

## Appendix C

# Recreational User Scenario

### *RESRAD 6.0 Output File Reports*

#### ➤ **Uranium DCGL**

- Deterministic Module Summary Report (Part I)
- Detailed Pathway Calculations Report (Part II)
- Intake Quantities & Health Risk Factors (Part III)
- Concentrations of Radionuclide Report (Part IV)
- Dose from Radionuclides at Point of Action (Part V)
- Probabilistic (Uncertainty) Analysis Report (Part V)

#### ➤ **Byproduct (Co-60) DCGL**

- Deterministic Module Summary Report (Part I)
- Detailed Pathway Calculations Report (Part II)
- Intake Quantities & Health Risk Factors (Part III)
- Concentrations of Radionuclide Report (Part IV)
- Dose from Radionuclides at Point of Action (Part V)
- Probabilistic (Uncertainty) Analysis Report (Part V)

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Dose Conversion Factor (and Related) Parameter Summary  
 File: Default.LIB

0 Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Ac-227+D	6.720E+00	6.720E+00	DCF2( 1)
B-1	Pa-231	1.280E+00	1.280E+00	DCF2( 2)
B-1	Pb-210+D	2.320E-02	2.320E-02	DCF2( 3)
B-1	Ra-226+D	8.600E-03	8.600E-03	DCF2( 4)
B-1	Th-230	3.260E-01	3.260E-01	DCF2( 5)
B-1	U-234	1.320E-01	1.320E-01	DCF2( 6)
B-1	U-235+D	1.230E-01	1.230E-01	DCF2( 7)
B-1	U-238+D	1.180E-01	1.180E-01	DCF2( 8)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Ac-227+D	1.480E-02	1.480E-02	DCF3( 1)
D-1	Pa-231	1.060E-02	1.060E-02	DCF3( 2)
D-1	Pb-210+D	7.270E-03	7.270E-03	DCF3( 3)
D-1	Ra-226+D	1.330E-03	1.330E-03	DCF3( 4)
D-1	Th-230	5.480E-04	5.480E-04	DCF3( 5)
D-1	U-234	2.830E-04	2.830E-04	DCF3( 6)
D-1	U-235+D	2.670E-04	2.670E-04	DCF3( 7)
D-1	U-238+D	2.690E-04	2.690E-04	DCF3( 8)
D-34	Food transfer factors:			
D-34	Ac-227+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF( 1,1)
D-34	Ac-227+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	2.000E-05	2.000E-05	RTF( 1,2)
D-34	Ac-227+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-05	2.000E-05	RTF( 1,3)
D-34	Pa-231 , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF( 2,1)
D-34	Pa-231 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF( 2,2)
D-34	Pa-231 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF( 2,3)
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF( 3,1)
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF( 3,2)
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF( 3,3)
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF( 4,1)
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF( 4,2)
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF( 4,3)
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF( 5,1)
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF( 5,2)
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF( 5,3)
D-34	U-234 , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF( 6,1)
D-34	U-234 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF( 6,2)
D-34	U-234 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF( 6,3)
D-34	U-235+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF( 7,1)
D-34	U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF( 7,2)
D-34	U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF( 7,3)
D-34	U-238+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF( 8,1)
D-34	U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF( 8,2)
D-34	U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF( 8,3)

Dose Conversion Factor (and Related) Parameter Summary (continued)  
 File: Default.LIB

0 Menu	Parameter	Current Value	Default	Parameter Name
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ac-227+D , fish	1.500E+01	1.500E+01	BIOFAC ( 1,1)
D-5	Ac-227+D , crustacea and mollusks	1.000E+03	1.000E+03	BIOFAC ( 1,2)
D-5	Pa-231 , fish	1.000E+01	1.000E+01	BIOFAC ( 2,1)
D-5	Pa-231 , crustacea and mollusks	1.100E+02	1.100E+02	BIOFAC ( 2,2)
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC ( 3,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC ( 3,2)
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC ( 4,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC ( 4,2)
D-5	Th-230 , fish	1.000E+02	1.000E+02	BIOFAC ( 5,1)
D-5	Th-230 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC ( 5,2)
D-5	U-234 , fish	1.000E+01	1.000E+01	BIOFAC ( 6,1)
D-5	U-234 , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC ( 6,2)
D-5	U-235+D , fish	1.000E+01	1.000E+01	BIOFAC ( 7,1)
D-5	U-235+D , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC ( 7,2)
D-5	U-238+D , fish	1.000E+01	1.000E+01	BIOFAC ( 8,1)
D-5	U-238+D , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC ( 8,2)

Site-Specific Parameter Summary						
0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R011	Area of contaminated zone (m**2)	2.023E+06	1.000E+04	---	AREA
	R011	Thickness of contaminated zone (m)	1.500E-01	2.000E+00	---	THICK0
	R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
	R011	Basic radiation dose limit (mrem/yr)	1.900E+01	2.500E+01	---	BRDL
	R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
	R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T( 2)
	R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T( 3)
	R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T( 4)
	R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T( 5)
	R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T( 6)
	R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T( 7)
	R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T( 8)
	R011	Times for calculations (yr)	not used	0.000E+00	---	T( 9)
	R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
	R012	Initial principal radionuclide (pCi/g): U-234	1.489E+04	0.000E+00	---	S1( 6)
	R012	Initial principal radionuclide (pCi/g): U-235	8.200E+02	0.000E+00	---	S1( 7)
	R012	Initial principal radionuclide (pCi/g): U-238	3.506E+03	0.000E+00	---	S1( 8)
	R012	Concentration in groundwater (pCi/L): U-234	not used	0.000E+00	---	W1( 6)
	R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00	---	W1( 7)
	R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00	---	W1( 8)
	R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
	R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
	R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
	R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
	R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
	R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
	R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
	R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
	R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
	R013	Average annual wind speed (m/sec)	3.160E+00	2.000E+00	---	WIND
	R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
	R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
	R013	Precipitation (m/yr)	1.120E+00	1.000E+00	---	PRECIP
	R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
	R013	Irrigation mode	overhead	overhead	---	IDITCH
	R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
	R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
	R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
	R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSAQ
	R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
	R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
	R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
	R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+02	1.000E+02	---	HCSZ
	R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
	R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
	R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
	R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
	R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02	---	UW
	R015	Number of unsaturated zone strata	2	1	---	NS
	R015	Unsat. zone 1, thickness (m)	2.000E+00	4.000E+00	---	H (1)
	R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+00	1.500E+00	---	DENSUZ (1)
	R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ (1)
	R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ (1)
	R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ (1)
	R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (1)
	R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ (1)
	R015	Unsat. zone 2, thickness (m)	4.000E+00	0.000E+00	---	H (2)
	R015	Unsat. zone 2, soil density (g/cm**3)	1.500E+00	1.500E+00	---	DENSUZ (2)
	R015	Unsat. zone 2, total porosity	4.000E-01	4.000E-01	---	TPUZ (2)
	R015	Unsat. zone 2, effective porosity	2.000E-01	2.000E-01	---	EPUZ (2)
	R015	Unsat. zone 2, field capacity	2.000E-01	2.000E-01	---	FCUZ (2)
	R015	Unsat. zone 2, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (2)
	R015	Unsat. zone 2, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ (2)
	R016	Distribution coefficients for U-234				
	R016	Contaminated zone (cm**3/g)	8.700E+03	5.000E+01	---	DCNUCC ( 6)
	R016	Unsaturated zone 1 (cm**3/g)	3.300E+03	5.000E+01	---	DCNUCU ( 6,1)
	R016	Unsaturated zone 2 (cm**3/g)	1.250E+02	5.000E+01	---	DCNUCU ( 6,2)
	R016	Saturated zone (cm**3/g)	1.250E+02	5.000E+01	---	DCNUCS ( 6)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.799E-04	ALEACH ( 6)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 6)
	R016	Distribution coefficients for U-235				
	R016	Contaminated zone (cm**3/g)	8.700E+03	5.000E+01	---	DCNUCC ( 7)
	R016	Unsaturated zone 1 (cm**3/g)	3.300E+03	5.000E+01	---	DCNUCU ( 7,1)
	R016	Unsaturated zone 2 (cm**3/g)	1.250E+02	5.000E+01	---	DCNUCU ( 7,2)
	R016	Saturated zone (cm**3/g)	1.250E+02	5.000E+01	---	DCNUCS ( 7)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.799E-04	ALEACH ( 7)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 7)
	R016	Distribution coefficients for U-238				
	R016	Contaminated zone (cm**3/g)	8.700E+03	5.000E+01	---	DCNUCC ( 8)
	R016	Unsaturated zone 1 (cm**3/g)	3.300E+03	5.000E+01	---	DCNUCU ( 8,1)
	R016	Unsaturated zone 2 (cm**3/g)	1.250E+02	5.000E+01	---	DCNUCU ( 8,2)
	R016	Saturated zone (cm**3/g)	1.250E+02	5.000E+01	---	DCNUCS ( 8)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.799E-04	ALEACH ( 8)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 8)
	R016	Distribution coefficients for daughter Ac-227				
	R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCC ( 1)
	R016	Unsaturated zone 1 (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCU ( 1,1)
	R016	Unsaturated zone 2 (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCU ( 1,2)
	R016	Saturated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCS ( 1)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.205E-01	ALEACH ( 1)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 1)

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R016	Distribution coefficients for daughter Pa-231				
	R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC ( 2)
	R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCU ( 2,1)
	R016	Unsaturated zone 2 (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCU ( 2,2)
	R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCS ( 2)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	4.850E-02	ALEACH ( 2)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 2)
	R016	Distribution coefficients for daughter Pb-210				
	R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC ( 3)
	R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU ( 3,1)
	R016	Unsaturated zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU ( 3,2)
	R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS ( 3)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.430E-02	ALEACH ( 3)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 3)
	R016	Distribution coefficients for daughter Ra-226				
	R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC ( 4)
	R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU ( 4,1)
	R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU ( 4,2)
	R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS ( 4)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.469E-02	ALEACH ( 4)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 4)
	R016	Distribution coefficients for daughter Th-230				
	R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC ( 5)
	R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU ( 5,1)
	R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU ( 5,2)
	R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS ( 5)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	4.059E-05	ALEACH ( 5)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 5)
	R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
	R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
	R017	Exposure duration	3.000E+01	3.000E+01	---	ED
	R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
	R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
	R017	Fraction of time spent indoors	0.000E+00	5.000E-01	---	FIND
	R017	Fraction of time spent outdoors (on site)	2.080E-02	2.500E-01	---	FOTD
	R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R017	Radii of shape factor array (used if FS = -1):				
	R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE ( 1)
	R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE ( 2)
	R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE ( 3)
	R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE ( 4)
	R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE ( 5)
	R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE ( 6)
	R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE ( 7)
	R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE ( 8)
	R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE ( 9)
	R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE (10)
	R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE (11)
	R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE (12)
	R017	Fractions of annular areas within AREA:				
	R017	Ring 1	not used	1.000E+00	---	FRACA ( 1)
	R017	Ring 2	not used	2.732E-01	---	FRACA ( 2)
	R017	Ring 3	not used	0.000E+00	---	FRACA ( 3)
	R017	Ring 4	not used	0.000E+00	---	FRACA ( 4)
	R017	Ring 5	not used	0.000E+00	---	FRACA ( 5)
	R017	Ring 6	not used	0.000E+00	---	FRACA ( 6)
	R017	Ring 7	not used	0.000E+00	---	FRACA ( 7)
	R017	Ring 8	not used	0.000E+00	---	FRACA ( 8)
	R017	Ring 9	not used	0.000E+00	---	FRACA ( 9)
	R017	Ring 10	not used	0.000E+00	---	FRACA (10)
	R017	Ring 11	not used	0.000E+00	---	FRACA (11)
	R017	Ring 12	not used	0.000E+00	---	FRACA (12)
	R018	Fruits, vegetables and grain consumption (kg/yr)	not used	1.600E+02	---	DIET (1)
	R018	Leafy vegetable consumption (kg/yr)	not used	1.400E+01	---	DIET (2)
	R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET (3)
	R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET (4)
	R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET (5)
	R018	Other seafood consumption (kg/yr)	0.000E+00	9.000E-01	---	DIET (6)
	R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
	R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI
	R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW
	R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
	R018	Contamination fraction of livestock water	not used	1.000E+00	---	FLW
	R018	Contamination fraction of irrigation water	not used	1.000E+00	---	FIRW
	R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
	R018	Contamination fraction of plant food	not used	-1	---	FPLANT
	R018	Contamination fraction of meat	not used	-1	---	FMEAT
	R018	Contamination fraction of milk	not used	-1	---	FMILK
	R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
	R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
	R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
	R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
	R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI



Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R019	Mass loading for foliar deposition (g/m**3)	not used	1.000E-04	---	MLFD
	R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
	R019	Depth of roots (m)	not used	9.000E-01	---	DROOT
	R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
	R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
	R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
	R019	Irrigation fraction from ground water	not used	1.000E+00	---	FGWIR
	R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	not used	7.000E-01	---	YV(1)
	R19B	Wet weight crop yield for Leafy (kg/m**2)	not used	1.500E+00	---	YV(2)
	R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
	R19B	Growing Season for Non-Leafy (years)	not used	1.700E-01	---	TE(1)
	R19B	Growing Season for Leafy (years)	not used	2.500E-01	---	TE(2)
	R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)
	R19B	Translocation Factor for Non-Leafy	not used	1.000E-01	---	TIV(1)
	R19B	Translocation Factor for Leafy	not used	1.000E+00	---	TIV(2)
	R19B	Translocation Factor for Fodder	not used	1.000E+00	---	TIV(3)
	R19B	Dry Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RDRY(1)
	R19B	Dry Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RDRY(2)
	R19B	Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY(3)
	R19B	Wet Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RWET(1)
	R19B	Wet Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RWET(2)
	R19B	Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET(3)
	R19B	Weathering Removal Constant for Vegetation	not used	2.000E+01	---	WLAM
	C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
	C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
	C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
	C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
	C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
	C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
	C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
	C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
	C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
	C14	DCF correction factor for gaseous forms of C14	not used	1.234E+02	---	CO2F
	STOR	Storage times of contaminated foodstuffs (days):				
	STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
	STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
	STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
	STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
	STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
	STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
	STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
	STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
	STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
	R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
	R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
	R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
	R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
	R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
	R021	Diffusion coefficient for radon gas (m/sec):				
	R021	in cover material	not used	2.000E-06	---	DIFCV
	R021	in foundation material	not used	3.000E-07	---	DIFFL
	R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
	R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
	R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
	R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
	R021	Building interior area factor	not used	0.000E+00	---	FAI
	R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
	R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA (1)
	R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA (2)
	TITL	Number of graphical time points	128	---	---	NPTS
	TITL	Maximum number of integration points for dose	17	---	---	LYMAX
	TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	suppressed
4 -- meat ingestion	suppressed
5 -- milk ingestion	suppressed
6 -- aquatic foods	active
7 -- drinking water	suppressed
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	active

Contaminated Zone Dimensions

-----  
 Area:2023400.00 square meters  
 Thickness: 0.15 meters  
 Cover Depth: 0.00 meters

Initial Soil Concentrations, pCi/g

-----  
 U-234 1.489E+04  
 U-235 8.200E+02  
 U-238 3.506E+03

0

Total Dose TDOSE(t), mrem/yr

Basic Radiation Dose Limit = 19 mrem/yr

Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

-----  
 t (years): 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03  
 TDOSE(t): 3.565E+01 3.552E+01 3.525E+01 3.432E+01 3.151E+01 1.858E+01 3.546E-02 2.942E+00  
 M(t): 1.876E+00 1.869E+00 1.855E+00 1.806E+00 1.658E+00 9.780E-01 1.867E-03 1.548E-01  
 0Maximum TDOSE(t): 3.565E+01 mrem/yr at t = 0.000E+00 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

0  
 0  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.233E-01	0.0035	8.078E+00	0.2266	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.188E+00	0.0894
U-235	1.237E+01	0.3469	4.146E-01	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.657E-01	0.0046
U-238	8.897E+00	0.2496	1.700E+00	0.0477	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.135E-01	0.0200
===== Total	2.139E+01	0.6000	1.019E+01	0.2860	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.067E+00	0.1141

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

0  
 0  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.139E+01	0.3195
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.295E+01	0.3632
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.131E+01	0.3173
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.565E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.233E-01	0.0035	8.022E+00	0.2259	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.166E+00	0.0891
U-235	1.235E+01	0.3478	4.118E-01	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.647E-01	0.0046
U-238	8.879E+00	0.2500	1.689E+00	0.0475	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.086E-01	0.0200
===== Total	2.135E+01	0.6013	1.012E+01	0.2850	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.039E+00	0.1137

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.131E+01	0.3185
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.293E+01	0.3640
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.128E+01	0.3175
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.552E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.232E-01	0.0035	7.910E+00	0.2244	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.121E+00	0.0885
U-235	1.232E+01	0.3495	4.063E-01	0.0115	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.626E-01	0.0046
U-238	8.843E+00	0.2509	1.665E+00	0.0472	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.986E-01	0.0198
===== Total	2.129E+01	0.6039	9.981E+00	0.2831	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.983E+00	0.1130

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.115E+01	0.3164
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.289E+01	0.3657
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.121E+01	0.3179
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.525E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0  
 0  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.232E-01	0.0036	7.518E+00	0.2191	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.967E+00	0.0865
U-235	1.221E+01	0.3558	3.869E-01	0.0113	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.554E-01	0.0045
U-238	8.711E+00	0.2538	1.582E+00	0.0461	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.640E-01	0.0193
===== Total	2.104E+01	0.6132	9.487E+00	0.2765	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.786E+00	0.1103

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0  
 0  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.061E+01	0.3091
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.275E+01	0.3716
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.096E+01	0.3193
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.432E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.243E-01	0.0039	6.407E+00	0.2034	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.528E+00	0.0802
U-235	1.180E+01	0.3746	3.309E-01	0.0105	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.335E-01	0.0042
U-238	8.267E+00	0.2624	1.348E+00	0.0428	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.656E-01	0.0180
Total	2.019E+01	0.6409	8.086E+00	0.2566	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.227E+00	0.1024

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.059E+00	0.2875
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.227E+01	0.3893
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.018E+01	0.3231
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.151E+01	1.0000

0\*Sum of all water independent and dependent pathways.



Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.144E-01	0.0062	2.606E+00	0.1402	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.028E+00	0.0553
U-235	8.370E+00	0.4505	1.347E-01	0.0073	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.452E-02	0.0029
U-238	5.496E+00	0.2958	5.477E-01	0.0295	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.298E-01	0.0124
===== Total	1.398E+01	0.7524	3.288E+00	0.1770	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.312E+00	0.0706

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.748E+00	0.2017
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.559E+00	0.4606
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.273E+00	0.3376
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.858E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	3.546E-02	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.546E-02	1.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	3.546E-02	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.546E-02	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0  
 0  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0  
 0  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	4.718E-01	0.1604	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.718E-01	0.1604
U-235	0.000E+00	0.0000	2.470E+00	0.8396	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.470E+00	0.8396
U-238	0.000E+00	0.0000	2.184E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.184E-05	0.0000
===== Total	0.000E+00	0.0000	2.942E+00	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.942E+00	1.0000

0\*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways  
 Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		7.649E-04	7.597E-04	7.491E-04	7.123E-04	6.078E-04	2.503E-04	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		8.000E-09	2.386E-08	5.492E-08	1.568E-07	3.898E-07	5.345E-07	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		1.290E-10	8.922E-10	4.591E-09	3.734E-08	2.410E-07	9.310E-07	0.000E+00	1.332E-06
U-234	Pb-210	1.000E+00		2.832E-14	4.144E-13	4.573E-12	9.928E-11	1.387E-09	6.757E-09	0.000E+00	3.035E-05
U-234	äDSR(j)			7.649E-04	7.597E-04	7.492E-04	7.125E-04	6.084E-04	2.518E-04	0.000E+00	3.168E-05
OU-235	U-235	1.000E+00		1.579E-02	1.577E-02	1.572E-02	1.555E-02	1.495E-02	1.043E-02	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.766E-07	5.160E-07	1.136E-06	2.787E-06	4.733E-06	2.881E-06	0.000E+00	4.828E-04
U-235	Ac-227	1.000E+00		8.304E-09	5.476E-08	2.534E-07	1.447E-06	4.143E-06	3.396E-06	4.325E-05	2.529E-03
U-235	äDSR(j)			1.579E-02	1.577E-02	1.572E-02	1.555E-02	1.496E-02	1.044E-02	4.325E-05	3.012E-03
OU-238	U-238	1.000E+00		3.226E-03	3.216E-03	3.196E-03	3.125E-03	2.904E-03	1.789E-03	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		1.083E-09	3.229E-09	7.432E-09	2.120E-08	5.256E-08	7.132E-08	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		7.556E-15	5.258E-14	2.742E-13	2.335E-12	1.683E-11	7.585E-11	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		9.156E-17	1.361E-15	1.554E-14	3.820E-13	7.512E-12	1.074E-10	0.000E+00	2.716E-10
U-238	Pb-210	1.000E+00		1.611E-20	4.888E-19	1.175E-17	7.751E-16	3.398E-14	6.671E-13	0.000E+00	5.957E-09
U-238	äDSR(j)			3.226E-03	3.216E-03	3.196E-03	3.125E-03	2.904E-03	1.789E-03	0.000E+00	6.229E-09

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g  
 Basic Radiation Dose Limit = 19 mrem/yr

ONuclide (i)	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234		2.484E+04	2.501E+04	2.536E+04	2.667E+04	3.123E+04	7.547E+04	*6.245E+09	5.997E+05
U-235		1.203E+03	1.205E+03	1.209E+03	1.222E+03	1.270E+03	1.820E+03	4.393E+05	6.308E+03
U-238		5.890E+03	5.908E+03	5.944E+03	6.080E+03	6.543E+03	1.062E+04	*3.360E+05	*3.360E+05

\*At specific activity limit

0

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)  
 and Single Radionuclide Soil Guidelines G(i,t) in pCi/g  
 at tmin = time of minimum single radionuclide soil guideline  
 and at tmax = time of maximum total dose = 0.000E+00 years

ONuclide (i)	Initial pCi/g	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
U-234	1.489E+04	0.000E+00	7.649E-04	2.484E+04	7.649E-04	2.484E+04
U-235	8.200E+02	0.000E+00	1.579E-02	1.203E+03	1.579E-02	1.203E+03
U-238	3.506E+03	0.000E+00	3.226E-03	5.890E+03	3.226E-03	5.890E+03

			Individual Nuclide Dose Summed Over All Pathways								
			Parent Nuclide and Branch Fraction Indicated								
ONuclide	Parent	BRF(i)	DOSE(j,t), mrem/yr								
(j)	(i)		t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.139E+01	1.131E+01	1.115E+01	1.061E+01	9.050E+00	3.726E+00	0.000E+00	0.000E+00
U-234	U-238	1.000E+00		3.797E-06	1.132E-05	2.606E-05	7.433E-05	1.843E-04	2.500E-04	0.000E+00	0.000E+00
U-234	äDOSE(j):			1.139E+01	1.131E+01	1.115E+01	1.061E+01	9.050E+00	3.727E+00	0.000E+00	0.000E+00
0Th-230	U-234	1.000E+00		1.191E-04	3.552E-04	8.177E-04	2.335E-03	5.804E-03	7.958E-03	0.000E+00	0.000E+00
Th-230	U-238	1.000E+00		2.649E-11	1.843E-10	9.615E-10	8.186E-09	5.902E-08	2.659E-07	0.000E+00	0.000E+00
Th-230	äDOSE(j):			1.191E-04	3.552E-04	8.177E-04	2.335E-03	5.804E-03	7.959E-03	0.000E+00	0.000E+00
0Ra-226	U-234	1.000E+00		1.920E-06	1.328E-05	6.836E-05	5.559E-04	3.589E-03	1.386E-02	0.000E+00	1.984E-02
Ra-226	U-238	1.000E+00		3.210E-13	4.770E-12	5.449E-11	1.339E-09	2.634E-08	3.764E-07	0.000E+00	9.521E-07
Ra-226	äDOSE(j):			1.920E-06	1.328E-05	6.836E-05	5.559E-04	3.589E-03	1.386E-02	0.000E+00	1.984E-02
0Pb-210	U-234	1.000E+00		4.217E-10	6.170E-09	6.809E-08	1.478E-06	2.065E-05	1.006E-04	0.000E+00	4.519E-01
Pb-210	U-238	1.000E+00		5.647E-17	1.714E-15	4.120E-14	2.718E-12	1.191E-10	2.339E-09	0.000E+00	2.089E-05
Pb-210	äDOSE(j):			4.217E-10	6.170E-09	6.809E-08	1.478E-06	2.065E-05	1.006E-04	0.000E+00	4.519E-01
0U-235	U-235	1.000E+00		1.295E+01	1.293E+01	1.289E+01	1.275E+01	1.226E+01	8.554E+00	0.000E+00	0.000E+00
0Pa-231	U-235	1.000E+00		1.448E-04	4.231E-04	9.316E-04	2.286E-03	3.881E-03	2.362E-03	0.000E+00	3.959E-01
0Ac-227	U-235	1.000E+00		6.810E-06	4.490E-05	2.078E-04	1.186E-03	3.397E-03	2.785E-03	3.546E-02	2.074E+00
0U-238	U-238	1.000E+00		1.131E+01	1.128E+01	1.121E+01	1.096E+01	1.018E+01	6.273E+00	0.000E+00	0.000E+00

BRF(i) is the branch fraction of the parent nuclide.

Individual Nuclide Soil Concentration  
 Parent Nuclide and Branch Fraction Indicated

ONuclide (j)	Parent (i)	BRF(i)	S(j,t), pCi/g							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.489E+04	1.488E+04	1.488E+04	1.485E+04	1.476E+04	1.447E+04	1.368E+04	1.122E+04
U-234	U-238	1.000E+00	0.000E+00	9.937E-03	2.979E-02	9.911E-02	2.957E-01	9.664E-01	2.740E+00	7.502E+00
U-234	äS(j):		1.489E+04	1.488E+04	1.488E+04	1.485E+04	1.476E+04	1.447E+04	1.368E+04	1.123E+04
0Th-230	U-234	1.000E+00	0.000E+00	1.340E-01	4.019E-01	1.338E+00	4.001E+00	1.318E+01	3.826E+01	1.138E+02
Th-230	U-238	1.000E+00	0.000E+00	4.473E-08	4.024E-07	4.465E-06	4.002E-05	4.383E-04	3.788E-03	3.653E-02
Th-230	äS(j):		0.000E+00	1.340E-01	4.019E-01	1.338E+00	4.001E+00	1.318E+01	3.826E+01	1.138E+02
0Ra-226	U-234	1.000E+00	0.000E+00	2.869E-05	2.523E-04	2.588E-03	1.887E-02	1.181E-01	4.290E-01	1.369E+00
Ra-226	U-238	1.000E+00	0.000E+00	6.403E-12	1.698E-10	5.921E-09	1.360E-07	3.188E-06	3.888E-05	4.280E-04
Ra-226	äS(j):		0.000E+00	2.869E-05	2.523E-04	2.588E-03	1.887E-02	1.181E-01	4.290E-01	1.370E+00
0Pb-210	U-234	1.000E+00	0.000E+00	2.941E-07	7.590E-06	2.410E-04	4.316E-03	5.106E-02	2.253E-01	7.564E-01
Pb-210	U-238	1.000E+00	0.000E+00	4.930E-14	3.851E-12	4.202E-10	2.445E-08	1.180E-06	1.920E-05	2.323E-04
Pb-210	äS(j):		0.000E+00	2.941E-07	7.590E-06	2.410E-04	4.316E-03	5.106E-02	2.254E-01	7.567E-01
0U-235	U-235	1.000E+00	8.200E+02	8.198E+02	8.193E+02	8.177E+02	8.131E+02	7.974E+02	7.539E+02	6.198E+02
0Pa-231	U-235	1.000E+00	0.000E+00	1.693E-02	4.842E-02	1.373E-01	2.727E-01	3.469E-01	3.307E-01	2.718E-01
0Ac-227	U-235	1.000E+00	0.000E+00	2.584E-04	2.042E-03	1.483E-02	4.931E-02	7.236E-02	6.924E-02	5.692E-02
0U-238	U-238	1.000E+00	3.506E+03	3.505E+03	3.503E+03	3.496E+03	3.477E+03	3.409E+03	3.224E+03	2.650E+03

BRF(i) is the branch fraction of the parent nuclide.  
 ORESMAIN5.EXE execution time = 351.41 seconds

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Iteration Log for Computation of the Time of Maximum U-234 Dose/Source Ratio  
 Pathway: Ground

0 Tolerance for tmax = 1.0E-03 (fractional accuracy)

0 Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	5.57060E+01	8.43231E-06		
1	5.42677E+01	8.43273E-06	-1.43824E+00	parabolic
2	5.43220E+01	8.43273E-06	6.05045E-03	parabolic
3	5.42047E+01	8.43273E-06	-6.29867E-02	parabolic
4	5.42677E+01	8.43273E-06	0.00000E+00	direct

Notes:

- 1) Step size always from t with current largest DSR(t) .
- 2) Parabolic step based on parabola maximum through the current best triplet.
- 3) Golden section step,  $0.5 * (3 - \sqrt{5})$  of larger interval bracketing maximum, taken only if trial parabolic step fails.
- 4) Direct step to a previous t only on last iteration and only if prior iteration met convergence test but DSR(t) was smaller than the previous value.

Source Factors for Ingrowth and Decay  
 Radioactivity Factors Only  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.997E-01	9.991E-01	9.972E-01
U-234	Th-230	1.000E+00		0.000E+00	9.002E-06	2.701E-05	9.001E-05	2.700E-04	8.997E-04	2.696E-03	8.949E-03
U-234	Ra-226	1.000E+00		0.000E+00	1.950E-09	1.754E-08	1.947E-07	1.747E-06	1.921E-05	1.679E-04	1.689E-03
U-234	Pb-210	1.000E+00		0.000E+00	2.004E-11	5.328E-10	1.870E-08	4.373E-07	1.068E-05	1.363E-04	1.591E-03
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	2.116E-05	6.347E-05	2.116E-04	6.345E-04	2.114E-03	6.327E-03	2.094E-02
U-235	Ac-227	1.000E+00		0.000E+00	3.332E-07	2.937E-06	3.037E-05	2.258E-04	1.477E-03	5.667E-03	2.028E-02
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		0.000E+00	2.835E-06	8.505E-06	2.835E-05	8.505E-05	2.835E-04	8.501E-04	2.831E-03
U-238	Th-230	1.000E+00		0.000E+00	1.276E-11	1.148E-10	1.276E-09	1.148E-08	1.275E-07	1.147E-06	1.271E-05
U-238	Ra-226	1.000E+00		0.000E+00	1.842E-15	4.973E-14	1.841E-12	4.959E-11	1.822E-09	4.813E-08	1.654E-06
U-238	Pb-210	1.000E+00		0.000E+00	1.423E-17	1.138E-15	1.346E-13	9.704E-12	8.486E-10	3.570E-08	1.509E-06

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).

0

Source Factors for Ingrowth and Decay  
 Combined Radioactivity and Leaching Factors  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	9.997E-01	9.992E-01	9.972E-01	9.916E-01	9.721E-01	9.187E-01	7.537E-01
U-234	Th-230	1.000E+00		0.000E+00	9.000E-06	2.699E-05	8.987E-05	2.687E-04	8.854E-04	2.570E-03	7.641E-03
U-234	Ra-226	1.000E+00		0.000E+00	1.927E-09	1.694E-08	1.738E-07	1.267E-06	7.929E-06	2.881E-05	9.198E-05
U-234	Pb-210	1.000E+00		0.000E+00	1.975E-11	5.098E-10	1.619E-08	2.899E-07	3.429E-06	1.514E-05	5.081E-05
OU-235	U-235	1.000E+00		1.000E+00	9.997E-01	9.992E-01	9.972E-01	9.916E-01	9.724E-01	9.194E-01	7.558E-01
U-235	Pa-231	1.000E+00		0.000E+00	2.065E-05	5.905E-05	1.674E-04	3.326E-04	4.230E-04	4.032E-04	3.315E-04
U-235	Ac-227	1.000E+00		0.000E+00	3.151E-07	2.490E-06	1.808E-05	6.013E-05	8.825E-05	8.444E-05	6.941E-05
OU-238	U-238	1.000E+00		1.000E+00	9.997E-01	9.992E-01	9.972E-01	9.916E-01	9.724E-01	9.194E-01	7.558E-01
U-238	U-234	1.000E+00		0.000E+00	2.834E-06	8.498E-06	2.827E-05	8.433E-05	2.756E-04	7.816E-04	2.140E-03
U-238	Th-230	1.000E+00		0.000E+00	1.276E-11	1.148E-10	1.273E-09	1.141E-08	1.250E-07	1.080E-06	1.042E-05
U-238	Ra-226	1.000E+00		0.000E+00	1.826E-15	4.845E-14	1.689E-12	3.880E-11	9.094E-10	1.109E-08	1.221E-07
U-238	Pb-210	1.000E+00		0.000E+00	1.406E-17	1.099E-15	1.198E-13	6.973E-12	3.365E-10	5.476E-09	6.625E-08

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).

The effect of volatilization was also considered when computing the source factors for H-3 and C-14.



Time Dependence of Contaminated Zone Thicknesses [T(i,t)]

Nuclide (i)	t=	T(i,t) (meters)						
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
Ac-227	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
Pa-231	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
Pb-210	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
Ra-226	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
Th-230	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
U-234	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
U-235	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
U-238	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00



Dose Conversion and Environmental Transport Factors for the Ground Pathway (p=1)

Parent (i)	Product (j)	DCF(j,1)*	ETF(j,1,t) (dimensionless)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	4.020E-04	2.061E-02	2.060E-02	2.059E-02	2.054E-02	2.034E-02	1.729E-02	0.000E+00	0.000E+00
U-234	Th-230	1.210E-03	2.053E-02	2.053E-02	2.051E-02	2.045E-02	2.018E-02	1.638E-02	0.000E+00	0.000E+00
U-234	Ra-226	1.120E+01	1.781E-02	1.777E-02	1.770E-02	1.742E-02	1.646E-02	1.045E-02	0.000E+00	0.000E+00
U-234	Pb-210	6.120E-03	2.050E-02	2.049E-02	2.047E-02	2.040E-02	2.013E-02	1.660E-02	0.000E+00	0.000E+00
0U-235	U-235	7.570E-01	1.993E-02	1.992E-02	1.988E-02	1.973E-02	1.919E-02	1.394E-02	0.000E+00	0.000E+00
U-235	Pa-231	1.910E-01	1.938E-02	1.935E-02	1.930E-02	1.911E-02	1.840E-02	1.270E-02	0.000E+00	0.000E+00
U-235	Ac-227	2.010E+00	1.942E-02	1.940E-02	1.935E-02	1.915E-02	1.846E-02	1.282E-02	0.000E+00	0.000E+00
0U-238	U-238	1.370E-01	1.854E-02	1.851E-02	1.844E-02	1.821E-02	1.738E-02	1.183E-02	0.000E+00	0.000E+00
U-238	U-234	4.020E-04	2.061E-02	2.060E-02	2.059E-02	2.054E-02	2.034E-02	1.729E-02	0.000E+00	0.000E+00
U-238	Th-230	1.210E-03	2.053E-02	2.053E-02	2.051E-02	2.045E-02	2.018E-02	1.638E-02	0.000E+00	0.000E+00
U-238	Ra-226	1.120E+01	1.781E-02	1.777E-02	1.770E-02	1.742E-02	1.646E-02	1.045E-02	0.000E+00	0.000E+00
U-238	Pb-210	6.120E-03	2.050E-02	2.049E-02	2.047E-02	2.040E-02	2.013E-02	1.660E-02	0.000E+00	0.000E+00

\* - The dose conversion factor units are (mrem/yr)/(pCi/g) at infinite depth and area.

0

Dose/Source Ratios for External Radiation from the Ground (p=1)  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,1,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	8.282E-06	8.278E-06	8.268E-06	8.233E-06	8.105E-06	6.736E-06	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	1.118E-10	3.352E-10	7.813E-10	2.334E-09	6.667E-09	1.757E-08	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	1.283E-10	8.876E-10	4.568E-09	3.715E-08	2.400E-07	9.282E-07	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	6.220E-16	9.148E-15	1.022E-13	2.319E-12	3.715E-11	3.501E-10	0.000E+00	0.000E+00
U-234	äDSR(j)		8.283E-06	8.279E-06	8.274E-06	8.272E-06	8.351E-06	7.682E-06	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	1.508E-02	1.506E-02	1.503E-02	1.489E-02	1.439E-02	1.020E-02	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	3.849E-08	1.129E-07	2.506E-07	6.337E-07	1.176E-06	1.020E-06	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	4.165E-09	2.753E-08	1.281E-07	7.452E-07	2.255E-06	2.261E-06	0.000E+00	0.000E+00
U-235	äDSR(j)		1.508E-02	1.506E-02	1.503E-02	1.489E-02	1.439E-02	1.021E-02	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	2.538E-03	2.532E-03	2.522E-03	2.484E-03	2.358E-03	1.568E-03	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	1.174E-11	3.520E-11	8.204E-11	2.451E-10	7.008E-10	1.919E-09	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	1.056E-16	7.390E-16	3.902E-15	3.475E-14	2.879E-13	2.494E-12	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	9.109E-17	1.354E-15	1.546E-14	3.801E-13	7.478E-12	1.071E-10	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	3.537E-22	1.079E-20	2.625E-19	1.810E-17	9.105E-16	3.457E-14	0.000E+00	0.000E+00
U-238	äDSR(j)		2.538E-03	2.532E-03	2.522E-03	2.484E-03	2.358E-03	1.568E-03	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life > 0.5 yr) daughters.

Dose/Source Ratios for Inhalation Pathway, Excluding Radon (p=2)  
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		5.426E-04	5.388E-04	5.312E-04	5.048E-04	4.300E-04	1.746E-04	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		6.024E-09	1.796E-08	4.134E-08	1.180E-07	2.926E-07	3.948E-07	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		2.274E-14	1.567E-13	7.990E-13	6.290E-12	3.683E-11	9.343E-11	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		4.721E-16	6.907E-15	7.619E-14	1.652E-12	2.300E-11	1.092E-10	0.000E+00	0.000E+00
U-234	äDSR(j)			5.426E-04	5.388E-04	5.313E-04	5.049E-04	4.303E-04	1.750E-04	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		5.056E-04	5.020E-04	4.950E-04	4.704E-04	4.007E-04	1.628E-04	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		5.471E-08	1.597E-07	3.508E-07	8.531E-07	1.409E-06	7.371E-07	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		2.945E-09	1.938E-08	8.919E-08	4.993E-07	1.343E-06	8.073E-07	0.000E+00	0.000E+00
U-235	äDSR(j)			5.056E-04	5.022E-04	4.954E-04	4.718E-04	4.035E-04	1.643E-04	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		4.850E-04	4.816E-04	4.749E-04	4.513E-04	3.844E-04	1.562E-04	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		7.682E-10	2.290E-09	5.270E-09	1.503E-08	3.718E-08	4.976E-08	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		5.690E-15	3.959E-14	2.065E-13	1.757E-12	1.264E-11	5.602E-11	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		1.614E-20	2.389E-19	2.705E-18	6.435E-17	1.148E-15	1.078E-14	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		2.684E-22	8.145E-21	1.958E-19	1.290E-17	5.636E-16	1.078E-14	0.000E+00	0.000E+00
U-238	äDSR(j)			4.850E-04	4.816E-04	4.749E-04	4.513E-04	3.845E-04	1.562E-04	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A):	2.0234E+06 m**2	Occupancy Factor (FO2):	2.0800E-02
Area Factor (FA2):	2.3607E-01	Annual Air Intake (F12):	8.4000E+03 m**3/yr
Cover Depth [Cd(0)]:	0.0000E+00 m	Mass Loading (ASR2):	1.0000E-04 g/m**3
Contaminated Zone Thickness [T(0)]:	1.5000E-01 m	FA2 * FO2 * F12 * ASR2:	4.1246E-03 g/yr

Nuclide (i)	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
U-235 +D	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
U-238 +D	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00

Dose Conversion and Environmental Transport Factors for the Inhalation Pathway, Excluding Radon (p=2)

Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) (g/yr)											
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03				
U-234	U-234	1.320E-01	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	3.260E-01	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	8.600E-03	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	2.320E-02	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	U-235	1.230E-01	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.280E+00	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	6.720E+00	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-238	1.180E-01	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.320E-01	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	3.260E-01	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	8.600E-03	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	2.320E-02	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.







Outdoor Working Levels of Radon [WLOTD(i,t)]

ONuclide (i)	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234		0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
U-238		0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Indoor Working Levels of Radon [WLIND(i,t)]

ONuclide (i)	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234		0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
U-238		0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0  
 0 Fraction of Time Spent Outdoors (FOTD): 2.080E-02  
 Fraction of Time Spent Indoors (FIND): 0.000E+00

Dose/Source Ratios for Radon Pathway (p=9)  
 Subpathway: Outdoor and Indoor Radon Flux  
 Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Radon Pathway (p=9)  
 Subpathway: Indoor Radon from Water Usage  
 Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Transport Time Parameters for Unsaturated Zone Stratum No. 1

Stratum thickness [h(1)]: 2.000000 m  
 Bulk soil material density [rhob(1)]: 1.500000 g/cm\*\*3  
 Effective porosity [peuz(1)]: 0.200000  
 Hydraulic conductivity [Khuz(1)]: 10.000000 m/yr  
 Total porosity [ptuz(1)]: 0.400000  
 Soil specific b parameter [buz(1)]: 5.300000  
 Saturation ratio [sruz(1)]: 0.807725

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Ac-227	2.0000E+01	9.3853E+01	5.5334E+01
Pa-231	5.0000E+01	2.3313E+02	1.3745E+02
Pb-210	1.0000E+02	4.6527E+02	2.7431E+02
Ra-226	7.0000E+01	3.2599E+02	1.9220E+02
Th-230	6.0000E+04	2.7856E+05	1.6423E+05
U-234	3.3000E+03	1.5322E+04	9.0334E+03
U-235	3.3000E+03	1.5322E+04	9.0334E+03
U-238	3.3000E+03	1.5322E+04	9.0334E+03

0

Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]: 4.000000 m  
 Bulk soil material density [rhob(2)]: 1.500000 g/cm\*\*3  
 Effective porosity [peuz(2)]: 0.200000  
 Hydraulic conductivity [Khuz(2)]: 10.000000 m/yr  
 Total porosity [ptuz(2)]: 0.400000  
 Soil specific b parameter [buz(2)]: 5.300000  
 Saturation ratio [sruz(2)]: 0.807725

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Ac-227	2.0000E+01	9.3853E+01	1.1067E+02
Pa-231	5.0000E+01	2.3313E+02	2.7490E+02
Pb-210	1.0000E+02	4.6527E+02	5.4862E+02
Ra-226	7.0000E+01	3.2599E+02	3.8439E+02
Th-230	6.0000E+04	2.7856E+05	3.2847E+05
U-234	1.2500E+02	5.8133E+02	6.8549E+02
U-235	1.2500E+02	5.8133E+02	6.8549E+02
U-238	1.2500E+02	5.8133E+02	6.8549E+02

Transport Time Parameters for Unsaturated Zone created by the Falling Water Table

Water table drop rate [vwt]: 0.001000 m/yr  
 Bulk soil material density [rhobaq]: 1.500000 g/cm\*\*3  
 Effective porosity [peaq]: 0.200000  
 Hydraulic conductivity [Khaq]: 100.000000 m/yr  
 Total porosity [ptaq]: 0.400000  
 Soil specific b parameter [baq]: 5.300000  
 Saturation ratio [sruaq]: 0.681921

Radio-nuclide	Distribution Coefficient	Retardation Factor	Minimum Transport Time
(i)	Kdaq(i), cm**3/g	Rduaq(i)	Dtuaq(i), yr
Ac-227	2.0000E+01	1.1098E+02	4.7154E+00
Pa-231	5.0000E+01	2.7596E+02	3.0409E+01
Pb-210	1.0000E+02	5.5092E+02	1.3076E+02
Ra-226	7.0000E+01	3.8594E+02	6.1267E+01
Th-230	6.0000E+04	3.2995E+05	Infinite
U-234	1.2500E+02	6.8840E+02	2.0094E+03
U-235	1.2500E+02	6.8840E+02	2.0094E+03
U-238	1.2500E+02	6.8840E+02	2.0094E+03







Storage Times For Contaminated Foodstuffs

k	Food Item	STOR_T(k), days
1	non-leafy plants	14.
2	leafy plants	1.
3	milk	1.
4	meat	20.
5	fish	7.
6	crustacea	7.
7	well water	1.
8	surface water	1.
9	livestock fodder	45.

0

Storage Time Ingrowth and Decay Factors  
 Storage Time for k'th Foodstuff: t = STOR\_T(k), days

Parent (i)	Product (j)	Branch Fraction	STOR_ID(i, j, t) = CONCE(i, j, t) / CONCE(i, i, 0)									
			t=	1.400E+01	1.000E+00	1.000E+00	2.000E+01	7.000E+00	7.000E+00	1.000E+00	1.000E+00	4.500E+01
Ac-227	Ac-227	1.000E+00	9.988E-01	9.999E-01	9.999E-01	9.983E-01	9.994E-01	9.994E-01	9.999E-01	9.999E-01	9.999E-01	9.961E-01
Pa-231	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Pa-231	Ac-227	1.000E+00	1.219E-03	8.716E-05	8.716E-05	1.742E-03	6.099E-04	6.099E-04	8.716E-05	8.716E-05	8.716E-05	3.915E-03
Pb-210	Pb-210	1.000E+00	9.988E-01	9.999E-01	9.999E-01	9.983E-01	9.994E-01	9.994E-01	9.999E-01	9.999E-01	9.999E-01	9.962E-01
Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
Ra-226	Pb-210	1.000E+00	1.191E-03	8.510E-05	8.510E-05	1.701E-03	5.955E-04	5.955E-04	8.510E-05	8.510E-05	8.510E-05	3.822E-03
Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.661E-05	1.186E-06	1.186E-06	2.372E-05	8.303E-06	8.303E-06	1.186E-06	1.186E-06	1.186E-06	5.337E-05
Th-230	Pb-210	1.000E+00	9.888E-09	5.047E-11	5.047E-11	2.018E-08	2.472E-09	2.472E-09	5.047E-11	5.047E-11	5.047E-11	1.021E-07
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	3.450E-07	2.465E-08	2.465E-08	4.929E-07	1.725E-07	1.725E-07	2.465E-08	2.465E-08	2.465E-08	1.109E-06
U-234	Ra-226	1.000E+00	2.865E-12	1.462E-14	1.462E-14	5.846E-12	7.162E-13	7.162E-13	1.462E-14	1.462E-14	1.462E-14	2.960E-11
U-234	Pb-210	1.000E+00	1.137E-15	4.146E-19	4.146E-19	3.315E-15	1.422E-16	1.422E-16	4.146E-19	4.146E-19	4.146E-19	3.774E-14
U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	8.110E-07	5.793E-08	5.793E-08	1.159E-06	4.055E-07	4.055E-07	5.793E-08	5.793E-08	5.793E-08	2.607E-06
U-235	Ac-227	1.000E+00	4.946E-10	2.524E-12	2.524E-12	1.009E-09	1.237E-10	1.237E-10	2.524E-12	2.524E-12	2.524E-12	5.105E-09
U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.087E-07	7.762E-09	7.762E-09	1.552E-07	5.433E-08	5.433E-08	7.762E-09	7.762E-09	7.762E-09	3.493E-07
U-238	Th-230	1.000E+00	1.875E-14	9.565E-17	9.565E-17	3.826E-14	4.687E-15	4.687E-15	9.565E-17	9.565E-17	9.565E-17	1.937E-13
U-238	Ra-226	1.000E+00	1.038E-19	3.782E-23	3.782E-23	3.025E-19	1.297E-20	1.297E-20	3.782E-23	3.782E-23	3.782E-23	3.446E-18
U-238	Pb-210	1.000E+00	3.090E-23	8.045E-28	8.045E-28	1.287E-22	1.931E-24	1.931E-24	8.045E-28	8.045E-28	8.045E-28	3.296E-21

CONCE(i, j, t) / CONCE(i, i, 0) is the concentration ratio of Product(j) at time t to Parent(i) at start of storage time.



Storage Time Correction Factors  
 Drinking Water from Well and/or Surface  
 Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	CFWW(j,t,1)#							
		t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
OU-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
OU-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Nonleafy Plants from Well and/or Surface  
 Harvest Time = t - 4.11E-02 yr; Consumption Time = t - 3.83E-02 yr

OParent (i)	Product (j)	Branch Fraction*	CFWW(j,t,2)#							
		t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
OU-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
OU-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Leafy Plants from Well and/or Surface  
 Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Livestock (Milk) Fodder from Well and/or Surface  
 Harvest Time = t - 1.29E-01 yr; Consumption Time = t - 1.26E-01 yr

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Livestock (Meat) Fodder from Well and/or Surface  
 Harvest Time = t - 1.81E-01 yr; Consumption Time = t - 1.78E-01 yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Livestock (Milk) Water from Well and/or Surface  
 Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Livestock (Meat) Water from Well and/or Surface  
 Harvest Time = t - 5.75E-02 yr; Consumption Time = t - 5.48E-02 yr

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Nonleafy Plants  
 Harvest Time = t - 3.83E-02 yr; Consumption Time = t yr

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.001E+00
0U-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.988E-01	9.993E-01
0U-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.001E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Leafy Plants  
 Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	CF3(j,2,t)#	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Livestock (Meat) Fodder  
 Harvest Time = t - 1.78E-01 yr; Consumption Time = t - 5.48E-02 yr

OParent (i)	Product (j)	Branch Fraction*	CFLF(j,1,t)#	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.366E+00	1.107E+00	1.031E+00	1.010E+00	1.003E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.009E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
U-234	Pb-210	1.000E+00		1.000E+00	2.809E+00	1.534E+00	1.163E+00	1.063E+00	1.031E+00	1.000E+00	1.002E+00
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.039E+00	1.012E+00	1.004E+00	1.002E+00	1.002E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	2.244E+00	1.386E+00	1.141E+00	1.082E+00	1.070E+00	9.961E-01	9.977E-01
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.150E+00	1.044E+00	1.013E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.787E+00	1.218E+00	1.062E+00	1.020E+00	1.006E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.016E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
U-238	Pb-210	1.000E+00		1.000E+00	3.417E+00	1.711E+00	1.215E+00	1.081E+00	1.037E+00	1.000E+00	1.002E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Livestock (Milk) Fodder  
 Harvest Time = t - 1.26E-01 yr; Consumption Time = t - 2.74E-03 yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.344E+00	1.105E+00	1.030E+00	1.010E+00	1.003E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.009E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
U-234	Pb-210	1.000E+00	1.000E+00	2.702E+00	1.525E+00	1.162E+00	1.063E+00	1.031E+00	1.000E+00	1.000E+00	1.002E+00
OU-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.036E+00	1.012E+00	1.004E+00	1.002E+00	1.002E+00	1.002E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	2.171E+00	1.379E+00	1.141E+00	1.082E+00	1.070E+00	9.961E-01	9.977E-01	9.977E-01
OU-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.141E+00	1.043E+00	1.012E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.737E+00	1.214E+00	1.061E+00	1.020E+00	1.006E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.015E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
U-238	Pb-210	1.000E+00	1.000E+00	3.274E+00	1.698E+00	1.214E+00	1.081E+00	1.037E+00	1.000E+00	1.000E+00	1.002E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Meat  
 Harvest Time = t - 5.48E-02 yr; Consumption Time = t yr

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.203E+00	1.065E+00	1.019E+00	1.006E+00	1.002E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.008E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.261E+00	1.099E+00	1.033E+00	1.013E+00	1.006E+00	1.000E+00	1.000E+00	1.001E+00
OU-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	3.413E+01	1.294E+01	5.660E+00	3.784E+00	3.413E+00	9.983E-01	1.173E+00	1.173E+00
OU-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.058E+00	1.019E+00	1.006E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.415E+00	1.131E+00	1.039E+00	1.013E+00	1.004E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.014E+00	1.003E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.325E+00	1.128E+00	1.043E+00	1.016E+00	1.007E+00	1.000E+00	1.000E+00	1.002E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).



Storage Time Correction Factors for Milk  
 Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

Parent (i)	Product (j)	Branch Fraction*	CF45(j,2,t) #	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.337E+00	1.112E+00	1.034E+00	1.011E+00	1.003E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.033E+00	1.013E+00	1.004E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.302E+00	1.104E+00	1.037E+00	1.018E+00	1.014E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.003E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.673E+00	1.225E+00	1.067E+00	1.022E+00	1.007E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.041E+00	1.016E+00	1.006E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Fish & Crustacea  
 Harvest Time = t - 1.92E-02 yr; Consumption Time = t yr

Parent (i)	Product (j)	Branch Fraction*	CFF(j,1,t) #	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.995E-01
OU-235	U-235	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.994E-01	9.996E-01
OU-238	U-238	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Area and Depth Factors for Plant (p=3), Meat (p=4), and Milk (p=5) Pathways  
 Root Uptake from Contaminated Soil (q=1)

Area Factor for Plant Foods [FA(3)] = 0.50

Nuclide (i)	t=	Depth Factor FD(i,1,t) (dimensionless)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ac-227	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
Pa-231	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
Pb-210	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
U-234	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
U-235	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00
U-238	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00	0.0000E+00

0

Area and Depth Factors for Plant (p=3), Meat (p=4), and Milk (p=5) Pathways  
 Foliar Uptake from Contaminated Dust (q=2)

Area Factor for Plant Foods [FA(3)] = 0.50

Nuclide (i)	t=	Depth Factor FD(i,2,t) (dimensionless)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ac-227	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
Pa-231	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
Pb-210	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
U-234	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
U-235	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00
U-238	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00

Area and Depth Factors for Plant (p=3), Meat (p=4), and Milk (p=5) Pathways  
 Ditch Irrigation (q=3)

Area Factor for Plant Foods [FA(3)] = 0.50

Nuclide (i)	Depth Factor FD(i,3,t) (dimensionless)								
	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ac-227	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Pa-231	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Pb-210	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Ra-226	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Th-230	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
U-234	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
U-235	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
U-238	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00

0

Area and Depth Factors for Plant (p=3), Meat (p=4), and Milk (p=5) Pathways  
 Overhead Irrigation (q=4)

Area Factor for Plant Foods [FA(3)] = 0.50

The Depth Factor Value  
 FD(i,p,q,t) = 1.0000E+00

is applicable for all radionuclides(i) and times(t).

0

Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways  
 Transfer from Livestock Water (q=5) and Soil (q=6) Intake

Area Factor for Meat and Milk [FA(p),p=4,5] = 1.00

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)  
 occur only for the meat (p=4) and milk (p=5) pathways.

Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways  
 Transfer from Livestock Water (q=5) and Soil (q=6) Intake

Area Factor for Meat and Milk [FA(p),p=4,5] = 1.00

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)  
 occur only for the meat (p=4) and milk (p=5) pathways.

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 Detailed: CE Windsor, Recreational Visitor Scenario, Uranium  
 File : RECREATU.RAD

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)  
 Subpathway: Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)  
 Subpathway: Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)  
 Subpathway: Ditch Irrigation (q=3)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)  
 Subpathway: Overhead Irrigation (q=4)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)  
 Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,1,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)  
 Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)  
 Subpathway: Ditch Irrigation (q=3)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)  
 Subpathway: Overhead Irrigation (q=4)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)  
 Subpathway: Livestock Water (q=5)  
 ETF(j,4,5,t) \* SF(j,t) (g/yr)

Parent (i)	Product (j)	DCF(j,4) *	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.



Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) (g/yr)										
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03			
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) (g/yr)										
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03			
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Ditch Irrigation (q=3)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Overhead Irrigation (q=4)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Livestock Water (q=5)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,5,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Fish Pathway (p=6)

Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.001E-03
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.172E-03
OU-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.554E-02
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.891E-03	1.709E-01
OU-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.046E-07
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.114E-07

\* - The dose conversion factor units are mrem/pCi.

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Dose Conversion and Environmental Transport Factors for the Drinking Water Pathway (p=7)

Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

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Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

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Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,3,t) (mrem/yr)/(pCi/g)								
				0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life > 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

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Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.



Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)  
 Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)  
 Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)  
 Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)  
 Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)  
 Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)  
 Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)  
 Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from the Ingestion of Fish (p=6)  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,6,t) (mrem/yr) / (pCi/g)								
U-234	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.332E-06
U-234	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.035E-05
U-234	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.168E-05
0U-235	U-235	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.828E-04
U-235	Ac-227	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.325E-05	2.529E-03
U-235	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.325E-05	3.012E-03
0U-238	U-238	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.716E-10
U-238	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.957E-09
U-238	äDSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.229E-09

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,7,t) (mrem/yr)/(pCi/g)									
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Plant/Air and Plant/Water Concentration Ratios

0 Mass loading [ASR(3)]: 1.000E-04 g/m\*\*3

Area Factor for Mass Loading [FA(2)]: 2.361E-01

ONuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
Ac-227	5.4545E-02	2.6156E-01	2.8045E-07	4.1045E-07	3.4522E-04	1.6554E-03
Pa-231	5.4545E-02	2.6156E-01	1.1287E-06	1.6566E-06	3.4522E-04	1.6554E-03
Pb-210	5.4545E-02	2.6156E-01	1.1310E-06	1.6616E-06	3.4522E-04	1.6554E-03
Ra-226	5.4545E-02	2.6156E-01	4.5200E-06	6.6378E-06	3.4522E-04	1.6554E-03
Th-230	5.4545E-02	2.6156E-01	1.1355E-07	1.6642E-07	3.4522E-04	1.6554E-03
U-234	5.4545E-02	2.6156E-01	2.8318E-07	4.1661E-07	3.4522E-04	1.6554E-03
U-235	5.4545E-02	2.6156E-01	2.8318E-07	4.1661E-07	3.4522E-04	1.6554E-03
U-238	5.4545E-02	2.6156E-01	2.8318E-07	4.1661E-07	3.4522E-04	1.6554E-03

FAR(i,p,q,k) is the plant/air concentration ratio for airborne contaminated dust, and FWR(i,p,q,k) is the plant/water concentration ratio. See groundwater displays for water/soil concentration ratios.

Plant/Soil Concentration Ratios, FSR(i,3,q,k,t)

0 Root Uptake (q=1) and Foliar Dust Deposition (q=2)

0 Nonleafy (k=1) and/or Leafy (k=2) Vegetables

0 Nuclide (i)

Parent	Product	FSR(i,3,1,k)	FSR(i,3,2,1)	FSR(i,3,2,2)
U-234	U-234	2.5000E-03	1.2876E-06	6.1745E-06
U-234	Th-230	1.0000E-03	1.2876E-06	6.1745E-06
U-234	Ra-226	4.0000E-02	1.2876E-06	6.1745E-06
U-234	Pb-210	1.0000E-02	1.2876E-06	6.1745E-06
U-235	U-235	2.5000E-03	1.2876E-06	6.1745E-06
U-235	Pa-231	1.0000E-02	1.2876E-06	6.1745E-06
U-235	Ac-227	2.5000E-03	1.2876E-06	6.1745E-06
U-238	U-238	2.5000E-03	1.2876E-06	6.1745E-06
U-238	U-234	2.5000E-03	1.2876E-06	6.1745E-06
U-238	Th-230	1.0000E-03	1.2876E-06	6.1745E-06
U-238	Ra-226	4.0000E-02	1.2876E-06	6.1745E-06
U-238	Pb-210	1.0000E-02	1.2876E-06	6.1745E-06







Meat/Fodder, Milk/Fodder, Fodder/Air and Fodder/Water Concentration Ratios

0 FI(4,q): 68.0 kg/day FI(5,q): 55.0 kg/day q=1,2,3,4  
 FI(4,q): 50.0 L/day FI(5,q): 160.0 L/day q=5  
 FI(4,q): 0.5 kg/day FI(5,q):

ONuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Ac-227	2.0000E-05	2.0000E-05	2.8659E-01	1.3269E-07	1.8139E-03
Pa-231	5.0000E-03	5.0000E-06	2.8659E-01	5.3230E-07	1.8139E-03
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	5.3282E-07	1.8139E-03
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	2.1304E-06	1.8139E-03
Th-230	1.0000E-04	5.0000E-06	2.8659E-01	5.2861E-08	1.8139E-03
U-234	3.4000E-04	6.0000E-04	2.8659E-01	1.3343E-07	1.8139E-03
U-235	3.4000E-04	6.0000E-04	2.8659E-01	1.3343E-07	1.8139E-03
U-238	3.4000E-04	6.0000E-04	2.8659E-01	1.3343E-07	1.8139E-03

FI(p,q) are the fodder (q=1,2,3,4), livestock water (q=5) and soil (q=6) intake rates; FQR(i,p) are the transfer coefficients from contaminated fodder of livestock water to meat (p=4) or milk (p=5). FAR(i,3,2,3) are the fodder/air concentration ratios, and FWR(i,3,3,3) and FWR(i,3,4,3) are the fodder/water concentration ratios for ditch and overhead irrigation, respectively.















Dose/Source Ratios for Soil Ingestion Pathway (p=8)  
 Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	DSR(j,8,t) (mrem/yr) / (pCi/g)							
				0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00		2.141E-04	2.126E-04	2.096E-04	1.992E-04	1.697E-04	6.892E-05	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		1.864E-09	5.558E-09	1.279E-08	3.651E-08	9.054E-08	1.222E-07	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		6.473E-13	4.460E-12	2.275E-11	1.791E-10	1.049E-09	2.660E-09	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		2.723E-14	3.984E-13	4.395E-12	9.531E-11	1.327E-09	6.298E-09	0.000E+00	0.000E+00
U-234	äDSR(j)			2.141E-04	2.126E-04	2.096E-04	1.993E-04	1.698E-04	6.905E-05	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		2.020E-04	2.006E-04	1.978E-04	1.880E-04	1.601E-04	6.504E-05	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		8.340E-08	2.434E-07	5.347E-07	1.300E-06	2.148E-06	1.124E-06	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		1.194E-09	7.855E-09	3.616E-08	2.024E-07	5.446E-07	3.273E-07	0.000E+00	0.000E+00
U-235	äDSR(j)			2.021E-04	2.008E-04	1.984E-04	1.895E-04	1.628E-04	6.649E-05	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		2.035E-04	2.021E-04	1.993E-04	1.894E-04	1.613E-04	6.552E-05	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		3.031E-10	9.038E-10	2.080E-09	5.930E-09	1.467E-08	1.964E-08	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		1.760E-15	1.225E-14	6.388E-14	5.435E-13	3.910E-12	1.733E-11	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		4.594E-19	6.799E-18	7.699E-17	1.832E-15	3.268E-14	3.067E-13	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		1.548E-20	4.698E-19	1.129E-17	7.441E-16	3.251E-14	6.217E-13	0.000E+00	0.000E+00
U-238	äDSR(j)			2.035E-04	2.021E-04	1.993E-04	1.894E-04	1.613E-04	6.554E-05	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose Conversion and Environmental Transport Factors for the Soil Ingestion Pathway (p=8)

OParent (i)	Product (j)	DCF(j,8)*	t=	ETF(j,8,t) (g/yr)							
				0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-238	U-234	2.830E-04		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03		7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Cancer Risk Slope Factors Summary Table  
 File: Default.LIB

Menu	Parameter	Current Value	Default	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Ac-227+D	9.30E-07	9.30E-07	SLPF( 1,1)
Sf-1	Pa-231	2.70E-08	2.70E-08	SLPF( 2,1)
Sf-1	Pb-210+D	1.43E-10	1.43E-10	SLPF( 3,1)
Sf-1	Ra-226+D	6.70E-06	6.70E-06	SLPF( 4,1)
Sf-1	Th-230	4.40E-11	4.40E-11	SLPF( 5,1)
Sf-1	U-234	2.10E-11	2.10E-11	SLPF( 6,1)
Sf-1	U-235+D	2.70E-07	2.70E-07	SLPF( 7,1)
Sf-1	U-238+D	6.60E-08	6.60E-08	SLPF( 8,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Ac-227+D	7.90E-08	7.90E-08	SLPF( 1,2)
Sf-2	Pa-231	2.40E-08	2.40E-08	SLPF( 2,2)
Sf-2	Pb-210+D	3.80E-09	3.80E-09	SLPF( 3,2)
Sf-2	Ra-226+D	2.70E-09	2.70E-09	SLPF( 4,2)
Sf-2	Th-230	1.70E-08	1.70E-08	SLPF( 5,2)
Sf-2	U-234	1.40E-08	1.40E-08	SLPF( 6,2)
Sf-2	U-235+D	1.30E-08	1.30E-08	SLPF( 7,2)
Sf-2	U-238+D	1.20E-08	1.20E-08	SLPF( 8,2)
Sf-3	Ingestion, slope factors, 1/(pCi):			
Sf-3	Ac-227+D	6.30E-10	6.30E-10	SLPF( 1,3)
Sf-3	Pa-231	1.50E-10	1.50E-10	SLPF( 2,3)
Sf-3	Pb-210+D	1.01E-09	1.01E-09	SLPF( 3,3)
Sf-3	Ra-226+D	3.00E-10	3.00E-10	SLPF( 4,3)
Sf-3	Th-230	3.80E-11	3.80E-11	SLPF( 5,3)
Sf-3	U-234	4.40E-11	4.40E-11	SLPF( 6,3)
Sf-3	U-235+D	4.70E-11	4.70E-11	SLPF( 7,3)
Sf-3	U-238+D	6.20E-11	6.20E-11	SLPF( 8,3)
Sf-Rn	Radon Inhalation slope factors, 1/(pCi):			
Sf-Rn	Rn-222	1.80E-12	1.80E-12	SLPFRN(1,1)
Sf-Rn	Po-218	3.70E-12	3.70E-12	SLPFRN(1,2)
Sf-Rn	Pb-214	6.20E-12	6.20E-12	SLPFRN(1,3)
Sf-Rn	Bi-214	1.50E-11	1.50E-11	SLPFRN(1,4)
Sf-Rn	Radon K factors, (mrem/WLM):			
Sf-Rn	Rn-222 Indoor	7.60E+02	7.60E+02	KFACTR(1,1)
Sf-Rn	Rn-222 Outdoor	5.70E+02	5.70E+02	KFACTR(1,2)

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 0.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*	
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk		
Ac-227	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pa-231	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	6.141E+01	0.000E+00	0.000E+00	0.000E+00	1.130E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.130E+04
U-235	3.382E+00	0.000E+00	0.000E+00	0.000E+00	6.225E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.225E+02
U-238	1.446E+01	0.000E+00	0.000E+00	0.000E+00	2.662E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.662E+03

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 0.000E+00 years  
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	1.933E-07	0.0006	2.579E-05	0.0820	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.492E-05	0.0475
U-235	1.324E-04	0.4212	1.319E-06	0.0042	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.778E-07	0.0028
U-238	1.287E-04	0.4094	5.206E-06	0.0166	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.951E-06	0.0157
Total	2.613E-04	0.8312	3.232E-05	0.1028	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.075E-05	0.0660

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.091E-05	0.1301
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.346E-04	0.4282
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.389E-04	0.4417
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.144E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 0.000E+00 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.933E-07	0.0006	2.579E-05	0.0820	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.492E-05	0.0475
U-235	1.324E-04	0.4212	1.319E-06	0.0042	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.778E-07	0.0028
U-238	1.287E-04	0.4094	5.206E-06	0.0166	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.951E-06	0.0157
===== Total	2.613E-04	0.8312	3.232E-05	0.1028	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.075E-05	0.0660

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.091E-05	0.1301
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.346E-04	0.4282
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.389E-04	0.4417
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.144E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 1.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	1.059E-06	0.000E+00	0.000E+00	0.000E+00	1.949E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.949E-04
Pa-231	6.938E-05	0.000E+00	0.000E+00	0.000E+00	1.277E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.277E-02
Pb-210	1.205E-09	0.000E+00	0.000E+00	0.000E+00	2.218E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.218E-07
Ra-226	1.176E-07	0.000E+00	0.000E+00	0.000E+00	2.164E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.164E-05
Th-230	5.490E-04	0.000E+00	0.000E+00	0.000E+00	1.011E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.011E-01
U-234	6.098E+01	0.000E+00	0.000E+00	0.000E+00	1.123E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.123E+04
U-235	3.359E+00	0.000E+00	0.000E+00	0.000E+00	6.182E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.182E+02
U-238	1.436E+01	0.000E+00	0.000E+00	0.000E+00	2.643E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.643E+03

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 1.000E+00 years  
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	1.398E-10	0.0000	2.509E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.683E-12	0.0000
Pa-231	2.654E-10	0.0000	4.995E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.747E-11	0.0000
Pb-210	2.585E-17	0.0000	1.373E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.719E-15	0.0000
Ra-226	1.025E-10	0.0000	9.522E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.947E-13	0.0000
Th-230	3.631E-12	0.0000	2.800E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.152E-10	0.0000
U-234	1.932E-07	0.0006	2.561E-05	0.0817	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.482E-05	0.0473
U-235	1.322E-04	0.4217	1.310E-06	0.0042	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.717E-07	0.0028
U-238	1.285E-04	0.4096	5.170E-06	0.0165	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.916E-06	0.0157
Total	2.609E-04	0.8319	3.209E-05	0.1023	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.061E-05	0.0657



Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.460E-10	0.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.729E-10	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.883E-15	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.027E-10	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.988E-10	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.062E-05	0.1295
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.344E-04	0.4287
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.385E-04	0.4418
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.136E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 1.000E+00 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

0  
 0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.933E-07	0.0006	2.561E-05	0.0817	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.482E-05	0.0473
U-235	1.322E-04	0.4217	1.310E-06	0.0042	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.718E-07	0.0028
U-238	1.285E-04	0.4096	5.170E-06	0.0165	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.916E-06	0.0157
===== Total	2.609E-04	0.8319	3.209E-05	0.1023	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.061E-05	0.0657

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.062E-05	0.1295
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.344E-04	0.4287
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.385E-04	0.4418
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.136E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 3.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	8.253E-06	0.000E+00	0.000E+00	0.000E+00	1.519E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.519E-03
Pa-231	1.957E-04	0.000E+00	0.000E+00	0.000E+00	3.602E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.602E-02
Pb-210	3.068E-08	0.000E+00	0.000E+00	0.000E+00	5.647E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.647E-06
Ra-226	1.020E-06	0.000E+00	0.000E+00	0.000E+00	1.877E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.877E-04
Th-230	1.624E-03	0.000E+00	0.000E+00	0.000E+00	2.990E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.990E-01
U-234	6.013E+01	0.000E+00	0.000E+00	0.000E+00	1.107E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.107E+04
U-235	3.312E+00	0.000E+00	0.000E+00	0.000E+00	6.096E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.096E+02
U-238	1.416E+01	0.000E+00	0.000E+00	0.000E+00	2.606E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.606E+03

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 3.000E+00 years  
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	1.102E-09	0.0000	1.956E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.871E-11	0.0000
Pa-231	7.570E-10	0.0000	1.409E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.621E-10	0.0000
Pb-210	6.666E-16	0.0000	3.498E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.711E-13	0.0000
Ra-226	8.974E-10	0.0000	8.259E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.689E-12	0.0000
Th-230	1.088E-11	0.0000	8.285E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.409E-10	0.0000
U-234	1.930E-07	0.0006	2.526E-05	0.0809	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.461E-05	0.0468
U-235	1.319E-04	0.4228	1.292E-06	0.0041	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.595E-07	0.0028
U-238	1.279E-04	0.4100	5.097E-06	0.0163	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.848E-06	0.0155
Total	2.601E-04	0.8335	3.165E-05	0.1014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.032E-05	0.0651

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.150E-09	0.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.060E-09	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.753E-13	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.991E-10	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.180E-09	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.006E-05	0.1284
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.341E-04	0.4297
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.379E-04	0.4419
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.120E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 3.000E+00 years

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

0  
 0  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.939E-07	0.0006	2.526E-05	0.0809	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.461E-05	0.0468
U-235	1.319E-04	0.4228	1.292E-06	0.0041	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.597E-07	0.0028
U-238	1.279E-04	0.4100	5.098E-06	0.0163	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.848E-06	0.0155
===== Total	2.601E-04	0.8335	3.165E-05	0.1014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.032E-05	0.0651

0  
 Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.006E-05	0.1284
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.341E-04	0.4297
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.379E-04	0.4419
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.120E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 1.000E+01 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	5.707E-05	0.000E+00	0.000E+00	0.000E+00	1.051E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.051E-02
Pa-231	5.284E-04	0.000E+00	0.000E+00	0.000E+00	9.726E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.726E-02
Pb-210	9.278E-07	0.000E+00	0.000E+00	0.000E+00	1.708E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.708E-04
Ra-226	9.964E-06	0.000E+00	0.000E+00	0.000E+00	1.834E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.834E-03
Th-230	5.151E-03	0.000E+00	0.000E+00	0.000E+00	9.481E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.481E-01
U-234	5.716E+01	0.000E+00	0.000E+00	0.000E+00	1.052E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.052E+04
U-235	3.148E+00	0.000E+00	0.000E+00	0.000E+00	5.794E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.794E+02
U-238	1.346E+01	0.000E+00	0.000E+00	0.000E+00	2.477E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.477E+03

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 1.000E+01 years  
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	7.923E-09	0.0000	1.353E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.985E-10	0.0000
Pa-231	2.124E-09	0.0000	3.804E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.377E-10	0.0000
Pb-210	2.110E-14	0.0000	1.058E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.175E-12	0.0000
Ra-226	9.061E-09	0.0000	8.071E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.651E-11	0.0000
Th-230	3.611E-11	0.0000	2.627E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.081E-09	0.0000
U-234	1.922E-07	0.0006	2.401E-05	0.0784	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.389E-05	0.0453
U-235	1.307E-04	0.4267	1.228E-06	0.0040	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.170E-07	0.0027
U-238	1.260E-04	0.4114	4.845E-06	0.0158	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.608E-06	0.0150
Total	2.570E-04	0.8388	3.008E-05	0.0982	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.931E-05	0.0630

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.257E-09	0.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.942E-09	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.302E-12	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.078E-09	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.744E-09	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.808E-05	0.1243
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.328E-04	0.4333
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.355E-04	0.4423
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.064E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 1.000E+01 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	2.013E-07	0.0007	2.401E-05	0.0784	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.389E-05	0.0453
U-235	1.307E-04	0.4267	1.228E-06	0.0040	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.176E-07	0.0027
U-238	1.260E-04	0.4114	4.845E-06	0.0158	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.608E-06	0.0150
===== Total	2.570E-04	0.8388	3.008E-05	0.0982	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.931E-05	0.0630

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.810E-05	0.1244
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.328E-04	0.4334
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.355E-04	0.4423
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.064E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides



Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 3.000E+01 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	1.627E-04	0.000E+00	0.000E+00	0.000E+00	2.995E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.995E-02
Pa-231	9.000E-04	0.000E+00	0.000E+00	0.000E+00	1.657E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.657E-01
Pb-210	1.424E-05	0.000E+00	0.000E+00	0.000E+00	2.621E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.621E-03
Ra-226	6.226E-05	0.000E+00	0.000E+00	0.000E+00	1.146E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.146E-02
Th-230	1.320E-02	0.000E+00	0.000E+00	0.000E+00	2.430E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.430E+00
U-234	4.871E+01	0.000E+00	0.000E+00	0.000E+00	8.967E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.967E+03
U-235	2.683E+00	0.000E+00	0.000E+00	0.000E+00	4.939E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.939E+02
U-238	1.147E+01	0.000E+00	0.000E+00	0.000E+00	2.112E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.112E+03

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 3.000E+01 years  
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	2.540E-08	0.0001	3.856E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.660E-10	0.0000
Pa-231	4.066E-09	0.0000	6.480E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.454E-10	0.0000
Pb-210	3.727E-13	0.0000	1.623E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.943E-11	0.0000
Ra-226	6.244E-08	0.0002	5.043E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.031E-10	0.0000
Th-230	1.066E-10	0.0000	6.733E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.770E-09	0.0000
U-234	1.892E-07	0.0007	2.046E-05	0.0709	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.184E-05	0.0410
U-235	1.264E-04	0.4382	1.046E-06	0.0036	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.964E-07	0.0024
U-238	1.197E-04	0.4149	4.130E-06	0.0143	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.928E-06	0.0136
Total	2.463E-04	0.8540	2.564E-05	0.0889	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.646E-05	0.0571

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.635E-08	0.0001
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.459E-09	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.142E-11	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.255E-08	0.0002
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.610E-09	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.249E-05	0.1126
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.281E-04	0.4442
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.277E-04	0.4428
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.884E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 3.000E+01 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

0  
 0  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	2.517E-07	0.0009	2.047E-05	0.0710	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.184E-05	0.0410
U-235	1.264E-04	0.4383	1.047E-06	0.0036	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.977E-07	0.0024
U-238	1.197E-04	0.4149	4.130E-06	0.0143	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.928E-06	0.0136
===== Total	2.463E-04	0.8540	2.564E-05	0.0889	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.646E-05	0.0571

0  
 Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.256E-05	0.1129
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.282E-04	0.4443
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.277E-04	0.4428
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.884E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 1.000E+02 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Ac-227	9.949E-05	0.000E+00	0.000E+00	0.000E+00	1.831E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.831E-02
Pa-231	4.769E-04	0.000E+00	0.000E+00	0.000E+00	8.779E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.779E-02
Pb-210	7.020E-05	0.000E+00	0.000E+00	0.000E+00	1.292E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.292E-02
Ra-226	1.623E-04	0.000E+00	0.000E+00	0.000E+00	2.988E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.988E-02
Th-230	1.812E-02	0.000E+00	0.000E+00	0.000E+00	3.336E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.336E+00
U-234	1.990E+01	0.000E+00	0.000E+00	0.000E+00	3.663E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.663E+03
U-235	1.096E+00	0.000E+00	0.000E+00	0.000E+00	2.018E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.018E+02
U-238	4.687E+00	0.000E+00	0.000E+00	0.000E+00	8.628E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.628E+02

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 1.000E+02 years  
 Radionuclides

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	2.588E-08	0.0001	2.358E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.461E-10	0.0000
Pa-231	3.567E-09	0.0000	3.434E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.950E-10	0.0000
Pb-210	3.637E-12	0.0000	8.003E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.915E-10	0.0000
Ra-226	2.479E-07	0.0013	1.315E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.689E-10	0.0000
Th-230	2.851E-10	0.0000	9.243E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.803E-09	0.0000
U-234	1.577E-07	0.0008	8.358E-06	0.0446	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.835E-06	0.0258
U-235	9.001E-05	0.4800	4.275E-07	0.0023	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.845E-07	0.0015
U-238	7.986E-05	0.4259	1.687E-06	0.0090	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.605E-06	0.0086
Total	1.703E-04	0.9082	1.048E-05	0.0559	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.730E-06	0.0359

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.646E-08	0.0001
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.306E-09	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.032E-10	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.482E-07	0.0013
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.333E-08	0.0001
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.335E-05	0.0712
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.072E-05	0.4838
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.315E-05	0.4434
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.875E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 1.000E+02 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

0  
 0  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	4.059E-07	0.0022	8.367E-06	0.0446	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.839E-06	0.0258
U-235	9.004E-05	0.4802	4.281E-07	0.0023	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.853E-07	0.0015
U-238	7.986E-05	0.4259	1.688E-06	0.0090	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.605E-06	0.0086
===== Total	1.703E-04	0.9082	1.048E-05	0.0559	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.730E-06	0.0359

0  
 Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.361E-05	0.0726
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.075E-05	0.4840
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.315E-05	0.4434
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.875E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides



Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	4.481E-08	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.481E-08	1.0000
Pa-231	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	4.481E-08	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.481E-08	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 3.000E+02 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent



Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+02 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	4.481E-08	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.481E-08	1.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	4.481E-08	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.481E-08	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides



Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	0.000E+00	0.0000	2.648E-06	0.5480	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.648E-06	0.5480
Pa-231	0.000E+00	0.0000	1.681E-07	0.0348	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.681E-07	0.0348
Pb-210	0.000E+00	0.0000	1.882E-06	0.3895	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.882E-06	0.3895
Ra-226	0.000E+00	0.0000	1.341E-07	0.0278	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.341E-07	0.0278
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	4.832E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.832E-06	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products at t= 1.000E+03 years  
 Radionuclides

0

Radon Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
===== Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Water-ind. == Water-independent      Water-dep. == Water-dependent

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+03 years  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+03 years  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	2.016E-06	0.4172	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.016E-06	0.4172
U-235	0.000E+00	0.0000	2.816E-06	0.5828	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.816E-06	0.5828
U-238	0.000E+00	0.0000	9.265E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.265E-11	0.0000
===== Total	0.000E+00	0.0000	4.832E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.832E-06	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

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Concentration of radionuclides in environmental media  
 at t = 0.000E+00 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pa-231	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	1.489E+04	1.489E+04	3.515E-01	0.000E+00	0.000E+00
U-235	8.200E+02	8.200E+02	1.936E-02	0.000E+00	0.000E+00
U-238	3.506E+03	3.506E+03	8.277E-02	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 0.000E+00 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pa-231	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	0.000E+00	6.223E+03	6.296E+03	6.304E+03	6.304E+03	2.677E+03	4.675E+03	0.000E+00	0.000E+00
U-235	0.000E+00	3.427E+02	3.467E+02	3.472E+02	3.472E+02	1.474E+02	2.575E+02	0.000E+00	0.000E+00
U-238	0.000E+00	1.465E+03	1.482E+03	1.485E+03	1.485E+03	6.303E+02	1.101E+03	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+00 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	2.584E-04	2.567E-04	6.059E-09	0.000E+00	0.000E+00
Pa-231	1.693E-02	1.682E-02	3.971E-07	0.000E+00	0.000E+00
Pb-210	2.941E-07	2.921E-07	6.896E-12	0.000E+00	0.000E+00
Ra-226	2.869E-05	2.850E-05	6.728E-10	0.000E+00	0.000E+00
Th-230	1.340E-01	1.331E-01	3.142E-06	0.000E+00	0.000E+00
U-234	1.488E+04	1.479E+04	3.490E-01	0.000E+00	0.000E+00
U-235	8.198E+02	8.143E+02	1.922E-02	0.000E+00	0.000E+00
U-238	3.505E+03	3.482E+03	8.219E-02	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+00 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	1.325E-04	1.104E-04	1.670E-04	1.819E-04	8.633E-05	2.758E-06	0.000E+00	0.000E+00
Pa-231	0.000E+00	2.729E-02	2.808E-02	2.417E-02	2.560E-02	4.820E-02	6.379E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	6.433E-07	5.009E-07	7.671E-07	8.853E-07	1.772E-07	5.997E-08	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.763E-04	1.892E-04	1.302E-04	1.469E-04	2.176E-05	2.225E-05	0.000E+00	0.000E+00
Th-230	0.000E+00	2.364E-02	2.310E-02	2.595E-02	2.715E-02	7.781E-03	4.538E-04	0.000E+00	0.000E+00
U-234	0.000E+00	6.181E+03	6.252E+03	6.268E+03	6.266E+03	2.659E+03	4.643E+03	0.000E+00	0.000E+00
U-235	0.000E+00	3.404E+02	3.443E+02	3.452E+02	3.451E+02	1.465E+02	2.557E+02	0.000E+00	0.000E+00
U-238	0.000E+00	1.456E+03	1.472E+03	1.476E+03	1.476E+03	6.262E+02	1.093E+03	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 3.000E+00 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	2.042E-03	2.001E-03	4.724E-08	0.000E+00	0.000E+00
Pa-231	4.842E-02	4.745E-02	1.120E-06	0.000E+00	0.000E+00
Pb-210	7.590E-06	7.439E-06	1.756E-10	0.000E+00	0.000E+00
Ra-226	2.523E-04	2.472E-04	5.836E-09	0.000E+00	0.000E+00
Th-230	4.019E-01	3.939E-01	9.298E-06	0.000E+00	0.000E+00
U-234	1.488E+04	1.458E+04	3.442E-01	0.000E+00	0.000E+00
U-235	8.193E+02	8.029E+02	1.895E-02	0.000E+00	0.000E+00
U-238	3.503E+03	3.433E+03	8.104E-02	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 3.000E+00 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	9.119E-04	8.516E-04	1.052E-03	1.082E-03	2.691E-04	2.118E-05	0.000E+00	0.000E+00
Pa-231	0.000E+00	7.850E-02	7.933E-02	7.599E-02	7.725E-02	1.427E-01	1.544E-04	0.000E+00	0.000E+00
Pb-210	0.000E+00	1.385E-05	1.255E-05	1.598E-05	1.675E-05	4.056E-06	1.407E-06	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.609E-03	1.647E-03	1.468E-03	1.521E-03	2.196E-04	2.071E-04	0.000E+00	0.000E+00
Th-230	0.000E+00	6.742E-02	6.816E-02	7.119E-02	7.235E-02	2.112E-02	1.116E-03	0.000E+00	0.000E+00
U-234	0.000E+00	6.095E+03	6.165E+03	6.181E+03	6.179E+03	2.622E+03	4.578E+03	0.000E+00	0.000E+00
U-235	0.000E+00	3.357E+02	3.395E+02	3.404E+02	3.403E+02	1.444E+02	2.521E+02	0.000E+00	0.000E+00
U-238	0.000E+00	1.435E+03	1.452E+03	1.455E+03	1.455E+03	6.175E+02	1.078E+03	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.



Concentration of radionuclides in environmental media  
 at t = 1.000E+01 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	1.483E-02	1.384E-02	3.267E-07	0.000E+00	0.000E+00
Pa-231	1.373E-01	1.281E-01	3.024E-06	0.000E+00	0.000E+00
Pb-210	2.410E-04	2.250E-04	5.310E-09	0.000E+00	0.000E+00
Ra-226	2.588E-03	2.416E-03	5.703E-08	0.000E+00	0.000E+00
Th-230	1.338E+00	1.249E+00	2.948E-05	0.000E+00	0.000E+00
U-234	1.485E+04	1.386E+04	3.271E-01	0.000E+00	0.000E+00
U-235	8.177E+02	7.632E+02	1.802E-02	0.000E+00	0.000E+00
U-238	3.496E+03	3.263E+03	7.703E-02	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+01 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	6.006E-03	5.867E-03	6.526E-03	6.570E-03	8.276E-04	1.456E-04	0.000E+00	0.000E+00
Pa-231	0.000E+00	2.134E-01	2.143E-01	2.125E-01	2.133E-01	3.914E-01	3.927E-04	0.000E+00	0.000E+00
Pb-210	0.000E+00	3.899E-04	3.774E-04	4.168E-04	4.226E-04	1.150E-04	4.086E-05	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.600E-02	1.611E-02	1.561E-02	1.576E-02	2.259E-03	2.074E-03	0.000E+00	0.000E+00
Th-230	0.000E+00	2.110E-01	2.159E-01	2.195E-01	2.206E-01	6.485E-02	3.289E-03	0.000E+00	0.000E+00
U-234	0.000E+00	5.793E+03	5.860E+03	5.875E+03	5.873E+03	2.493E+03	4.351E+03	0.000E+00	0.000E+00
U-235	0.000E+00	3.191E+02	3.227E+02	3.236E+02	3.235E+02	1.373E+02	2.396E+02	0.000E+00	0.000E+00
U-238	0.000E+00	1.364E+03	1.380E+03	1.384E+03	1.383E+03	5.869E+02	1.025E+03	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 3.000E+01 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	4.931E-02	3.945E-02	9.312E-07	0.000E+00	0.000E+00
Pa-231	2.727E-01	2.182E-01	5.151E-06	0.000E+00	0.000E+00
Pb-210	4.316E-03	3.453E-03	8.151E-08	0.000E+00	0.000E+00
Ra-226	1.887E-02	1.510E-02	3.564E-07	0.000E+00	0.000E+00
Th-230	4.001E+00	3.201E+00	7.556E-05	0.000E+00	0.000E+00
U-234	1.476E+04	1.181E+04	2.788E-01	0.000E+00	0.000E+00
U-235	8.131E+02	6.505E+02	1.536E-02	0.000E+00	0.000E+00
U-238	3.477E+03	2.781E+03	6.566E-02	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 3.000E+01 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	1.690E-02	1.671E-02	1.802E-02	1.804E-02	1.584E-03	4.143E-04	0.000E+00	0.000E+00
Pa-231	0.000E+00	3.641E-01	3.650E-01	3.654E-01	3.656E-01	6.697E-01	6.578E-04	0.000E+00	0.000E+00
Pb-210	0.000E+00	5.856E-03	5.783E-03	6.064E-03	6.086E-03	1.727E-03	6.193E-04	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.005E-01	1.007E-01	9.990E-02	1.002E-01	1.432E-02	1.306E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	5.388E-01	5.533E-01	5.582E-01	5.589E-01	1.647E-01	8.246E-03	0.000E+00	0.000E+00
U-234	0.000E+00	4.938E+03	4.994E+03	5.009E+03	5.007E+03	2.125E+03	3.709E+03	0.000E+00	0.000E+00
U-235	0.000E+00	2.720E+02	2.751E+02	2.759E+02	2.757E+02	1.170E+02	2.043E+02	0.000E+00	0.000E+00
U-238	0.000E+00	1.163E+03	1.176E+03	1.180E+03	1.179E+03	5.003E+02	8.733E+02	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+02 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	7.236E-02	2.412E-02	5.694E-07	0.000E+00	0.000E+00
Pa-231	3.469E-01	1.156E-01	2.730E-06	0.000E+00	0.000E+00
Pb-210	5.106E-02	1.702E-02	4.018E-07	0.000E+00	0.000E+00
Ra-226	1.181E-01	3.935E-02	9.290E-07	0.000E+00	0.000E+00
Th-230	1.318E+01	4.394E+00	1.037E-04	0.000E+00	0.000E+00
U-234	1.447E+04	4.825E+03	1.139E-01	0.000E+00	0.000E+00
U-235	7.974E+02	2.658E+02	6.274E-03	0.000E+00	0.000E+00
U-238	3.409E+03	1.136E+03	2.683E-02	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+02 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	1.031E-02	1.022E-02	1.097E-02	1.096E-02	8.752E-04	2.533E-04	0.000E+00	0.000E+00
Pa-231	0.000E+00	1.931E-01	1.935E-01	1.945E-01	1.943E-01	3.556E-01	3.474E-04	0.000E+00	0.000E+00
Pb-210	0.000E+00	2.867E-02	2.849E-02	2.940E-02	2.939E-02	8.458E-03	3.041E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.625E-01	2.626E-01	2.630E-01	2.629E-01	3.757E-02	3.413E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	7.390E-01	7.596E-01	7.658E-01	7.654E-01	2.255E-01	1.123E-02	0.000E+00	0.000E+00
U-234	0.000E+00	2.018E+03	2.040E+03	2.050E+03	2.048E+03	8.686E+02	1.515E+03	0.000E+00	0.000E+00
U-235	0.000E+00	1.112E+02	1.124E+02	1.129E+02	1.128E+02	4.785E+01	8.346E+01	0.000E+00	0.000E+00
U-238	0.000E+00	4.753E+02	4.805E+02	4.829E+02	4.824E+02	2.046E+02	3.569E+02	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 3.000E+02 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	6.924E-02	0.000E+00	0.000E+00	2.896E-02	5.860E-02
Pa-231	3.307E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	2.254E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	4.290E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.826E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	1.368E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	7.539E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	3.224E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 3.000E+02 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	2.896E-02	9.984E-03	4.794E-02	5.211E-02	5.217E-02	9.962E-05	1.500E-04	8.781E-01	5.854E+01
Pa-231	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+03 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	5.692E-02	0.000E+00	0.000E+00	1.711E+00	3.461E+00
Pa-231	2.718E-01	0.000E+00	0.000E+00	6.836E-01	1.383E+00
Pb-210	7.567E-01	0.000E+00	0.000E+00	3.792E-02	7.672E-02
Ra-226	1.370E+00	0.000E+00	0.000E+00	5.456E-02	1.104E-01
Th-230	1.138E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	1.123E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	6.198E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	2.650E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+03 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	1.711E+00	5.906E-01	2.832E+00	3.095E+00	3.096E+00	6.942E-03	8.878E-03	5.189E+01	3.459E+03
Pa-231	6.836E-01	2.368E-01	1.133E+00	1.240E+00	1.240E+00	5.926E-01	8.880E-04	1.383E+01	1.522E+02
Pb-210	3.792E-02	1.314E-02	6.284E-02	6.889E-02	6.890E-02	5.271E-03	2.958E-03	2.301E+01	7.684E+00
Ra-226	5.456E-02	1.908E-02	9.068E-02	9.904E-02	9.905E-02	9.462E-03	1.418E-02	5.519E+00	2.760E+01
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

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Part V: Dose from Radionuclide at Point of Action  
=====

Total Dose Components Summed to Daughter	
Time = 0.000E+00 years .....	2
Time = 1.000E+00 years .....	3
Time = 3.000E+00 years .....	4
Time = 1.000E+01 years .....	5
Time = 3.000E+01 years .....	6
Time = 1.000E+02 years .....	7
Time = 3.000E+02 years .....	8
Time = 1.000E+03 years .....	9

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 0.000E+00 years

0 Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Ac-227	3.42E-06	2.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-06
Pa-231	3.16E-05	4.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04
Pb-210	9.26E-12	7.03E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-10
Ra-226	1.91E-06	3.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-06
Th-230	1.66E-06	8.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04
U-234	1.23E-01	8.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+01
U-235	1.24E+01	4.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+01
U-238	8.90E+00	1.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01
===== Total	2.14E+01	1.02E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 1.000E+00 years

0 Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	2.26E-05	1.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05
Pa-231	9.26E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04
Pb-210	1.36E-10	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-09
Ra-226	1.32E-05	2.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05
Th-230	4.99E-06	2.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
U-234	1.23E-01	8.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01
U-235	1.24E+01	4.12E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+01
U-238	8.88E+00	1.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	2.14E+01	1.01E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E+01

0\*Sum of all water independent and dependent pathways.



Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 3.000E+00 years

0 Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	1.05E-04	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
Pa-231	2.06E-04	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04
Pb-210	1.52E-09	1.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-08
Ra-226	6.80E-05	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-05
Th-230	1.16E-05	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04
U-234	1.23E-01	7.91E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+01
U-235	1.23E+01	4.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+01
U-238	8.84E+00	1.66E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	2.13E+01	9.98E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 1.000E+01 years

Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways							ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Ac-227	6.11E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
Pa-231	5.20E-04	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
Pb-210	3.45E-08	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06
Ra-226	5.53E-04	9.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04
Th-230	3.47E-05	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-03
U-234	1.23E-01	7.52E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E+01
U-235	1.22E+01	3.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+01
U-238	8.71E+00	1.58E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E+01
===== Total	2.10E+01	9.49E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 3.000E+01 years

0 Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Ac-227	1.85E-03	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03
Pa-231	9.64E-04	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-03
Pb-210	5.53E-07	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-05
Ra-226	3.57E-03	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-03
Th-230	9.93E-05	4.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-03
U-234	1.21E-01	6.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E+00
U-235	1.18E+01	3.29E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E+01
U-238	8.27E+00	1.35E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+01
===== Total	2.02E+01	8.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 1.000E+02 years

0 Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	1.85E-03	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03
Pa-231	8.37E-04	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
Pb-210	5.21E-06	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04
Ra-226	1.38E-02	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-02
Th-230	2.62E-04	5.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-03
U-234	1.00E-01	2.60E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E+00
U-235	8.37E+00	1.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E+00
U-238	5.50E+00	5.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E+00
===== Total	1.40E+01	3.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 3.000E+02 years

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pa-231	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb-210	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-234	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-02

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 1.000E+03 years

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E+00
Pa-231	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-01
Pb-210	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-01
Ra-226	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-02
Th-230	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-234	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+00

0\*Sum of all water independent and dependent pathways.

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Monte Carlo Input  
 Number of Sample Runs: 300

Number	Name	Distribution	Parameters			
1	H(1)	BOUNDED LOGNORMAL-N	.693	.25	1	4
2	RUNOFF	UNIFORM	.1	.8		
3	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
4	DWIBWT	TRIANGULAR	6	10	30	
5	INHALR	TRIANGULAR	4380	8400	13100	
6	SOIL	TRIANGULAR	0	18.3	36.5	
7	H(2)	BOUNDED LOGNORMAL-N	1.386	.6	2	17
8	DCACTC (6)	LOGNORMAL-N	9.07	.53		
9	DCACTU1 (6)	LOGNORMAL-N	8.1	.03		
10	DCACTU2 (6)	LOGNORMAL-N	4.84	1		
11	DCACTS (6)	LOGNORMAL-N	4.84	1		
12	DCACTC (7)	LOGNORMAL-N	9.07	.53		
13	DCACTU1 (7)	LOGNORMAL-N	8.1	.03		
14	DCACTU2 (7)	LOGNORMAL-N	4.84	1		
15	DCACTS (7)	LOGNORMAL-N	4.84	1		
16	DCACTC (8)	LOGNORMAL-N	9.07	.53		
17	DCACTU1 (8)	LOGNORMAL-N	8.1	.03		
18	DCACTU2 (8)	LOGNORMAL-N	4.84	1		
19	DCACTS (8)	LOGNORMAL-N	4.84	1		
20	THICK0	TRIANGULAR	0	.075	.3	
21	FR9	TRIANGULAR	0	.39	1	
22	DM	TRIANGULAR	0	.15	.6	
23	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
24	FOTD	TRIANGULAR	0	.0208	.034	



0 Nuclide (j)	Peak Time	Peak Dose	Monte Carlo Total Dose Summary								
			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
U-234											
Min	0.00E+00	3.02E-02	3.02E-02	2.87E-02	2.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	7.07E+00	7.07E+00	7.07E+00	7.06E+00	6.69E+00	6.65E+00	5.71E+00	0.00E+00	2.66E+00	
Avg	2.17E+01	1.87E+00	1.86E+00	1.85E+00	1.83E+00	1.74E+00	1.49E+00	6.66E-01	0.00E+00	1.33E-01	
Std	1.40E+02	1.44E+00	1.44E+00	1.44E+00	1.43E+00	1.41E+00	1.35E+00	1.01E+00	0.00E+00	3.42E-01	
U-235											
Min	0.00E+00	4.99E-01	4.99E-01	4.94E-01	4.82E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.00E+03	1.95E+01	1.95E+01	1.95E+01	1.94E+01	1.93E+01	1.90E+01	1.82E+01	1.85E+00	1.00E+01	
Avg	3.33E+00	9.86E+00	9.85E+00	9.81E+00	9.74E+00	9.44E+00	8.46E+00	4.30E+00	2.50E-02	1.02E+00	
Std	5.76E+01	4.20E+00	4.22E+00	4.22E+00	4.24E+00	4.31E+00	4.59E+00	4.86E+00	1.32E-01	1.49E+00	
U-238											
Min	0.00E+00	3.34E-01	3.34E-01	3.30E-01	3.22E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.53E+01	1.50E+01	1.36E+01	0.00E+00	1.68E-04	
Avg	0.00E+00	7.27E+00	7.27E+00	7.24E+00	7.17E+00	6.93E+00	6.15E+00	3.06E+00	0.00E+00	7.09E-06	
Std	0.00E+00	3.26E+00	3.26E+00	3.27E+00	3.27E+00	3.31E+00	3.46E+00	3.49E+00	0.00E+00	1.98E-05	
äALL											
Min	0.00E+00	8.70E-01	8.70E-01	8.60E-01	8.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.00E+03	4.04E+01	4.04E+01	4.04E+01	4.03E+01	4.02E+01	3.98E+01	3.75E+01	1.85E+00	1.27E+01	
Avg	3.33E+00	1.90E+01	1.90E+01	1.89E+01	1.87E+01	1.81E+01	1.61E+01	8.03E+00	2.50E-02	1.15E+00	
Std	5.76E+01	8.51E+00	8.52E+00	8.53E+00	8.55E+00	8.66E+00	9.07E+00	9.20E+00	1.32E-01	1.75E+00	

äALL is total dose summed for all nuclides.

Monte Carlo Risk Summary									
0Nuclide	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	
U-234									
Min	9.93E-08	9.38E-08	8.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.47E-05	2.47E-05	2.47E-05	2.41E-05	2.41E-05	1.99E-05	0.00E+00	1.14E-05	
Avg	6.94E-06	6.90E-06	6.80E-06	6.48E-06	5.56E-06	2.59E-06	0.00E+00	5.66E-07	
Std	5.45E-06	5.44E-06	5.42E-06	5.35E-06	5.11E-06	3.89E-06	0.00E+00	1.46E-06	
U-235									
Min	5.36E-06	5.30E-06	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.08E-04	2.07E-04	2.07E-04	2.05E-04	2.01E-04	1.93E-04	2.28E-06	1.14E-05	
Avg	1.05E-04	1.05E-04	1.04E-04	1.01E-04	9.03E-05	4.61E-05	3.11E-08	1.17E-06	
Std	4.48E-05	4.48E-05	4.50E-05	4.57E-05	4.87E-05	5.18E-05	1.63E-07	1.70E-06	
U-238									
Min	4.78E-06	4.73E-06	4.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.11E-04	2.10E-04	2.10E-04	2.09E-04	2.05E-04	1.84E-04	0.00E+00	7.16E-10	
Avg	1.02E-04	1.01E-04	1.00E-04	9.70E-05	8.62E-05	4.32E-05	0.00E+00	3.03E-11	
Std	4.51E-05	4.51E-05	4.52E-05	4.58E-05	4.80E-05	4.89E-05	0.00E+00	8.44E-11	
äALL									
Min	1.03E-05	1.02E-05	9.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.33E-04	4.33E-04	4.32E-04	4.30E-04	4.25E-04	3.97E-04	2.28E-06	2.28E-05	
Avg	2.14E-04	2.13E-04	2.11E-04	2.04E-04	1.82E-04	9.19E-05	3.11E-08	1.73E-06	
Std	9.34E-05	9.35E-05	9.38E-05	9.51E-05	1.00E-04	1.04E-04	1.63E-07	2.94E-06	

äALL is total risk summed for all nuclides.

0 Nuclide (j)	t=	Monte Carlo Dose vs Pathway(i): Ground External							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
DOSE(i,j,t), mrem/yr									
U-234									
Min	5.96E-03	5.92E-03	5.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.94E-01	1.94E-01	1.94E-01	1.93E-01	1.94E-01	2.28E-01	0.00E+00	0.00E+00	0.00E+00
Avg	1.02E-01	1.02E-01	1.02E-01	9.98E-02	9.39E-02	5.99E-02	0.00E+00	0.00E+00	0.00E+00
Std	4.08E-02	4.08E-02	4.08E-02	4.16E-02	4.61E-02	6.39E-02	0.00E+00	0.00E+00	0.00E+00
U-235									
Min	4.97E-01	4.92E-01	4.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.93E+01	1.93E+01	1.93E+01	1.91E+01	1.87E+01	1.79E+01	0.00E+00	0.00E+00	0.00E+00
Avg	9.76E+00	9.72E+00	9.65E+00	9.36E+00	8.39E+00	4.27E+00	0.00E+00	0.00E+00	0.00E+00
Std	4.17E+00	4.18E+00	4.19E+00	4.26E+00	4.54E+00	4.82E+00	0.00E+00	0.00E+00	0.00E+00
U-238									
Min	3.27E-01	3.23E-01	3.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.43E+01	1.42E+01	1.42E+01	1.41E+01	1.38E+01	1.25E+01	0.00E+00	0.00E+00	0.00E+00
Avg	6.89E+00	6.86E+00	6.80E+00	6.58E+00	5.85E+00	2.93E+00	0.00E+00	0.00E+00	0.00E+00
Std	3.05E+00	3.06E+00	3.06E+00	3.10E+00	3.26E+00	3.32E+00	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	8.30E-01	8.21E-01	8.02E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.36E+01	3.35E+01	3.35E+01	3.31E+01	3.27E+01	3.06E+01	0.00E+00	0.00E+00	0.00E+00
Avg	1.67E+01	1.67E+01	1.65E+01	1.60E+01	1.43E+01	7.26E+00	0.00E+00	0.00E+00	0.00E+00
Std	7.25E+00	7.26E+00	7.28E+00	7.40E+00	7.83E+00	8.21E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Inhalation (w/o Radon)									
0Nuclide	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
(j)									
-----									
U-234									
Min		7.39E-03	7.33E-03	7.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.26E+00	5.26E+00	5.26E+00	4.89E+00	4.65E+00	4.57E+00	0.00E+00	0.00E+00
Avg		9.82E-01	9.76E-01	9.62E-01	9.15E-01	7.78E-01	3.43E-01	0.00E+00	0.00E+00
Std		8.89E-01	8.87E-01	8.84E-01	8.67E-01	8.14E-01	6.00E-01	0.00E+00	0.00E+00
U-235									
Min		3.79E-04	3.76E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.70E-01	2.70E-01	2.70E-01	2.51E-01	2.42E-01	2.42E-01	0.00E+00	0.00E+00
Avg		5.04E-02	5.01E-02	4.94E-02	4.71E-02	4.03E-02	1.79E-02	0.00E+00	0.00E+00
Std		4.56E-02	4.55E-02	4.54E-02	4.46E-02	4.21E-02	3.16E-02	0.00E+00	0.00E+00
U-238									
Min		1.55E-03	1.54E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.11E+00	1.11E+00	1.11E+00	1.03E+00	9.74E-01	9.43E-01	0.00E+00	0.00E+00
Avg		2.07E-01	2.05E-01	2.03E-01	1.93E-01	1.64E-01	7.20E-02	0.00E+00	0.00E+00
Std		1.87E-01	1.87E-01	1.86E-01	1.82E-01	1.71E-01	1.26E-01	0.00E+00	0.00E+00
äALL									
Min		9.32E-03	9.25E-03	8.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.64E+00	6.64E+00	6.63E+00	6.17E+00	5.87E+00	5.76E+00	0.00E+00	0.00E+00
Avg		1.24E+00	1.23E+00	1.21E+00	1.15E+00	9.82E-01	4.33E-01	0.00E+00	0.00E+00
Std		1.12E+00	1.12E+00	1.12E+00	1.09E+00	1.03E+00	7.58E-01	0.00E+00	0.00E+00
=====									

äALL is total pathway dose summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Radon (Water Ind.)							
0Nuclide	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
(j)									
		DOSE(i,j,t), mrem/yr							
-----									
U-234	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
U-235	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
U-238	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
äALL	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
=====									

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo t=	Dose vs Pathway(i):	Plant (Water Ind.)	DOSE(i,j,t), mrem/yr						
				1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
U-234										
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	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	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	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	0.00E+00	0.00E+00
U-235										
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	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	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	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	0.00E+00	0.00E+00
U-238										
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	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	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	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	0.00E+00	0.00E+00
äALL										
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	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	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	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	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo t=	Dose vs Pathway(i):	Meat (Water Ind.)	DOSE(i,j,t), mrem/yr					
				1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
U-234									
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	
U-235									
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	
U-238									
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	
äALL									
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	

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo t=	Dose vs Pathway(i): Milk (Water Ind.)	DOSE(i,j,t), mrem/yr	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
U-234	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	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	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	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	0.00E+00
U-235	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	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	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	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	0.00E+00
U-238	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	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	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	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	0.00E+00
äALL	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	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	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	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	0.00E+00

äALL is total pathway dose summed for all nuclides.



0 Monte Carlo Dose vs Pathway(i): Soil Ingestion									
0Nuclide 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
-----									
U-234									
Min		1.13E-02	1.06E-02	9.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.84E+00	3.84E+00	3.83E+00	3.82E+00	3.77E+00	2.16E+00	0.00E+00	0.00E+00
Avg		7.79E-01	7.74E-01	7.63E-01	7.25E-01	6.15E-01	2.63E-01	0.00E+00	0.00E+00
Std		6.82E-01	6.81E-01	6.78E-01	6.68E-01	6.30E-01	4.20E-01	0.00E+00	0.00E+00
U-235									
Min		5.90E-04	5.53E-04	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.00E-01	2.00E-01	2.00E-01	2.00E-01	1.99E-01	1.17E-01	0.00E+00	0.00E+00
Avg		4.05E-02	4.03E-02	3.98E-02	3.80E-02	3.26E-02	1.42E-02	0.00E+00	0.00E+00
Std		3.55E-02	3.54E-02	3.53E-02	3.50E-02	3.34E-02	2.27E-02	0.00E+00	0.00E+00
U-238									
Min		2.54E-03	2.38E-03	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.60E-01	8.59E-01	8.59E-01	8.57E-01	8.51E-01	4.87E-01	0.00E+00	0.00E+00
Avg		1.74E-01	1.73E-01	1.71E-01	1.62E-01	1.38E-01	5.89E-02	0.00E+00	0.00E+00
Std		1.53E-01	1.52E-01	1.52E-01	1.49E-01	1.41E-01	9.39E-02	0.00E+00	0.00E+00
äALL									
Min		1.45E-02	1.36E-02	1.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.90E+00	4.90E+00	4.89E+00	4.87E+00	4.82E+00	2.76E+00	0.00E+00	0.00E+00
Avg		9.94E-01	9.87E-01	9.74E-01	9.26E-01	7.85E-01	3.36E-01	0.00E+00	0.00E+00
Std		8.70E-01	8.69E-01	8.65E-01	8.52E-01	8.05E-01	5.36E-01	0.00E+00	0.00E+00
=====									

äALL is total pathway dose summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Water Ingestion							
0Nuclide	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
(j)									
U-234	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
U-235	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
U-238	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
äALL	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

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Fish Ingestion									
0Nuclide 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
-----									
U-234									
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	2.66E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-01
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-01
U-235									
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	2.12E-04	1.85E+00	1.00E+01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	2.50E-02	1.02E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	1.32E-01	1.49E+00
U-238									
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	1.68E-04
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05
äALL									
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	2.12E-04	1.85E+00	1.27E+01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-07	2.50E-02	1.15E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	1.32E-01	1.75E+00
=====									

äALL is total pathway dose summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Radon (Water Dep.)							
0Nuclide	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
(j)									
		DOSE(i,j,t), mrem/yr							
-----									
U-234	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
U-235	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
U-238	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
äALL	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
=====									

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	t=	Monte Carlo Dose vs Pathway(i): Plant (Water Dep.) DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----									
U-234									
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
U-235									
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
U-238									
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
äALL									
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
=====		=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo t=	Dose vs Pathway(i):	Meat (Water Dep.)	DOSE(i,j,t), mrem/yr					
				1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
U-234									
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	
U-235									
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	
U-238									
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	
äALL									
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	

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	t=	Monte Carlo Dose vs Pathway(i): Milk (Water Dep.) DOSE(i,j,t), mrem/yr							
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
U-234	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
U-235	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
U-238	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
äALL	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

äALL is total pathway dose summed for all nuclides.





Time Years	Summary of dose at graphical times, reptition 1 Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.13E+00	3.74E+01	1.90E+01	1.91E+01	2.98E+01	3.36E+01	3.58E+01	3.74E+01
1.00E+00	1.08E+00	3.74E+01	1.89E+01	1.91E+01	2.97E+01	3.35E+01	3.57E+01	3.74E+01
1.06E+00	1.08E+00	3.74E+01	1.89E+01	1.91E+01	2.97E+01	3.35E+01	3.57E+01	3.73E+01
1.12E+00	1.07E+00	3.74E+01	1.89E+01	1.91E+01	2.97E+01	3.35E+01	3.57E+01	3.73E+01
1.19E+00	1.07E+00	3.73E+01	1.89E+01	1.91E+01	2.97E+01	3.34E+01	3.57E+01	3.73E+01
1.25E+00	1.07E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.33E+00	1.06E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.40E+00	1.06E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.49E+00	1.06E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.57E+00	1.05E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.66E+00	1.05E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.76E+00	1.04E+00	3.73E+01	1.89E+01	1.91E+01	2.96E+01	3.34E+01	3.57E+01	3.73E+01
1.86E+00	1.04E+00	3.73E+01	1.89E+01	1.90E+01	2.96E+01	3.33E+01	3.57E+01	3.73E+01
1.97E+00	1.03E+00	3.73E+01	1.89E+01	1.90E+01	2.96E+01	3.33E+01	3.57E+01	3.73E+01
2.09E+00	1.03E+00	3.73E+01	1.89E+01	1.90E+01	2.96E+01	3.33E+01	3.57E+01	3.73E+01
2.21E+00	1.02E+00	3.73E+01	1.88E+01	1.90E+01	2.96E+01	3.33E+01	3.57E+01	3.73E+01
2.34E+00	1.02E+00	3.73E+01	1.88E+01	1.90E+01	2.96E+01	3.33E+01	3.56E+01	3.73E+01
2.47E+00	1.01E+00	3.73E+01	1.88E+01	1.90E+01	2.96E+01	3.33E+01	3.56E+01	3.73E+01
2.62E+00	1.00E+00	3.73E+01	1.88E+01	1.90E+01	2.96E+01	3.32E+01	3.56E+01	3.73E+01
2.77E+00	9.94E-01	3.73E+01	1.88E+01	1.90E+01	2.96E+01	3.32E+01	3.56E+01	3.72E+01
2.93E+00	9.86E-01	3.72E+01	1.88E+01	1.90E+01	2.95E+01	3.32E+01	3.56E+01	3.72E+01
3.00E+00	9.83E-01	3.72E+01	1.88E+01	1.90E+01	2.95E+01	3.32E+01	3.56E+01	3.72E+01
3.10E+00	9.77E-01	3.72E+01	1.88E+01	1.90E+01	2.95E+01	3.32E+01	3.56E+01	3.72E+01
3.28E+00	9.68E-01	3.72E+01	1.88E+01	1.90E+01	2.95E+01	3.31E+01	3.56E+01	3.72E+01
3.48E+00	9.59E-01	3.72E+01	1.87E+01	1.90E+01	2.95E+01	3.31E+01	3.56E+01	3.72E+01
3.68E+00	9.48E-01	3.72E+01	1.87E+01	1.89E+01	2.95E+01	3.31E+01	3.56E+01	3.72E+01
3.89E+00	9.37E-01	3.72E+01	1.87E+01	1.89E+01	2.95E+01	3.30E+01	3.56E+01	3.72E+01
4.12E+00	9.25E-01	3.72E+01	1.87E+01	1.89E+01	2.95E+01	3.30E+01	3.55E+01	3.72E+01
4.36E+00	9.13E-01	3.72E+01	1.87E+01	1.89E+01	2.95E+01	3.30E+01	3.55E+01	3.72E+01
4.61E+00	8.99E-01	3.71E+01	1.86E+01	1.89E+01	2.95E+01	3.29E+01	3.55E+01	3.71E+01
4.88E+00	8.85E-01	3.71E+01	1.86E+01	1.89E+01	2.95E+01	3.29E+01	3.55E+01	3.71E+01
5.17E+00	8.70E-01	3.71E+01	1.86E+01	1.89E+01	2.95E+01	3.29E+01	3.55E+01	3.71E+01
5.47E+00	8.54E-01	3.71E+01	1.86E+01	1.88E+01	2.95E+01	3.28E+01	3.55E+01	3.71E+01
5.78E+00	8.36E-01	3.71E+01	1.85E+01	1.88E+01	2.95E+01	3.28E+01	3.55E+01	3.71E+01
6.12E+00	8.17E-01	3.71E+01	1.85E+01	1.88E+01	2.95E+01	3.27E+01	3.54E+01	3.70E+01
6.48E+00	7.97E-01	3.70E+01	1.85E+01	1.87E+01	2.94E+01	3.27E+01	3.54E+01	3.70E+01
6.86E+00	7.75E-01	3.70E+01	1.84E+01	1.87E+01	2.94E+01	3.26E+01	3.54E+01	3.70E+01
7.26E+00	7.52E-01	3.70E+01	1.84E+01	1.86E+01	2.94E+01	3.25E+01	3.54E+01	3.70E+01
7.68E+00	7.27E-01	3.70E+01	1.84E+01	1.86E+01	2.94E+01	3.25E+01	3.54E+01	3.70E+01
8.13E+00	7.00E-01	3.69E+01	1.83E+01	1.85E+01	2.94E+01	3.24E+01	3.53E+01	3.69E+01
8.60E+00	6.70E-01	3.69E+01	1.83E+01	1.85E+01	2.94E+01	3.23E+01	3.53E+01	3.69E+01
9.10E+00	6.38E-01	3.69E+01	1.82E+01	1.84E+01	2.94E+01	3.22E+01	3.53E+01	3.69E+01
9.63E+00	6.03E-01	3.68E+01	1.82E+01	1.84E+01	2.94E+01	3.22E+01	3.52E+01	3.68E+01
1.00E+01	5.78E-01	3.68E+01	1.82E+01	1.84E+01	2.94E+01	3.21E+01	3.52E+01	3.68E+01
1.02E+01	5.65E-01	3.68E+01	1.81E+01	1.84E+01	2.93E+01	3.21E+01	3.52E+01	3.68E+01
1.08E+01	5.23E-01	3.68E+01	1.81E+01	1.83E+01	2.93E+01	3.20E+01	3.52E+01	3.68E+01
1.14E+01	4.76E-01	3.67E+01	1.80E+01	1.83E+01	2.93E+01	3.19E+01	3.51E+01	3.67E+01

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1.21E+01	4.25E-01	3.67E+01	1.80E+01	1.82E+01	2.93E+01	3.18E+01	3.51E+01	3.67E+01
1.28E+01	3.67E-01	3.67E+01	1.79E+01	1.81E+01	2.93E+01	3.18E+01	3.51E+01	3.66E+01
1.35E+01	3.01E-01	3.66E+01	1.78E+01	1.80E+01	2.93E+01	3.18E+01	3.50E+01	3.66E+01
1.43E+01	1.15E-02	3.66E+01	1.78E+01	1.79E+01	2.92E+01	3.17E+01	3.50E+01	3.66E+01
1.51E+01	0.00E+00	3.65E+01	1.77E+01	1.78E+01	2.92E+01	3.17E+01	3.49E+01	3.65E+01
1.60E+01	0.00E+00	3.65E+01	1.76E+01	1.77E+01	2.92E+01	3.17E+01	3.49E+01	3.64E+01
1.70E+01	0.00E+00	3.64E+01	1.75E+01	1.76E+01	2.92E+01	3.17E+01	3.48E+01	3.64E+01
1.80E+01	0.00E+00	3.63E+01	1.74E+01	1.75E+01	2.91E+01	3.17E+01	3.48E+01	3.63E+01
1.90E+01	0.00E+00	3.63E+01	1.73E+01	1.74E+01	2.91E+01	3.16E+01	3.47E+01	3.63E+01
2.01E+01	0.00E+00	3.62E+01	1.72E+01	1.73E+01	2.91E+01	3.16E+01	3.46E+01	3.62E+01
2.13E+01	0.00E+00	3.61E+01	1.71E+01	1.72E+01	2.90E+01	3.16E+01	3.45E+01	3.61E+01
2.25E+01	0.00E+00	3.61E+01	1.70E+01	1.70E+01	2.90E+01	3.15E+01	3.44E+01	3.60E+01
2.38E+01	0.00E+00	3.60E+01	1.68E+01	1.69E+01	2.90E+01	3.15E+01	3.43E+01	3.60E+01
2.52E+01	0.00E+00	3.59E+01	1.67E+01	1.68E+01	2.89E+01	3.15E+01	3.42E+01	3.59E+01
2.67E+01	0.00E+00	3.58E+01	1.65E+01	1.66E+01	2.88E+01	3.14E+01	3.41E+01	3.58E+01
2.82E+01	0.00E+00	3.57E+01	1.63E+01	1.64E+01	2.84E+01	3.14E+01	3.40E+01	3.57E+01
2.99E+01	0.00E+00	3.56E+01	1.62E+01	1.62E+01	2.83E+01	3.14E+01	3.39E+01	3.56E+01
3.00E+01	0.00E+00	3.56E+01	1.62E+01	1.62E+01	2.83E+01	3.14E+01	3.39E+01	3.56E+01
3.16E+01	0.00E+00	3.55E+01	1.60E+01	1.60E+01	2.82E+01	3.13E+01	3.38E+01	3.54E+01
3.35E+01	0.00E+00	3.53E+01	1.58E+01	1.58E+01	2.81E+01	3.13E+01	3.36E+01	3.53E+01
3.54E+01	0.00E+00	3.52E+01	1.56E+01	1.55E+01	2.80E+01	3.12E+01	3.34E+01	3.52E+01
3.75E+01	0.00E+00	3.50E+01	1.53E+01	1.52E+01	2.79E+01	3.12E+01	3.32E+01	3.50E+01
3.97E+01	0.00E+00	3.49E+01	1.51E+01	1.50E+01	2.78E+01	3.11E+01	3.30E+01	3.49E+01
4.20E+01	0.00E+00	3.47E+01	1.48E+01	1.47E+01	2.77E+01	3.10E+01	3.28E+01	3.47E+01
4.44E+01	0.00E+00	3.46E+01	1.45E+01	1.43E+01	2.74E+01	3.10E+01	3.27E+01	3.45E+01
4.70E+01	0.00E+00	3.44E+01	1.42E+01	1.39E+01	2.70E+01	3.07E+01	3.25E+01	3.44E+01
4.97E+01	0.00E+00	3.41E+01	1.39E+01	1.36E+01	2.67E+01	3.02E+01	3.24E+01	3.41E+01
5.26E+01	0.00E+00	3.40E+01	1.35E+01	1.31E+01	2.63E+01	2.97E+01	3.23E+01	3.40E+01
5.57E+01	0.00E+00	3.39E+01	1.31E+01	1.29E+01	2.60E+01	2.92E+01	3.21E+01	3.39E+01
5.90E+01	0.00E+00	3.38E+01	1.27E+01	1.27E+01	2.59E+01	2.90E+01	3.20E+01	3.38E+01
6.24E+01	0.00E+00	3.37E+01	1.23E+01	1.21E+01	2.57E+01	2.87E+01	3.18E+01	3.37E+01
6.60E+01	0.00E+00	3.35E+01	1.18E+01	1.16E+01	2.55E+01	2.85E+01	3.16E+01	3.35E+01
6.99E+01	0.00E+00	3.34E+01	1.13E+01	1.09E+01	2.52E+01	2.82E+01	3.13E+01	3.34E+01
7.39E+01	0.00E+00	3.33E+01	1.08E+01	1.01E+01	2.50E+01	2.75E+01	3.11E+01	3.33E+01
7.82E+01	0.00E+00	3.31E+01	1.03E+01	9.36E+00	2.44E+01	2.66E+01	3.08E+01	3.31E+01
8.28E+01	0.00E+00	3.29E+01	9.73E+00	8.19E+00	2.40E+01	2.60E+01	3.05E+01	3.29E+01
8.76E+01	0.00E+00	3.27E+01	9.19E+00	6.82E+00	2.37E+01	2.57E+01	3.02E+01	3.27E+01
9.27E+01	0.00E+00	3.25E+01	8.64E+00	5.72E+00	2.33E+01	2.54E+01	2.99E+01	3.25E+01
9.81E+01	0.00E+00	3.23E+01	8.10E+00	4.65E+00	2.20E+01	2.50E+01	2.94E+01	3.23E+01
1.00E+02	0.00E+00	3.22E+01	7.91E+00	4.21E+00	2.16E+01	2.49E+01	2.93E+01	3.22E+01
1.04E+02	0.00E+00	3.20E+01	7.54E+00	3.36E+00	2.09E+01	2.47E+01	2.90E+01	3.20E+01
1.10E+02	0.00E+00	3.17E+01	7.01E+00	1.89E+00	1.99E+01	2.42E+01	2.84E+01	3.17E+01
1.16E+02	0.00E+00	3.13E+01	6.46E+00	3.60E-01	1.89E+01	2.38E+01	2.78E+01	3.13E+01
1.23E+02	0.00E+00	3.09E+01	5.87E+00	2.72E-04	1.84E+01	2.32E+01	2.71E+01	3.09E+01
1.30E+02	0.00E+00	3.04E+01	5.28E+00	0.00E+00	1.80E+01	2.26E+01	2.63E+01	3.04E+01
1.38E+02	0.00E+00	2.99E+01	4.66E+00	0.00E+00	1.72E+01	2.16E+01	2.53E+01	2.98E+01
1.46E+02	0.00E+00	2.92E+01	4.09E+00	0.00E+00	1.62E+01	2.04E+01	2.42E+01	2.92E+01
1.54E+02	0.00E+00	2.84E+01	3.57E+00	0.00E+00	1.55E+01	1.89E+01	2.32E+01	2.84E+01
1.63E+02	0.00E+00	2.74E+01	3.06E+00	0.00E+00	1.43E+01	1.69E+01	2.23E+01	2.74E+01
1.73E+02	0.00E+00	2.63E+01	2.58E+00	0.00E+00	1.23E+01	1.51E+01	2.11E+01	2.63E+01
1.83E+02	0.00E+00	2.48E+01	2.10E+00	0.00E+00	1.00E+01	1.32E+01	1.98E+01	2.48E+01



Time Years	Summary of dose at graphical times, reptition 2							
	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.20E+00	4.04E+01	1.90E+01	1.94E+01	3.07E+01	3.51E+01	3.64E+01	4.04E+01
1.00E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.04E+01
1.06E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.04E+01
1.12E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.19E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.25E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.33E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.40E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.49E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.57E+00	2.20E+00	4.04E+01	1.89E+01	1.93E+01	3.06E+01	3.51E+01	3.63E+01	4.03E+01
1.66E+00	2.20E+00	4.04E+01	1.88E+01	1.93E+01	3.05E+01	3.51E+01	3.63E+01	4.03E+01
1.76E+00	2.20E+00	4.04E+01	1.88E+01	1.93E+01	3.05E+01	3.51E+01	3.63E+01	4.03E+01
1.86E+00	2.20E+00	4.04E+01	1.88E+01	1.93E+01	3.05E+01	3.51E+01	3.63E+01	4.03E+01
1.97E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.05E+01	3.51E+01	3.63E+01	4.03E+01
2.09E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.05E+01	3.50E+01	3.63E+01	4.03E+01
2.21E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.05E+01	3.50E+01	3.63E+01	4.03E+01
2.34E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.05E+01	3.50E+01	3.63E+01	4.03E+01
2.47E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.05E+01	3.50E+01	3.63E+01	4.03E+01
2.62E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.04E+01	3.50E+01	3.63E+01	4.03E+01
2.77E+00	2.20E+00	4.04E+01	1.88E+01	1.92E+01	3.04E+01	3.50E+01	3.63E+01	4.03E+01
2.93E+00	2.19E+00	4.04E+01	1.87E+01	1.92E+01	3.04E+01	3.50E+01	3.63E+01	4.03E+01
3.00E+00	2.19E+00	4.03E+01	1.87E+01	1.92E+01	3.04E+01	3.50E+01	3.63E+01	4.03E+01
3.10E+00	2.19E+00	4.03E+01	1.87E+01	1.92E+01	3.04E+01	3.50E+01	3.63E+01	4.03E+01
3.28E+00	2.19E+00	4.03E+01	1.87E+01	1.92E+01	3.04E+01	3.50E+01	3.62E+01	4.03E+01
3.48E+00	2.12E+00	4.03E+01	1.87E+01	1.91E+01	3.03E+01	3.50E+01	3.62E+01	4.03E+01
3.68E+00	2.06E+00	4.03E+01	1.87E+01	1.91E+01	3.03E+01	3.50E+01	3.62E+01	4.03E+01
3.89E+00	1.98E+00	4.03E+01	1.87E+01	1.91E+01	3.03E+01	3.50E+01	3.62E+01	4.03E+01
4.12E+00	1.91E+00	4.03E+01	1.86E+01	1.91E+01	3.03E+01	3.50E+01	3.62E+01	4.03E+01
4.36E+00	1.82E+00	4.03E+01	1.86E+01	1.91E+01	3.02E+01	3.50E+01	3.62E+01	4.03E+01
4.61E+00	1.73E+00	4.03E+01	1.86E+01	1.91E+01	3.02E+01	3.50E+01	3.62E+01	4.03E+01
4.88E+00	1.64E+00	4.03E+01	1.86E+01	1.91E+01	3.01E+01	3.50E+01	3.62E+01	4.03E+01
5.17E+00	1.53E+00	4.03E+01	1.86E+01	1.90E+01	3.01E+01	3.50E+01	3.62E+01	4.03E+01
5.47E+00	1.42E+00	4.03E+01	1.85E+01	1.90E+01	3.00E+01	3.50E+01	3.62E+01	4.03E+01
5.78E+00	1.29E+00	4.03E+01	1.85E+01	1.90E+01	2.99E+01	3.50E+01	3.62E+01	4.03E+01
6.12E+00	1.16E+00	4.03E+01	1.85E+01	1.90E+01	2.99E+01	3.50E+01	3.61E+01	4.03E+01
6.48E+00	1.01E+00	4.03E+01	1.84E+01	1.89E+01	2.98E+01	3.50E+01	3.61E+01	4.02E+01
6.86E+00	8.48E-01	4.03E+01	1.84E+01	1.89E+01	2.97E+01	3.49E+01	3.61E+01	4.02E+01
7.26E+00	6.69E-01	4.03E+01	1.84E+01	1.89E+01	2.96E+01	3.49E+01	3.61E+01	4.02E+01
7.68E+00	4.70E-01	4.03E+01	1.83E+01	1.88E+01	2.95E+01	3.49E+01	3.61E+01	4.02E+01
8.13E+00	2.48E-01	4.03E+01	1.83E+01	1.87E+01	2.94E+01	3.49E+01	3.61E+01	4.02E+01
8.60E+00	6.66E-02	4.02E+01	1.82E+01	1.87E+01	2.93E+01	3.49E+01	3.61E+01	4.02E+01
9.10E+00	0.00E+00	4.02E+01	1.82E+01	1.86E+01	2.92E+01	3.49E+01	3.60E+01	4.02E+01
9.63E+00	0.00E+00	4.02E+01	1.82E+01	1.85E+01	2.91E+01	3.49E+01	3.60E+01	4.02E+01
1.00E+01	0.00E+00	4.02E+01	1.81E+01	1.85E+01	2.90E+01	3.49E+01	3.60E+01	4.02E+01
1.02E+01	0.00E+00	4.02E+01	1.81E+01	1.84E+01	2.90E+01	3.49E+01	3.60E+01	4.02E+01
1.08E+01	0.00E+00	4.02E+01	1.80E+01	1.83E+01	2.89E+01	3.48E+01	3.60E+01	4.02E+01
1.14E+01	0.00E+00	4.02E+01	1.80E+01	1.83E+01	2.88E+01	3.48E+01	3.60E+01	4.01E+01

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1.21E+01	0.00E+00	4.02E+01	1.79E+01	1.82E+01	2.86E+01	3.48E+01	3.59E+01	4.01E+01
1.28E+01	0.00E+00	4.02E+01	1.79E+01	1.80E+01	2.85E+01	3.48E+01	3.59E+01	4.01E+01
1.35E+01	0.00E+00	4.01E+01	1.78E+01	1.79E+01	2.83E+01	3.48E+01	3.59E+01	4.01E+01
1.43E+01	0.00E+00	4.01E+01	1.77E+01	1.78E+01	2.81E+01	3.47E+01	3.58E+01	4.01E+01
1.51E+01	0.00E+00	4.01E+01	1.76E+01	1.77E+01	2.80E+01	3.47E+01	3.58E+01	4.01E+01
1.60E+01	0.00E+00	4.01E+01	1.76E+01	1.75E+01	2.78E+01	3.47E+01	3.58E+01	4.01E+01
1.70E+01	0.00E+00	4.01E+01	1.75E+01	1.74E+01	2.76E+01	3.47E+01	3.57E+01	4.00E+01
1.80E+01	0.00E+00	4.01E+01	1.74E+01	1.72E+01	2.73E+01	3.46E+01	3.57E+01	4.00E+01
1.90E+01	0.00E+00	4.00E+01	1.72E+01	1.70E+01	2.72E+01	3.46E+01	3.56E+01	4.00E+01
2.01E+01	0.00E+00	4.00E+01	1.71E+01	1.69E+01	2.71E+01	3.45E+01	3.56E+01	4.00E+01
2.13E+01	0.00E+00	4.00E+01	1.70E+01	1.67E+01	2.71E+01	3.45E+01	3.55E+01	3.99E+01
2.25E+01	0.00E+00	4.00E+01	1.69E+01	1.64E+01	2.71E+01	3.45E+01	3.54E+01	3.99E+01
2.38E+01	0.00E+00	3.99E+01	1.67E+01	1.63E+01	2.70E+01	3.44E+01	3.53E+01	3.99E+01
2.52E+01	0.00E+00	3.99E+01	1.66E+01	1.61E+01	2.70E+01	3.44E+01	3.53E+01	3.99E+01
2.67E+01	0.00E+00	3.99E+01	1.64E+01	1.59E+01	2.70E+01	3.43E+01	3.52E+01	3.98E+01
2.82E+01	0.00E+00	3.98E+01	1.63E+01	1.57E+01	2.70E+01	3.43E+01	3.51E+01	3.98E+01
2.99E+01	0.00E+00	3.98E+01	1.61E+01	1.55E+01	2.70E+01	3.42E+01	3.50E+01	3.97E+01
3.00E+01	0.00E+00	3.98E+01	1.61E+01	1.55E+01	2.70E+01	3.42E+01	3.50E+01	3.97E+01
3.16E+01	0.00E+00	3.98E+01	1.59E+01	1.54E+01	2.69E+01	3.41E+01	3.49E+01	3.97E+01
3.35E+01	0.00E+00	3.97E+01	1.57E+01	1.54E+01	2.69E+01	3.40E+01	3.48E+01	3.97E+01
3.54E+01	0.00E+00	3.97E+01	1.55E+01	1.52E+01	2.69E+01	3.40E+01	3.47E+01	3.96E+01
3.75E+01	0.00E+00	3.96E+01	1.53E+01	1.50E+01	2.67E+01	3.39E+01	3.47E+01	3.96E+01
3.97E+01	0.00E+00	3.96E+01	1.50E+01	1.46E+01	2.65E+01	3.37E+01	3.46E+01	3.95E+01
4.20E+01	0.00E+00	3.95E+01	1.48E+01	1.45E+01	2.64E+01	3.35E+01	3.45E+01	3.95E+01
4.44E+01	0.00E+00	3.94E+01	1.45E+01	1.42E+01	2.63E+01	3.33E+01	3.45E+01	3.94E+01
4.70E+01	0.00E+00	3.94E+01	1.42E+01	1.37E+01	2.62E+01	3.30E+01	3.43E+01	3.93E+01
4.97E+01	0.00E+00	3.93E+01	1.38E+01	1.31E+01	2.61E+01	3.27E+01	3.42E+01	3.93E+01
5.26E+01	0.00E+00	3.92E+01	1.35E+01	1.27E+01	2.60E+01	3.24E+01	3.40E+01	3.92E+01
5.57E+01	0.00E+00	3.91E+01	1.31E+01	1.24E+01	2.58E+01	3.21E+01	3.39E+01	3.91E+01
5.90E+01	0.00E+00	3.90E+01	1.27E+01	1.18E+01	2.54E+01	3.17E+01	3.37E+01	3.90E+01
6.24E+01	0.00E+00	3.89E+01	1.23E+01	1.13E+01	2.52E+01	3.13E+01	3.35E+01	3.89E+01
6.60E+01	0.00E+00	3.88E+01	1.18E+01	1.07E+01	2.50E+01	3.09E+01	3.33E+01	3.88E+01
6.99E+01	0.00E+00	3.87E+01	1.14E+01	1.01E+01	2.46E+01	3.04E+01	3.31E+01	3.87E+01
7.39E+01	0.00E+00	3.86E+01	1.09E+01	9.50E+00	2.41E+01	2.99E+01	3.28E+01	3.85E+01
7.82E+01	0.00E+00	3.84E+01	1.03E+01	8.83E+00	2.38E+01	2.93E+01	3.26E+01	3.84E+01
8.28E+01	0.00E+00	3.82E+01	9.80E+00	8.33E+00	2.34E+01	2.86E+01	3.23E+01	3.82E+01
8.76E+01	0.00E+00	3.80E+01	9.29E+00	7.77E+00	2.31E+01	2.79E+01	3.20E+01	3.80E+01
9.27E+01	0.00E+00	3.78E+01	8.79E+00	6.51E+00	2.29E+01	2.70E+01	3.16E+01	3.78E+01
9.81E+01	0.00E+00	3.76E+01	8.22E+00	5.52E+00	2.26E+01	2.60E+01	3.12E+01	3.75E+01
1.00E+02	0.00E+00	3.75E+01	8.03E+00	5.02E+00	2.24E+01	2.57E+01	3.11E+01	3.74E+01
1.04E+02	0.00E+00	3.73E+01	7.64E+00	3.95E+00	2.21E+01	2.54E+01	3.08E+01	3.73E+01
1.10E+02	0.00E+00	3.70E+01	7.06E+00	2.30E+00	2.16E+01	2.52E+01	3.03E+01	3.69E+01
1.16E+02	0.00E+00	3.66E+01	6.46E+00	1.94E-03	2.10E+01	2.49E+01	2.98E+01	3.66E+01
1.23E+02	0.00E+00	3.62E+01	5.91E+00	0.00E+00	2.01E+01	2.46E+01	2.91E+01	3.62E+01
1.30E+02	0.00E+00	3.57E+01	5.32E+00	0.00E+00	1.92E+01	2.41E+01	2.84E+01	3.57E+01
1.38E+02	0.00E+00	3.51E+01	4.74E+00	0.00E+00	1.78E+01	2.28E+01	2.76E+01	3.51E+01
1.46E+02	0.00E+00	3.40E+01	4.17E+00	0.00E+00	1.62E+01	2.05E+01	2.66E+01	3.39E+01
1.54E+02	0.00E+00	3.26E+01	3.60E+00	0.00E+00	1.56E+01	1.96E+01	2.55E+01	3.26E+01
1.63E+02	0.00E+00	3.11E+01	3.05E+00	0.00E+00	1.34E+01	1.86E+01	2.42E+01	3.10E+01
1.73E+02	0.00E+00	2.93E+01	2.56E+00	0.00E+00	1.23E+01	1.74E+01	2.29E+01	2.92E+01
1.83E+02	0.00E+00	2.71E+01	2.08E+00	0.00E+00	1.00E+01	1.59E+01	2.15E+01	2.71E+01



Time Years	Summary of dose at graphical times, reptition 3 Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	8.70E-01	3.80E+01	1.89E+01	1.84E+01	3.17E+01	3.35E+01	3.57E+01	3.80E+01
1.00E+00	8.60E-01	3.79E+01	1.89E+01	1.83E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.06E+00	8.60E-01	3.79E+01	1.89E+01	1.83E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.12E+00	8.59E-01	3.79E+01	1.89E+01	1.83E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.19E+00	8.58E-01	3.79E+01	1.88E+01	1.83E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.25E+00	8.58E-01	3.79E+01	1.88E+01	1.83E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.33E+00	8.57E-01	3.79E+01	1.88E+01	1.83E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.40E+00	8.56E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.57E+01	3.79E+01
1.49E+00	8.55E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.79E+01
1.57E+00	8.54E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.79E+01
1.66E+00	8.53E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.79E+01
1.76E+00	8.52E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.79E+01
1.86E+00	8.51E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.79E+01
1.97E+00	8.50E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.78E+01
2.09E+00	8.49E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.78E+01
2.21E+00	8.48E-01	3.79E+01	1.88E+01	1.82E+01	3.17E+01	3.35E+01	3.56E+01	3.78E+01
2.34E+00	8.47E-01	3.78E+01	1.88E+01	1.82E+01	3.17E+01	3.34E+01	3.56E+01	3.78E+01
2.47E+00	8.45E-01	3.78E+01	1.87E+01	1.82E+01	3.17E+01	3.34E+01	3.56E+01	3.78E+01
2.62E+00	8.44E-01	3.78E+01	1.87E+01	1.82E+01	3.17E+01	3.34E+01	3.56E+01	3.78E+01
2.77E+00	8.42E-01	3.78E+01	1.87E+01	1.81E+01	3.17E+01	3.34E+01	3.56E+01	3.78E+01
2.93E+00	8.40E-01	3.78E+01	1.87E+01	1.81E+01	3.17E+01	3.34E+01	3.56E+01	3.78E+01
3.00E+00	8.40E-01	3.78E+01	1.87E+01	1.81E+01	3.17E+01	3.34E+01	3.56E+01	3.78E+01
3.10E+00	8.39E-01	3.78E+01	1.87E+01	1.81E+01	3.16E+01	3.34E+01	3.55E+01	3.78E+01
3.28E+00	8.37E-01	3.78E+01	1.87E+01	1.81E+01	3.16E+01	3.34E+01	3.55E+01	3.78E+01
3.48E+00	8.35E-01	3.78E+01	1.87E+01	1.81E+01	3.16E+01	3.34E+01	3.55E+01	3.78E+01
3.68E+00	8.33E-01	3.78E+01	1.86E+01	1.81E+01	3.16E+01	3.34E+01	3.55E+01	3.78E+01
3.89E+00	8.30E-01	3.78E+01	1.86E+01	1.81E+01	3.16E+01	3.34E+01	3.55E+01	3.77E+01
4.12E+00	8.28E-01	3.77E+01	1.86E+01	1.80E+01	3.16E+01	3.34E+01	3.55E+01	3.77E+01
4.36E+00	8.26E-01	3.77E+01	1.86E+01	1.80E+01	3.16E+01	3.34E+01	3.55E+01	3.77E+01
4.61E+00	8.23E-01	3.77E+01	1.86E+01	1.80E+01	3.16E+01	3.33E+01	3.55E+01	3.77E+01
4.88E+00	8.20E-01	3.77E+01	1.85E+01	1.80E+01	3.16E+01	3.33E+01	3.54E+01	3.77E+01
5.17E+00	8.17E-01	3.77E+01	1.85E+01	1.80E+01	3.16E+01	3.33E+01	3.54E+01	3.77E+01
5.47E+00	8.14E-01	3.77E+01	1.85E+01	1.79E+01	3.16E+01	3.33E+01	3.54E+01	3.77E+01
5.78E+00	8.10E-01	3.77E+01	1.85E+01	1.79E+01	3.16E+01	3.33E+01	3.54E+01	3.76E+01
6.12E+00	8.07E-01	3.76E+01	1.84E+01	1.79E+01	3.15E+01	3.33E+01	3.54E+01	3.76E+01
6.48E+00	8.03E-01	3.76E+01	1.84E+01	1.79E+01	3.15E+01	3.33E+01	3.53E+01	3.76E+01
6.86E+00	7.99E-01	3.76E+01	1.84E+01	1.78E+01	3.15E+01	3.32E+01	3.53E+01	3.76E+01
7.26E+00	7.94E-01	3.76E+01	1.83E+01	1.78E+01	3.15E+01	3.32E+01	3.53E+01	3.76E+01
7.68E+00	7.90E-01	3.76E+01	1.83E+01	1.78E+01	3.15E+01	3.32E+01	3.53E+01	3.75E+01
8.13E+00	7.85E-01	3.75E+01	1.82E+01	1.77E+01	3.15E+01	3.32E+01	3.52E+01	3.75E+01
8.60E+00	7.79E-01	3.75E+01	1.82E+01	1.77E+01	3.14E+01	3.32E+01	3.52E+01	3.75E+01
9.10E+00	7.74E-01	3.75E+01	1.81E+01	1.76E+01	3.14E+01	3.31E+01	3.52E+01	3.75E+01
9.63E+00	4.85E-01	3.74E+01	1.81E+01	1.76E+01	3.14E+01	3.31E+01	3.51E+01	3.74E+01
1.00E+01	2.00E-01	3.74E+01	1.81E+01	1.76E+01	3.14E+01	3.31E+01	3.51E+01	3.74E+01
1.02E+01	1.01E-01	3.74E+01	1.80E+01	1.76E+01	3.14E+01	3.31E+01	3.51E+01	3.74E+01
1.08E+01	0.00E+00	3.74E+01	1.80E+01	1.76E+01	3.13E+01	3.31E+01	3.51E+01	3.74E+01
1.14E+01	0.00E+00	3.73E+01	1.79E+01	1.75E+01	3.13E+01	3.30E+01	3.50E+01	3.73E+01

1.21E+01	0.00E+00	3.73E+01	1.79E+01	1.75E+01	3.13E+01	3.30E+01	3.50E+01	3.73E+01
1.28E+01	0.00E+00	3.73E+01	1.78E+01	1.75E+01	3.13E+01	3.29E+01	3.49E+01	3.73E+01
1.35E+01	0.00E+00	3.72E+01	1.77E+01	1.74E+01	3.12E+01	3.29E+01	3.49E+01	3.72E+01
1.43E+01	0.00E+00	3.72E+01	1.77E+01	1.73E+01	3.12E+01	3.28E+01	3.48E+01	3.72E+01
1.51E+01	0.00E+00	3.71E+01	1.76E+01	1.72E+01	3.11E+01	3.28E+01	3.48E+01	3.71E+01
1.60E+01	0.00E+00	3.71E+01	1.75E+01	1.71E+01	3.11E+01	3.27E+01	3.47E+01	3.71E+01
1.70E+01	0.00E+00	3.70E+01	1.74E+01	1.70E+01	3.10E+01	3.26E+01	3.46E+01	3.70E+01
1.80E+01	0.00E+00	3.70E+01	1.73E+01	1.69E+01	3.09E+01	3.26E+01	3.46E+01	3.70E+01
1.90E+01	0.00E+00	3.69E+01	1.72E+01	1.67E+01	3.08E+01	3.25E+01	3.45E+01	3.69E+01
2.01E+01	0.00E+00	3.68E+01	1.71E+01	1.64E+01	3.07E+01	3.24E+01	3.44E+01	3.68E+01
2.13E+01	0.00E+00	3.68E+01	1.70E+01	1.62E+01	3.05E+01	3.23E+01	3.43E+01	3.68E+01
2.25E+01	0.00E+00	3.67E+01	1.68E+01	1.58E+01	3.04E+01	3.22E+01	3.42E+01	3.67E+01
2.38E+01	0.00E+00	3.66E+01	1.67E+01	1.56E+01	3.02E+01	3.21E+01	3.41E+01	3.66E+01
2.52E+01	0.00E+00	3.65E+01	1.66E+01	1.54E+01	3.00E+01	3.20E+01	3.40E+01	3.65E+01
2.67E+01	0.00E+00	3.64E+01	1.64E+01	1.52E+01	2.98E+01	3.19E+01	3.39E+01	3.64E+01
2.82E+01	0.00E+00	3.63E+01	1.62E+01	1.50E+01	2.96E+01	3.18E+01	3.38E+01	3.63E+01
2.99E+01	0.00E+00	3.62E+01	1.60E+01	1.48E+01	2.94E+01	3.16E+01	3.37E+01	3.62E+01
3.00E+01	0.00E+00	3.62E+01	1.60E+01	1.47E+01	2.94E+01	3.16E+01	3.37E+01	3.62E+01
3.16E+01	0.00E+00	3.61E+01	1.58E+01	1.46E+01	2.93E+01	3.15E+01	3.36E+01	3.61E+01
3.35E+01	0.00E+00	3.60E+01	1.56E+01	1.43E+01	2.92E+01	3.14E+01	3.36E+01	3.60E+01
3.54E+01	0.00E+00	3.59E+01	1.54E+01	1.40E+01	2.91E+01	3.12E+01	3.35E+01	3.59E+01
3.75E+01	0.00E+00	3.57E+01	1.52E+01	1.38E+01	2.89E+01	3.10E+01	3.34E+01	3.57E+01
3.97E+01	0.00E+00	3.56E+01	1.49E+01	1.36E+01	2.88E+01	3.08E+01	3.33E+01	3.56E+01
4.20E+01	0.00E+00	3.54E+01	1.47E+01	1.32E+01	2.87E+01	3.05E+01	3.32E+01	3.54E+01
4.44E+01	0.00E+00	3.52E+01	1.44E+01	1.28E+01	2.85E+01	3.01E+01	3.30E+01	3.52E+01
4.70E+01	0.00E+00	3.51E+01	1.41E+01	1.24E+01	2.83E+01	2.99E+01	3.29E+01	3.50E+01
4.97E+01	0.00E+00	3.48E+01	1.38E+01	1.23E+01	2.81E+01	2.98E+01	3.28E+01	3.48E+01
5.26E+01	0.00E+00	3.46E+01	1.35E+01	1.17E+01	2.79E+01	2.96E+01	3.26E+01	3.46E+01
5.57E+01	0.00E+00	3.44E+01	1.31E+01	1.08E+01	2.78E+01	2.93E+01	3.24E+01	3.44E+01
5.90E+01	0.00E+00	3.41E+01	1.27E+01	1.02E+01	2.76E+01	2.90E+01	3.22E+01	3.41E+01
6.24E+01	0.00E+00	3.40E+01	1.23E+01	9.82E+00	2.72E+01	2.88E+01	3.20E+01	3.40E+01
6.60E+01	0.00E+00	3.38E+01	1.18E+01	9.48E+00	2.69E+01	2.86E+01	3.17E+01	3.38E+01
6.99E+01	0.00E+00	3.36E+01	1.13E+01	9.19E+00	2.67E+01	2.84E+01	3.14E+01	3.36E+01
7.39E+01	0.00E+00	3.34E+01	1.09E+01	8.54E+00	2.64E+01	2.81E+01	3.10E+01	3.34E+01
7.82E+01	0.00E+00	3.31E+01	1.04E+01	7.68E+00	2.59E+01	2.79E+01	3.07E+01	3.31E+01
8.28E+01	0.00E+00	3.29E+01	9.90E+00	7.03E+00	2.54E+01	2.75E+01	3.02E+01	3.29E+01
8.76E+01	0.00E+00	3.26E+01	9.39E+00	6.06E+00	2.48E+01	2.71E+01	2.98E+01	3.26E+01
9.27E+01	0.00E+00	3.23E+01	8.87E+00	5.33E+00	2.43E+01	2.66E+01	2.92E+01	3.23E+01
9.81E+01	0.00E+00	3.19E+01	8.33E+00	4.62E+00	2.37E+01	2.62E+01	2.86E+01	3.19E+01
1.00E+02	0.00E+00	3.18E+01	8.14E+00	4.31E+00	2.36E+01	2.60E+01	2.84E+01	3.18E+01
1.04E+02	0.00E+00	3.15E+01	7.77E+00	3.20E+00	2.33E+01	2.57E+01	2.79E+01	3.15E+01
1.10E+02	0.00E+00	3.11E+01	7.19E+00	1.98E+00	2.27E+01	2.53E+01	2.71E+01	3.10E+01
1.16E+02	0.00E+00	3.05E+01	6.62E+00	8.87E-02	2.23E+01	2.48E+01	2.62E+01	3.05E+01
1.23E+02	0.00E+00	2.99E+01	6.06E+00	0.00E+00	2.15E+01	2.41E+01	2.53E+01	2.99E+01
1.30E+02	0.00E+00	2.93E+01	5.49E+00	0.00E+00	2.06E+01	2.33E+01	2.44E+01	2.92E+01
1.38E+02	0.00E+00	2.85E+01	4.92E+00	0.00E+00	1.97E+01	2.23E+01	2.32E+01	2.84E+01
1.46E+02	0.00E+00	2.75E+01	4.33E+00	0.00E+00	1.87E+01	2.09E+01	2.24E+01	2.75E+01
1.54E+02	0.00E+00	2.64E+01	3.77E+00	0.00E+00	1.78E+01	1.99E+01	2.19E+01	2.64E+01
1.63E+02	0.00E+00	2.51E+01	3.21E+00	0.00E+00	1.59E+01	1.85E+01	2.12E+01	2.51E+01
1.73E+02	0.00E+00	2.35E+01	2.62E+00	0.00E+00	1.41E+01	1.71E+01	2.04E+01	2.35E+01
1.83E+02	0.00E+00	2.15E+01	2.07E+00	0.00E+00	1.17E+01	1.58E+01	1.95E+01	2.15E+01





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Repetition	Peak of the mean dose (averaged over observations) at graphical times	
	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.902E+01
2	0.000E+00	1.898E+01
3	0.000E+00	1.895E+01

Coefficients for peak of mean dose time Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =		1		1		1		1	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	11	-0.10	16	-0.03	22	-0.04	22	-0.01
Runoff coefficient		20	0.04	23	0.01	20	0.06	20	0.02
Wind Speed		9	0.13	13	0.03	21	0.05	21	0.01
Well pump intake depth		18	0.05	21	0.01	23	0.02	23	0.00
Inhalation rate		24	0.01	24	0.00	19	-0.09	19	-0.03
Soil ingestion		6	0.23	12	0.06	18	0.10	18	0.03
Thickness of Unsaturated zone 2	2	5	-0.29	10	-0.08	4	-0.31	16	-0.10
Kd of U-234 in Contaminated Zone		23	0.01	22	0.01	17	0.12	6	0.22
Kd of U-234 in Unsaturated Zone 1	1	10	-0.11	3	-0.24	6	-0.19	3	-0.31
Kd of U-234 in Unsaturated Zone 2	2	8	0.19	7	0.13	11	-0.16	4	-0.25
Kd of U-234 in Saturated Zone		16	0.08	11	0.07	8	0.18	5	0.25
Kd of U-235 in Contaminated Zone		19	-0.04	17	-0.03	16	-0.12	14	-0.14
Kd of U-235 in Unsaturated Zone 1	1	12	0.10	5	0.14	14	0.14	12	0.15
Kd of U-235 in Unsaturated Zone 2	2	13	-0.08	15	-0.03	9	0.17	8	0.19
Kd of U-235 in Saturated Zone		17	-0.07	14	-0.03	10	-0.17	11	-0.15
Kd of U-238 in Contaminated Zone		21	-0.03	19	-0.02	13	-0.14	9	-0.18
Kd of U-238 in Unsaturated Zone 1	1	14	0.08	8	0.12	7	0.19	7	0.19
Kd of U-238 in Unsaturated Zone 2	2	7	-0.23	4	-0.14	15	0.13	15	0.13
Kd of U-238 in Saturated Zone		22	-0.02	20	-0.02	12	-0.15	13	-0.14
Thickness of contaminated zone		2	0.84	2	0.41	2	0.83	2	0.43
Aquatic food		15	-0.08	18	-0.02	24	0.00	24	0.00
Depth of soil mixing layer		3	-0.43	6	-0.13	3	-0.47	10	-0.16
Mass loading for inhalation		4	0.32	9	0.09	5	0.30	17	0.09
Outdoor time fraction		1	0.95	1	0.86	1	0.94	1	0.83
R-SQUARE		0.93		0.93		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.

Coefficients for peak of mean dose time Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	17	-0.09	20	-0.02	19	-0.08	21	-0.02
Runoff coefficient		9	-0.20	13	-0.05	10	-0.20	17	-0.05
Wind Speed		13	-0.14	17	-0.03	9	-0.22	15	-0.06
Well pump intake depth		18	0.07	21	0.02	23	0.02	24	0.00
Inhalation rate		7	0.20	12	0.05	11	0.18	18	0.05
Soil ingestion		11	0.16	16	0.04	8	0.22	16	0.06
Thickness of Unsaturated zone 2	2	15	0.12	18	0.03	22	0.03	22	0.01
Kd of U-234 in Contaminated Zone		19	-0.06	11	-0.06	6	-0.27	3	-0.38
Kd of U-234 in Unsaturated Zone 1	1	14	0.13	3	0.31	14	0.15	6	0.25
Kd of U-234 in Unsaturated Zone 2	2	22	-0.04	22	-0.02	20	0.05	14	0.07
Kd of U-234 in Saturated Zone		4	0.37	4	0.26	12	-0.18	5	-0.25
Kd of U-235 in Contaminated Zone		23	0.03	19	0.02	7	0.23	7	0.21
Kd of U-235 in Unsaturated Zone 1	1	16	-0.11	7	-0.17	18	-0.12	10	-0.14
Kd of U-235 in Unsaturated Zone 2	2	8	0.20	9	0.09	21	-0.04	19	-0.04
Kd of U-235 in Saturated Zone		3	-0.46	6	-0.23	15	0.15	9	0.15
Kd of U-238 in Contaminated Zone		20	0.06	15	0.04	5	0.27	4	0.27
Kd of U-238 in Unsaturated Zone 1	1	12	-0.15	5	-0.24	13	-0.17	8	-0.18
Kd of U-238 in Unsaturated Zone 2	2	24	0.00	24	0.00	24	-0.01	23	-0.01
Kd of U-238 in Saturated Zone		6	-0.27	8	-0.14	16	0.14	11	0.13
Thickness of contaminated zone		2	0.88	2	0.41	2	0.84	2	0.39
Aquatic food		21	0.04	23	0.01	17	0.13	20	0.03
Depth of soil mixing layer		5	-0.30	10	-0.07	3	-0.29	12	-0.08
Mass loading for inhalation		10	0.19	14	0.04	4	0.28	13	0.08
Outdoor time fraction		1	0.97	1	0.87	1	0.96	1	0.84
R-SQUARE		0.95		0.95		0.94		0.94	

-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.

Coefficients for peak of mean dose time Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	18	0.03	21	0.01	20	-0.05	21	-0.01
Runoff coefficient		22	-0.01	22	0.00	15	-0.07	19	-0.02
Wind Speed		5	-0.24	10	-0.06	3	-0.29	8	-0.08
Well pump intake depth		10	0.17	12	0.04	11	0.16	17	0.04
Inhalation rate		3	0.29	8	0.08	5	0.25	11	0.07
Soil ingestion		4	0.24	9	0.07	4	0.28	10	0.08
Thickness of Unsaturated zone 2	2	23	0.01	23	0.00	16	0.06	20	0.02
Kd of U-234 in Contaminated Zone		19	0.03	16	0.02	10	-0.16	3	-0.27
Kd of U-234 in Unsaturated Zone 1	1	6	-0.18	2	-0.50	23	-0.01	23	-0.01
Kd of U-234 in Unsaturated Zone 2	2	12	0.14	7	0.12	19	-0.05	9	-0.08
Kd of U-234 in Saturated Zone		17	-0.03	17	-0.01	14	-0.11	5	-0.17
Kd of U-235 in Contaminated Zone		24	0.00	24	0.00	12	0.15	6	0.17
Kd of U-235 in Unsaturated Zone 1	1	9	0.18	4	0.31	24	0.00	24	0.00
Kd of U-235 in Unsaturated Zone 2	2	8	-0.18	6	-0.13	22	0.01	22	0.01
Kd of U-235 in Saturated Zone		16	-0.03	18	-0.01	13	0.11	7	0.12
Kd of U-238 in Contaminated Zone		21	0.02	19	0.01	6	0.19	4	0.23
Kd of U-238 in Unsaturated Zone 1	1	11	0.16	5	0.29	21	-0.03	18	-0.04
Kd of U-238 in Unsaturated Zone 2	2	15	-0.07	13	-0.04	18	0.06	13	0.06
Kd of U-238 in Saturated Zone		20	-0.02	20	-0.01	17	0.06	12	0.06
Thickness of contaminated zone		2	0.85	3	0.44	2	0.85	2	0.42
Aquatic food		13	-0.13	14	-0.03	9	-0.16	16	-0.04
Depth of soil mixing layer		7	-0.18	11	-0.05	7	-0.19	14	-0.05
Mass loading for inhalation		14	0.12	15	0.03	8	-0.18	15	-0.05
Outdoor time fraction		1	0.96	1	0.86	1	0.95	1	0.84
R-SQUARE		0.94		0.94		0.93		0.93	

-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.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	11	-0.10	16	-0.03	22	-0.04	22	-0.01
Runoff coefficient	20	0.04	22	0.01	20	0.06	20	0.02
Wind Speed	9	0.13	13	0.03	21	0.05	21	0.01
Well pump intake depth	18	0.05	21	0.01	23	0.02	23	0.00
Inhalation rate	24	0.01	24	0.00	19	-0.09	19	-0.03
Soil ingestion	6	0.23	12	0.06	18	0.10	18	0.03
Thickness of Unsaturated zone 2	5	-0.29	10	-0.08	4	-0.31	16	-0.10
Kd of U-234 in Contaminated Zone	23	0.01	23	0.01	17	0.12	6	0.22
Kd of U-234 in Unsaturated Zone 1	10	-0.11	3	-0.24	6	-0.19	3	-0.31
Kd of U-234 in Unsaturated Zone 2	8	0.19	7	0.13	11	-0.16	4	-0.25
Kd of U-234 in Saturated Zone	16	0.08	11	0.07	8	0.18	5	0.25
Kd of U-235 in Contaminated Zone	19	-0.04	17	-0.03	16	-0.12	14	-0.14
Kd of U-235 in Unsaturated Zone 1	12	0.10	5	0.14	14	0.14	12	0.15
Kd of U-235 in Unsaturated Zone 2	13	-0.08	15	-0.03	9	0.17	8	0.19
Kd of U-235 in Saturated Zone	17	-0.07	14	-0.03	10	-0.17	11	-0.15
Kd of U-238 in Contaminated Zone	21	-0.03	19	-0.02	13	-0.14	9	-0.18
Kd of U-238 in Unsaturated Zone 1	14	0.08	8	0.12	7	0.19	7	0.19
Kd of U-238 in Unsaturated Zone 2	7	-0.23	4	-0.14	15	0.13	15	0.13
Kd of U-238 in Saturated Zone	22	-0.02	20	-0.02	12	-0.15	13	-0.14
Thickness of contaminated zone	2	0.84	2	0.41	2	0.83	2	0.43
Aquatic food	15	-0.08	18	-0.02	24	0.00	24	0.00
Depth of soil mixing layer	3	-0.43	6	-0.13	3	-0.47	10	-0.16
Mass loading for inhalation	4	0.32	9	0.09	5	0.30	17	0.09
Outdoor time fraction	1	0.95	1	0.86	1	0.94	1	0.83
R-SQUARE	0.93		0.93		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.

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
Thickness of Unsaturated zone 1	17 -0.09	20 -0.02	19 -0.08	21 -0.02
Runoff coefficient	9 -0.20	14 -0.05	10 -0.21	17 -0.05
Wind Speed	14 -0.13	17 -0.03	9 -0.22	15 -0.06
Well pump intake depth	18 0.07	21 0.02	24 0.00	24 0.00
Inhalation rate	7 0.20	12 0.05	11 0.18	18 0.05
Soil ingestion	12 0.16	16 0.04	8 0.22	16 0.06
Thickness of Unsaturated zone 2	16 0.12	18 0.03	22 0.01	23 0.00
Kd of U-234 in Contaminated Zone	20 -0.06	11 -0.07	6 -0.27	3 -0.37
Kd of U-234 in Unsaturated Zone 1	13 0.14	3 0.34	15 0.14	6 0.23
Kd of U-234 in Unsaturated Zone 2	23 -0.03	22 -0.01	20 0.04	14 0.06
Kd of U-234 in Saturated Zone	4 0.37	4 0.26	12 -0.17	5 -0.24
Kd of U-235 in Contaminated Zone	22 0.04	19 0.03	7 0.22	7 0.20
Kd of U-235 in Unsaturated Zone 1	15 -0.12	7 -0.19	18 -0.11	10 -0.13
Kd of U-235 in Unsaturated Zone 2	8 0.20	9 0.09	21 -0.04	19 -0.03
Kd of U-235 in Saturated Zone	3 -0.45	6 -0.22	14 0.15	9 0.14
Kd of U-238 in Contaminated Zone	19 0.07	13 0.05	5 0.28	4 0.27
Kd of U-238 in Unsaturated Zone 1	11 -0.16	5 -0.25	13 -0.15	8 -0.16
Kd of U-238 in Unsaturated Zone 2	24 -0.01	24 0.00	23 -0.01	22 -0.01
Kd of U-238 in Saturated Zone	6 -0.27	8 -0.14	17 0.13	11 0.12
Thickness of contaminated zone	2 0.88	2 0.42	2 0.85	2 0.40
Aquatic food	21 0.05	23 0.01	16 0.14	20 0.03
Depth of soil mixing layer	5 -0.31	10 -0.07	3 -0.30	12 -0.08
Mass loading for inhalation	10 0.19	15 0.04	4 0.29	13 0.08
Outdoor time fraction	1 0.97	1 0.87	1 0.96	1 0.84
R-SQUARE	0.95	0.95	0.94	0.94

-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.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	18	0.03	21	0.01	20	-0.05	22	-0.01
Runoff coefficient	22	-0.01	22	0.00	15	-0.07	19	-0.02
Wind Speed	5	-0.24	10	-0.06	3	-0.29	8	-0.08
Well pump intake depth	10	0.17	12	0.04	11	0.16	17	0.04
Inhalation rate	3	0.29	8	0.08	5	0.25	11	0.07
Soil ingestion	4	0.24	9	0.07	4	0.28	10	0.08
Thickness of Unsaturated zone 2	23	0.01	23	0.00	16	0.06	20	0.02
Kd of U-234 in Contaminated Zone	19	0.03	16	0.02	10	-0.16	3	-0.27
Kd of U-234 in Unsaturated Zone 1	6	-0.18	2	-0.50	23	-0.01	21	-0.01
Kd of U-234 in Unsaturated Zone 2	12	0.14	7	0.12	19	-0.05	9	-0.08
Kd of U-234 in Saturated Zone	17	-0.03	17	-0.01	14	-0.11	5	-0.17
Kd of U-235 in Contaminated Zone	24	0.00	24	0.00	12	0.15	6	0.17
Kd of U-235 in Unsaturated Zone 1	9	0.18	4	0.31	24	0.00	24	0.00
Kd of U-235 in Unsaturated Zone 2	8	-0.18	6	-0.13	22	0.01	23	0.01
Kd of U-235 in Saturated Zone	16	-0.03	18	-0.01	13	0.11	7	0.12
Kd of U-238 in Contaminated Zone	21	0.02	19	0.01	6	0.19	4	0.23
Kd of U-238 in Unsaturated Zone 1	11	0.16	5	0.29	21	-0.03	18	-0.04
Kd of U-238 in Unsaturated Zone 2	15	-0.07	13	-0.04	18	0.06	13	0.06
Kd of U-238 in Saturated Zone	20	-0.02	20	-0.01	17	0.06	12	0.06
Thickness of contaminated zone	2	0.85	3	0.44	2	0.85	2	0.43
Aquatic food	13	-0.13	14	-0.03	9	-0.16	16	-0.04
Depth of soil mixing layer	7	-0.18	11	-0.05	7	-0.19	14	-0.05
Mass loading for inhalation	14	0.12	15	0.03	8	-0.18	15	-0.05
Outdoor time fraction	1	0.96	1	0.86	1	0.95	1	0.84
R-SQUARE	0.94		0.94		0.93		0.93	

-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.



Coefficients for peak External Ground Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =		1		1		1		1	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	5	-0.15	12	-0.04	22	-0.04	23	-0.01
Runoff coefficient		23	0.01	23	0.00	23	0.03	24	0.01
Wind Speed		9	0.13	14	0.03	13	0.12	17	0.04
Well pump intake depth		21	0.02	22	0.00	21	-0.05	22	-0.01
Inhalation rate		14	-0.08	19	-0.02	6	-0.18	15	-0.05
Soil ingestion		24	0.01	24	0.00	20	-0.06	20	-0.02
Thickness of Unsaturated zone 2	2	3	-0.26	9	-0.07	3	-0.24	14	-0.07
Kd of U-234 in Contaminated Zone		22	0.01	21	0.01	11	0.12	4	0.23
Kd of U-234 in Unsaturated Zone 1	1	13	-0.09	3	-0.18	12	-0.12	5	-0.19
Kd of U-234 in Unsaturated Zone 2	2	6	0.15	7	0.10	18	-0.07	11	-0.11
Kd of U-234 in Saturated Zone		8	0.14	5	0.12	4	0.20	3	0.27
Kd of U-235 in Contaminated Zone		19	-0.04	16	-0.03	10	-0.13	9	-0.15
Kd of U-235 in Unsaturated Zone 1	1	16	0.08	6	0.10	16	0.08	12	0.09
Kd of U-235 in Unsaturated Zone 2	2	17	-0.06	17	-0.02	17	0.08	13	0.08
Kd of U-235 in Saturated Zone		11	-0.10	11	-0.05	7	-0.18	7	-0.16
Kd of U-238 in Contaminated Zone		20	-0.03	18	-0.02	9	-0.14	6	-0.18
Kd of U-238 in Unsaturated Zone 1	1	18	0.06	8	0.08	14	0.12	10	0.12
Kd of U-238 in Unsaturated Zone 2	2	4	-0.21	4	-0.13	24	0.02	21	0.02
Kd of U-238 in Saturated Zone		12	-0.09	10	-0.06	8	-0.16	8	-0.15
Thickness of contaminated zone		2	0.83	2	0.38	2	0.80	2	0.38
Aquatic food		15	-0.08	20	-0.02	19	-0.06	19	-0.02
Depth of soil mixing layer		7	-0.15	13	-0.04	5	-0.18	16	-0.05
Mass loading for inhalation		10	0.12	15	0.03	15	0.08	18	0.02
Outdoor time fraction		1	0.96	1	0.89	1	0.95	1	0.87
R-SQUARE		0.94		0.94		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.

Coefficients for peak External Ground Dose				
Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	14 -0.08	17 -0.02	12 -0.09	16 -0.02
Runoff coefficient	9 -0.14	11 -0.03	8 -0.13	14 -0.03
Wind Speed	15 -0.07	19 -0.01	11 -0.11	15 -0.03
Well pump intake depth	16 0.06	20 0.01	21 -0.02	22 0.00
Inhalation rate	13 0.08	15 0.02	18 0.06	19 0.01
Soil ingestion	18 -0.04	22 -0.01	24 0.00	24 0.00
Thickness of Unsaturated zone 2	10 0.13	12 0.03	20 0.03	21 0.01
Kd of U-234 in Contaminated Zone	21 0.02	14 0.02	4 -0.22	3 -0.29
Kd of U-234 in Unsaturated Zone 1	8 0.15	3 0.32	16 0.07	7 0.11
Kd of U-234 in Unsaturated Zone 2	19 0.04	16 0.02	22 -0.01	20 -0.01
Kd of U-234 in Saturated Zone	4 0.34	5 0.22	7 -0.15	5 -0.20
Kd of U-235 in Contaminated Zone	20 -0.04	13 -0.03	5 0.20	6 0.17
Kd of U-235 in Unsaturated Zone 1	11 -0.13	7 -0.18	19 -0.03	13 -0.03
Kd of U-235 in Unsaturated Zone 2	12 0.08	10 0.03	23 0.00	23 0.00
Kd of U-235 in Saturated Zone	3 -0.45	6 -0.21	10 0.11	9 0.10
Kd of U-238 in Contaminated Zone	22 -0.02	18 -0.01	3 0.24	4 0.22
Kd of U-238 in Unsaturated Zone 1	6 -0.16	4 -0.24	13 -0.09	10 -0.09
Kd of U-238 in Unsaturated Zone 2	24 0.00	24 0.00	17 0.06	11 0.05
Kd of U-238 in Saturated Zone	5 -0.25	8 -0.12	9 0.12	8 0.11
Thickness of contaminated zone	2 0.86	2 0.36	2 0.83	2 0.36
Aquatic food	23 -0.01	23 0.00	14 0.08	17 0.02
Depth of soil mixing layer	7 0.15	9 0.03	6 0.17	12 0.04
Mass loading for inhalation	17 -0.05	21 -0.01	15 0.07	18 0.02
Outdoor time fraction	1 0.97	1 0.91	1 0.97	1 0.89
R-SQUARE	0.96	0.96	0.95	0.95

-Rank is set to zero if the dose is zero or the correlation matrix is singular.  
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	24 0.00	24 0.00	17 -0.06	22 -0.02
Runoff coefficient	21 -0.03	22 -0.01	13 -0.08	21 -0.02
Wind Speed	3 -0.28	8 -0.07	4 -0.28	10 -0.08
Well pump intake depth	7 0.20	9 0.05	7 0.17	14 0.05
Inhalation rate	8 0.18	10 0.04	8 0.16	15 0.04
Soil ingestion	16 0.05	17 0.01	11 0.12	16 0.03
Thickness of Unsaturated zone 2	15 0.06	15 0.02	18 0.06	23 0.02
Kd of U-234 in Contaminated Zone	23 0.01	23 0.00	9 -0.15	3 -0.24
Kd of U-234 in Unsaturated Zone 1	4 -0.23	2 -0.59	24 0.00	24 0.00
Kd of U-234 in Unsaturated Zone 2	12 0.14	7 0.11	16 -0.06	7 -0.10
Kd of U-234 in Saturated Zone	18 -0.04	16 -0.01	14 -0.08	6 -0.12
Kd of U-235 in Contaminated Zone	22 0.02	21 0.01	10 0.13	5 0.14
Kd of U-235 in Unsaturated Zone 1	5 0.21	4 0.37	21 -0.03	17 -0.03
Kd of U-235 in Unsaturated Zone 2	10 -0.17	6 -0.12	22 0.03	19 0.03
Kd of U-235 in Saturated Zone	17 -0.04	20 -0.01	15 0.08	9 0.08
Kd of U-238 in Contaminated Zone	20 0.03	18 0.01	6 0.18	4 0.20
Kd of U-238 in Unsaturated Zone 1	6 0.21	5 0.36	23 -0.02	18 -0.03
Kd of U-238 in Unsaturated Zone 2	14 -0.07	13 -0.04	20 0.06	12 0.05
Kd of U-238 in Saturated Zone	19 0.04	19 0.01	19 0.06	11 0.06
Thickness of contaminated zone	2 0.84	3 0.40	2 0.83	2 0.39
Aquatic food	9 -0.17	11 -0.04	5 -0.19	13 -0.05
Depth of soil mixing layer	11 0.15	12 0.04	12 0.10	20 0.03
Mass loading for inhalation	13 -0.10	14 -0.02	3 -0.32	8 -0.09
Outdoor time fraction	1 0.96	1 0.88	1 0.96	1 0.87
R-SQUARE	0.94	0.94	0.93	0.93

-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.

Coefficients for peak Inhalation particles Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	14	0.05	18	0.03	24	-0.02	24	-0.01
Runoff coefficient		13	0.07	15	0.03	8	0.20	18	0.06
Wind Speed		17	-0.04	21	-0.02	15	-0.17	20	-0.05
Well pump intake depth		6	0.20	10	0.10	16	0.15	21	0.04
Inhalation rate		5	0.37	8	0.18	5	0.46	13	0.16
Soil ingestion		24	-0.01	24	0.00	22	0.08	22	0.02
Thickness of Unsaturated zone 2	2	7	-0.16	12	-0.08	9	-0.20	19	-0.06
Kd of U-234 in Contaminated Zone		22	-0.01	19	-0.02	21	0.09	12	0.17
Kd of U-234 in Unsaturated Zone 1	1	9	-0.14	1	-0.53	13	-0.19	6	-0.30
Kd of U-234 in Unsaturated Zone 2	2	12	0.09	9	0.11	11	-0.20	5	-0.31
Kd of U-234 in Saturated Zone		19	-0.03	14	-0.05	14	0.17	7	0.23
Kd of U-235 in Contaminated Zone		20	0.02	16	0.03	19	-0.11	16	-0.13
Kd of U-235 in Unsaturated Zone 1	1	10	0.11	7	0.28	17	0.13	15	0.14
Kd of U-235 in Unsaturated Zone 2	2	16	-0.04	17	-0.03	12	0.20	8	0.22
Kd of U-235 in Saturated Zone		21	-0.02	20	-0.02	10	-0.20	11	-0.18
Kd of U-238 in Contaminated Zone		23	0.01	23	0.01	18	-0.12	14	-0.16
Kd of U-238 in Unsaturated Zone 1	1	8	0.14	5	0.36	6	0.21	9	0.22
Kd of U-238 in Unsaturated Zone 2	2	11	-0.09	11	-0.10	7	0.20	10	0.21
Kd of U-238 in Saturated Zone		15	0.04	13	0.05	20	-0.11	17	-0.10
Thickness of contaminated zone		4	0.60	6	0.35	1	0.88	1	0.53
Aquatic food		18	0.03	22	0.01	23	0.08	23	0.02
Depth of soil mixing layer		2	-0.68	3	-0.44	2	-0.84	2	-0.46
Mass loading for inhalation		1	0.74	2	0.51	4	0.83	4	0.43
Outdoor time fraction		3	0.64	4	0.41	3	0.84	3	0.44
R-SQUARE		0.80		0.80		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.

Coefficients for peak Inhalation particles Dose				
Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	23 -0.03	23 -0.01	22 -0.02	23 -0.01
Runoff coefficient	8 -0.24	18 -0.11	10 -0.15	16 -0.06
Wind Speed	6 -0.29	15 -0.14	6 -0.32	11 -0.12
Well pump intake depth	19 0.07	20 0.03	18 -0.05	21 -0.02
Inhalation rate	5 0.42	12 0.22	5 0.57	7 0.25
Soil ingestion	22 -0.06	22 -0.03	11 0.15	17 0.05
Thickness of Unsaturated zone 2	21 0.07	21 0.03	19 0.04	22 0.02
Kd of U-234 in Contaminated Zone	9 -0.18	6 -0.39	13 -0.13	6 -0.25
Kd of U-234 in Unsaturated Zone 1	18 -0.09	4 -0.40	20 0.04	13 0.09
Kd of U-234 in Unsaturated Zone 2	13 -0.13	17 -0.11	21 -0.02	18 -0.05
Kd of U-234 in Saturated Zone	15 0.12	13 0.15	7 -0.17	5 -0.34
Kd of U-235 in Contaminated Zone	12 0.16	9 0.23	16 0.06	15 0.07
Kd of U-235 in Unsaturated Zone 1	17 0.11	7 0.33	24 0.00	24 0.01
Kd of U-235 in Unsaturated Zone 2	7 0.26	10 0.23	23 0.02	20 0.02
Kd of U-235 in Saturated Zone	11 -0.16	14 -0.14	8 0.16	8 0.22
Kd of U-238 in Contaminated Zone	10 0.17	8 0.26	9 0.15	9 0.21
Kd of U-238 in Unsaturated Zone 1	20 0.07	11 0.22	17 -0.06	14 -0.08
Kd of U-238 in Unsaturated Zone 2	24 -0.01	24 0.00	15 0.07	12 0.09
Kd of U-238 in Saturated Zone	14 -0.12	16 -0.12	12 0.14	10 0.19
Thickness of contaminated zone	1 0.69	1 0.43	1 0.80	1 0.48
Aquatic food	16 0.12	19 0.05	14 0.09	19 0.03
Depth of soil mixing layer	2 -0.68	2 -0.43	3 -0.76	3 -0.41
Mass loading for inhalation	4 0.66	5 0.40	4 0.75	4 0.41
Outdoor time fraction	3 0.67	3 0.42	2 0.77	2 0.43
R-SQUARE	0.80	0.80	0.88	0.88

-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.

Coefficients for peak Inhalation particles Dose				
Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	8 0.14	11 0.06	8 -0.13	16 -0.04
Runoff coefficient	10 0.06	15 0.03	16 -0.05	23 -0.02
Wind Speed	7 -0.15	10 -0.07	6 -0.46	6 -0.17
Well pump intake depth	16 0.03	20 0.01	13 0.07	21 0.02
Inhalation rate	5 0.55	5 0.30	5 0.65	5 0.28
Soil ingestion	6 0.17	7 0.08	7 0.21	10 0.07
Thickness of Unsaturated zone 2	14 -0.04	18 -0.02	11 0.08	20 0.03
Kd of U-234 in Contaminated Zone	13 0.05	12 0.06	21 -0.02	14 -0.05
Kd of U-234 in Unsaturated Zone 1	20 0.01	13 0.06	19 0.03	12 0.06
Kd of U-234 in Unsaturated Zone 2	19 0.01	16 0.02	22 -0.01	19 -0.03
Kd of U-234 in Saturated Zone	21 -0.01	22 0.00	12 -0.08	7 -0.15
Kd of U-235 in Contaminated Zone	18 -0.02	19 -0.02	17 0.04	13 0.05
Kd of U-235 in Unsaturated Zone 1	22 -0.01	17 -0.02	24 -0.01	24 -0.01
Kd of U-235 in Unsaturated Zone 2	11 -0.06	9 -0.07	23 -0.01	22 -0.02
Kd of U-235 in Saturated Zone	23 0.00	23 0.00	10 0.08	8 0.10
Kd of U-238 in Contaminated Zone	24 0.00	24 0.00	15 0.05	9 0.07
Kd of U-238 in Unsaturated Zone 1	15 -0.04	6 -0.11	18 -0.03	15 -0.04
Kd of U-238 in Unsaturated Zone 2	12 0.05	14 0.05	14 0.06	11 0.07
Kd of U-238 in Saturated Zone	9 -0.12	8 -0.08	20 0.03	17 0.03
Thickness of contaminated zone	2 0.69	2 0.46	1 0.85	1 0.51
Aquatic food	17 -0.03	21 -0.01	9 -0.09	18 -0.03
Depth of soil mixing layer	4 -0.59	4 -0.33	3 -0.79	3 -0.43
Mass loading for inhalation	3 0.65	3 0.40	4 0.71	4 0.35
Outdoor time fraction	1 0.72	1 0.48	2 0.80	2 0.43
R-SQUARE	0.81	0.81	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.

Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.



Coefficients for peak Radon (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Plant (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Plant (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Plant (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Meat (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Meat (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Meat (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.



Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =		1		1		1		1	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		15	0.08	19	0.03	22	-0.03	24	-0.01
Runoff coefficient		21	0.05	23	0.02	18	0.08	21	0.03
Wind Speed		9	0.19	14	0.08	17	0.08	20	0.03
Well pump intake depth		14	-0.08	18	-0.03	13	0.12	17	0.04
Inhalation rate		16	-0.07	20	-0.03	21	-0.04	22	-0.01
Soil ingestion		1	0.82	1	0.58	2	0.84	2	0.50
Thickness of Unsaturated zone 2		5	-0.27	11	-0.12	5	-0.31	13	-0.11
Kd of U-234 in Contaminated Zone		24	0.00	24	0.00	24	-0.01	23	-0.01
Kd of U-234 in Unsaturated Zone 1		18	-0.07	8	-0.22	11	-0.15	7	-0.25
Kd of U-234 in Unsaturated Zone 2		6	0.25	5	0.27	8	-0.21	5	-0.36
Kd of U-234 in Saturated Zone		10	-0.19	7	-0.25	16	0.10	10	0.15
Kd of U-235 in Contaminated Zone		19	-0.06	15	-0.07	23	0.02	19	0.03
Kd of U-235 in Unsaturated Zone 1		20	0.06	10	0.12	15	0.11	12	0.13
Kd of U-235 in Unsaturated Zone 2		11	-0.15	13	-0.09	6	0.25	6	0.31
Kd of U-235 in Saturated Zone		12	0.13	12	0.11	12	-0.14	11	-0.13
Kd of U-238 in Contaminated Zone		23	-0.02	22	-0.02	19	-0.06	14	-0.08
Kd of U-238 in Unsaturated Zone 1		22	0.03	16	0.06	10	0.15	9	0.17
Kd of U-238 in Unsaturated Zone 2		7	-0.23	9	-0.22	9	0.17	8	0.19
Kd of U-238 in Saturated Zone		8	0.23	6	0.25	20	-0.05	16	-0.05
Thickness of contaminated zone		2	0.70	3	0.40	1	0.86	1	0.54
Aquatic food		13	-0.13	17	-0.05	7	0.23	15	0.07
Depth of soil mixing layer		4	-0.69	4	-0.40	3	-0.80	3	-0.43
Mass loading for inhalation		17	-0.07	21	-0.03	14	0.12	18	0.04
Outdoor time fraction		3	0.70	2	0.42	4	0.79	4	0.40
R-SQUARE		0.85		0.85		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.

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	19	-0.08	19	-0.04	22	-0.01	23	0.00
Runoff coefficient		15	-0.11	16	-0.05	16	-0.08	18	-0.03
Wind Speed		22	-0.02	22	-0.01	11	-0.10	17	-0.04
Well pump intake depth		21	0.03	21	0.01	10	0.11	15	0.04
Inhalation rate		20	0.06	20	0.03	21	0.03	22	0.01
Soil ingestion		1	0.73	4	0.48	1	0.77	2	0.45
Thickness of Unsaturated zone 2	2	23	0.01	23	0.01	14	-0.09	16	-0.04
Kd of U-234 in Contaminated Zone		13	-0.12	10	-0.26	9	-0.12	8	-0.24
Kd of U-234 in Unsaturated Zone 1	1	9	0.19	1	0.91	12	0.10	9	0.24
Kd of U-234 in Unsaturated Zone 2	2	12	-0.16	14	-0.14	18	0.05	13	0.10
Kd of U-234 in Saturated Zone		5	0.34	5	0.46	5	-0.21	1	-0.46
Kd of U-235 in Contaminated Zone		17	0.09	15	0.13	17	0.05	14	0.07
Kd of U-235 in Unsaturated Zone 1	1	11	-0.19	3	-0.57	15	-0.09	12	-0.15
Kd of U-235 in Unsaturated Zone 2	2	7	0.29	11	0.26	23	-0.01	20	-0.02
Kd of U-235 in Saturated Zone		6	-0.33	9	-0.30	6	0.20	6	0.30
Kd of U-238 in Contaminated Zone		14	0.12	13	0.17	8	0.13	10	0.19
Kd of U-238 in Unsaturated Zone 1	1	8	-0.21	2	-0.66	13	-0.10	11	-0.15
Kd of U-238 in Unsaturated Zone 2	2	24	0.01	24	0.00	24	0.00	24	0.00
Kd of U-238 in Saturated Zone		10	-0.19	12	-0.19	7	0.19	7	0.27
Thickness of contaminated zone		2	0.69	6	0.43	2	0.76	3	0.45
Aquatic food		16	0.10	17	0.05	20	0.03	21	0.01
Depth of soil mixing layer		4	-0.66	8	-0.39	3	-0.75	5	-0.43
Mass loading for inhalation		18	-0.09	18	-0.04	19	0.04	19	0.02
Outdoor time fraction		3	0.68	7	0.42	4	0.75	4	0.44
R-SQUARE			0.81		0.81		0.86		0.86

-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.

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		22	0.01	23	0.00	15	-0.14	17	-0.04
Runoff coefficient		18	-0.02	20	-0.01	23	-0.01	24	0.00
Wind Speed		9	0.15	12	0.06	7	-0.25	13	-0.07
Well pump intake depth		15	-0.03	19	-0.01	12	0.16	15	0.04
Inhalation rate		13	0.08	15	0.04	6	0.25	12	0.07
Soil ingestion		2	0.73	2	0.45	2	0.89	2	0.51
Thickness of Unsaturated zone 2		5	-0.21	9	-0.09	17	-0.08	20	-0.02
Kd of U-234 in Contaminated Zone		14	0.08	10	0.09	10	-0.23	5	-0.37
Kd of U-234 in Unsaturated Zone 1		24	0.00	21	0.01	13	-0.15	8	-0.24
Kd of U-234 in Unsaturated Zone 2		6	0.17	5	0.24	20	-0.02	19	-0.03
Kd of U-234 in Saturated Zone		20	0.01	22	0.01	18	-0.03	14	-0.05
Kd of U-235 in Contaminated Zone		16	-0.03	16	-0.03	8	0.25	7	0.26
Kd of U-235 in Unsaturated Zone 1		21	0.01	17	0.03	11	0.20	9	0.21
Kd of U-235 in Unsaturated Zone 2		7	-0.16	6	-0.19	19	-0.03	18	-0.03
Kd of U-235 in Saturated Zone		23	0.01	24	0.00	24	0.00	23	0.00
Kd of U-238 in Contaminated Zone		19	-0.02	18	-0.02	9	0.24	6	0.28
Kd of U-238 in Unsaturated Zone 1		17	-0.03	11	-0.08	16	0.09	10	0.10
Kd of U-238 in Unsaturated Zone 2		10	-0.14	7	-0.13	22	0.01	22	0.01
Kd of U-238 in Saturated Zone		8	-0.16	8	-0.10	21	0.02	21	0.02
Thickness of contaminated zone		3	0.69	3	0.43	1	0.90	1	0.52
Aquatic food		11	0.13	13	0.06	5	-0.26	11	-0.07
Depth of soil mixing layer		4	-0.67	4	-0.39	4	-0.87	4	-0.46
Mass loading for inhalation		12	0.12	14	0.05	14	-0.15	16	-0.04
Outdoor time fraction		1	0.77	1	0.51	3	0.89	3	0.49
R-SQUARE		0.83		0.83		0.94		0.94	

-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.

Coefficients for peak Water Ingestion Dose		PCC	SRC	PRCC	SRRC	
Coefficient =		1	1	1	1	
Repetition =						
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff	
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00
R-SQUARE	0.00	0.00	0.00	0.00	0.00	

-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.

Coefficients for peak Water Ingestion Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		2		2		2		2		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Water Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.



Coefficients for peak Fish Ingestion Dose				
Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	17 -0.06	19 -0.04	16 -0.10	21 -0.05
Runoff coefficient	4 -0.42	6 -0.26	3 -0.59	3 -0.34
Wind Speed	12 0.10	17 0.06	24 -0.01	24 -0.01
Well pump intake depth	5 -0.37	7 -0.24	5 -0.27	13 -0.13
Inhalation rate	19 -0.04	20 -0.02	8 0.18	17 0.09
Soil ingestion	20 -0.03	23 -0.02	7 0.23	16 0.11
Thickness of Unsaturated zone 2	3 -0.49	4 -0.32	2 -0.70	2 -0.46
Kd of U-234 in Contaminated Zone	8 0.15	5 0.31	21 -0.03	20 -0.08
Kd of U-234 in Unsaturated Zone 1	18 -0.05	8 -0.23	14 -0.10	7 -0.25
Kd of U-234 in Unsaturated Zone 2	7 0.15	9 0.22	15 -0.10	8 -0.24
Kd of U-234 in Saturated Zone	22 -0.03	18 -0.05	11 0.14	4 0.30
Kd of U-235 in Contaminated Zone	6 -0.22	3 -0.33	22 0.02	22 0.03
Kd of U-235 in Unsaturated Zone 1	15 0.07	10 0.20	19 0.07	14 0.13
Kd of U-235 in Unsaturated Zone 2	21 0.03	21 0.02	10 0.15	6 0.26
Kd of U-235 in Saturated Zone	14 0.07	15 0.08	13 -0.11	10 -0.15
Kd of U-238 in Contaminated Zone	13 -0.08	13 -0.12	20 0.04	18 0.08
Kd of U-238 in Unsaturated Zone 1	16 0.06	11 0.19	12 0.13	9 0.22
Kd of U-238 in Unsaturated Zone 2	10 -0.12	12 -0.15	18 0.09	11 0.14
Kd of U-238 in Saturated Zone	23 0.01	22 0.02	17 -0.09	12 -0.14
Thickness of contaminated zone	1 0.69	1 0.54	1 0.78	1 0.57
Aquatic food	2 0.54	2 0.36	4 0.54	5 0.30
Depth of soil mixing layer	9 0.13	14 0.08	6 0.23	15 0.11
Mass loading for inhalation	24 0.00	24 0.00	9 0.17	19 0.08
Outdoor time fraction	11 0.10	16 0.06	23 -0.02	23 -0.01
R-SQUARE	0.70	0.70	0.80	0.80

-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.

Coefficients for peak Fish Ingestion Dose				
Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	13 -0.11	18 -0.06	19 -0.06	21 -0.03
Runoff coefficient	3 -0.45	5 -0.27	2 -0.72	4 -0.48
Wind Speed	8 0.15	17 0.08	15 -0.10	20 -0.05
Well pump intake depth	5 -0.31	12 -0.18	5 -0.38	13 -0.19
Inhalation rate	17 0.07	21 0.04	6 0.21	17 0.10
Soil ingestion	23 -0.02	23 -0.01	24 -0.01	24 -0.01
Thickness of Unsaturated zone 2	2 -0.46	3 -0.29	3 -0.70	3 -0.49
Kd of U-234 in Contaminated Zone	10 -0.13	2 -0.33	9 -0.19	5 -0.47
Kd of U-234 in Unsaturated Zone 1	20 -0.04	7 -0.25	16 0.10	7 0.29
Kd of U-234 in Unsaturated Zone 2	19 0.06	19 0.06	21 -0.04	18 -0.10
Kd of U-234 in Saturated Zone	12 -0.12	10 -0.20	8 0.20	1 0.50
Kd of U-235 in Contaminated Zone	14 0.11	11 0.19	10 0.17	10 0.27
Kd of U-235 in Unsaturated Zone 1	22 0.04	15 0.14	14 -0.12	12 -0.25
Kd of U-235 in Unsaturated Zone 2	15 -0.10	16 -0.10	20 0.06	16 0.11
Kd of U-235 in Saturated Zone	6 0.25	6 0.26	13 -0.14	11 -0.25
Kd of U-238 in Contaminated Zone	11 0.13	8 0.22	11 0.16	9 0.28
Kd of U-238 in Unsaturated Zone 1	18 0.06	9 0.21	17 -0.08	14 -0.16
Kd of U-238 in Unsaturated Zone 2	7 -0.20	14 -0.14	18 0.08	15 0.14
Kd of U-238 in Saturated Zone	9 0.14	13 0.17	7 -0.20	6 -0.33
Thickness of contaminated zone	1 0.78	1 0.69	1 0.74	2 0.50
Aquatic food	4 0.45	4 0.28	4 0.54	8 0.29
Depth of soil mixing layer	21 -0.04	22 -0.02	12 0.15	19 0.07
Mass loading for inhalation	24 0.01	24 0.01	23 0.02	23 0.01
Outdoor time fraction	16 0.07	20 0.04	22 -0.02	22 -0.01
R-SQUARE	0.72	0.72	0.80	0.80

-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.

Coefficients for peak Fish Ingestion Dose				
Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	8 -0.21	17 -0.11	10 -0.15	17 -0.06
Runoff coefficient	3 -0.50	6 -0.30	2 -0.74	3 -0.45
Wind Speed	18 -0.12	20 -0.06	11 -0.15	18 -0.06
Well pump intake depth	4 -0.36	10 -0.20	5 -0.35	12 -0.15
Inhalation rate	19 0.09	21 0.05	6 -0.22	15 -0.09
Soil ingestion	7 0.24	15 0.13	22 0.01	23 0.00
Thickness of Unsaturated zone 2	5 -0.34	11 -0.19	3 -0.67	4 -0.38
Kd of U-234 in Contaminated Zone	12 0.17	8 0.24	24 0.00	24 0.00
Kd of U-234 in Unsaturated Zone 1	13 -0.17	1 -0.92	13 0.13	5 0.35
Kd of U-234 in Unsaturated Zone 2	17 -0.13	9 -0.22	8 -0.20	2 -0.46
Kd of U-234 in Saturated Zone	9 0.20	12 0.16	14 -0.11	9 -0.25
Kd of U-235 in Contaminated Zone	6 -0.25	7 -0.29	19 -0.05	16 -0.08
Kd of U-235 in Unsaturated Zone 1	16 0.15	4 0.53	9 -0.16	8 -0.27
Kd of U-235 in Unsaturated Zone 2	20 0.09	16 0.13	16 0.09	13 0.14
Kd of U-235 in Saturated Zone	22 -0.06	22 -0.04	18 0.08	14 0.12
Kd of U-238 in Contaminated Zone	11 -0.17	13 -0.16	23 0.01	22 0.01
Kd of U-238 in Unsaturated Zone 1	15 0.16	3 0.56	12 -0.14	10 -0.25
Kd of U-238 in Unsaturated Zone 2	21 0.08	18 0.09	7 0.21	6 0.31
Kd of U-238 in Saturated Zone	10 -0.19	14 -0.14	15 0.10	11 0.17
Thickness of contaminated zone	1 0.75	2 0.62	1 0.78	1 0.50
Aquatic food	2 0.54	5 0.33	4 0.61	7 0.31
Depth of soil mixing layer	23 0.05	23 0.03	17 -0.08	19 -0.03
Mass loading for inhalation	14 0.16	19 0.09	21 0.04	21 0.02
Outdoor time fraction	24 0.02	24 0.01	20 -0.05	20 -0.02
R-SQUARE	0.75	0.75	0.84	0.84

-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.

Coefficients for peak Radon (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Radon (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Radon (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Plant (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.



Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-234 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-235 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of U-238 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Meat (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Meat (WaterDep.) Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		2		2		2		2		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Meat (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Milk (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak Milk (WaterDep.) Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		2		2		2		2		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Milk (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-234 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-235 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of U-238 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

-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.

Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	1	18	0.07	19	0.03	24	0.00	24	0.00
Runoff coefficient		20	0.06	20	0.03	20	0.12	22	0.04
Wind Speed		17	0.09	18	0.04	23	0.02	23	0.01
Well pump intake depth		16	0.09	17	0.04	18	0.13	21	0.04
Inhalation rate		7	0.23	14	0.09	16	0.14	20	0.04
Soil ingestion		5	0.58	6	0.29	5	0.63	8	0.24
Thickness of Unsaturated zone 2	2	6	-0.26	13	-0.11	6	-0.33	17	-0.10
Kd of U-234 in Contaminated Zone		24	-0.01	23	-0.01	22	0.08	15	0.15
Kd of U-234 in Unsaturated Zone 1	1	11	-0.13	3	-0.44	8	-0.24	4	-0.39
Kd of U-234 in Unsaturated Zone 2	2	8	0.20	9	0.21	11	-0.19	5	-0.30
Kd of U-234 in Saturated Zone		12	-0.12	11	-0.17	14	0.17	10	0.23
Kd of U-235 in Contaminated Zone		22	-0.02	21	-0.02	21	-0.09	18	-0.10
Kd of U-235 in Unsaturated Zone 1	1	15	0.11	8	0.23	12	0.19	11	0.21
Kd of U-235 in Unsaturated Zone 2	2	13	-0.11	15	-0.07	10	0.21	9	0.23
Kd of U-235 in Saturated Zone		19	0.07	16	0.05	9	-0.21	12	-0.19
Kd of U-238 in Contaminated Zone		23	-0.01	24	-0.01	19	-0.12	14	-0.16
Kd of U-238 in Unsaturated Zone 1	1	14	0.11	7	0.25	7	0.24	6	0.26
Kd of U-238 in Unsaturated Zone 2	2	9	-0.19	10	-0.18	13	0.17	13	0.17
Kd of U-238 in Saturated Zone		10	0.15	12	0.16	17	-0.14	16	-0.13
Thickness of contaminated zone		3	0.72	4	0.42	1	0.89	1	0.55
Aquatic food		21	-0.04	22	-0.02	15	0.15	19	0.05
Depth of soil mixing layer		2	-0.74	2	-0.47	3	-0.85	3	-0.48
Mass loading for inhalation		4	0.58	5	0.29	4	0.65	7	0.24
Outdoor time fraction		1	0.75	1	0.49	2	0.86	2	0.49
R-SQUARE		0.84		0.84		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.



Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	2		2		2		2	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		18	-0.08	21	-0.03	17	-0.08	20	-0.03
Runoff coefficient		10	-0.22	18	-0.09	13	-0.13	16	-0.04
Wind Speed		11	-0.21	19	-0.09	7	-0.24	13	-0.08
Well pump intake depth		21	0.06	22	0.02	19	-0.04	22	-0.01
Inhalation rate		6	0.34	15	0.15	6	0.37	11	0.13
Soil ingestion		5	0.44	13	0.20	5	0.58	8	0.23
Thickness of Unsaturated zone 2		23	0.04	23	0.01	16	-0.09	18	-0.03
Kd of U-234 in Contaminated Zone		12	-0.20	4	-0.38	9	-0.19	4	-0.34
Kd of U-234 in Unsaturated Zone 1		20	0.06	8	0.25	24	0.00	24	-0.01
Kd of U-234 in Unsaturated Zone 2		15	-0.17	16	-0.13	23	-0.01	23	-0.01
Kd of U-234 in Saturated Zone		8	0.26	5	0.32	10	-0.14	6	-0.25
Kd of U-235 in Contaminated Zone		16	0.16	10	0.21	15	0.10	12	0.12
Kd of U-235 in Unsaturated Zone 1		22	-0.05	17	-0.12	21	0.02	17	0.03
Kd of U-235 in Unsaturated Zone 2		7	0.33	7	0.26	20	0.02	19	0.03
Kd of U-235 in Saturated Zone		9	-0.26	12	-0.21	11	0.13	9	0.17
Kd of U-238 in Contaminated Zone		13	0.20	6	0.26	8	0.22	5	0.28
Kd of U-238 in Unsaturated Zone 1		19	-0.08	11	-0.21	22	-0.01	21	-0.02
Kd of U-238 in Unsaturated Zone 2		24	-0.02	24	-0.01	18	0.05	14	0.06
Kd of U-238 in Saturated Zone		14	-0.19	14	-0.17	14	0.12	10	0.14
Thickness of contaminated zone		1	0.78	1	0.50	1	0.85	1	0.52
Aquatic food		17	0.15	20	0.06	12	0.13	15	0.04
Depth of soil mixing layer		3	-0.75	3	-0.46	3	-0.81	3	-0.45
Mass loading for inhalation		4	0.52	9	0.24	4	0.59	7	0.23
Outdoor time fraction		2	0.76	2	0.48	2	0.83	2	0.48
R-SQUARE		0.85		0.85		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.

Coefficients for peak U-234 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	3		3		3		3	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		9	0.10	14	0.04	13	-0.10	19	-0.03
Runoff coefficient		23	0.01	24	0.00	19	-0.03	21	-0.01
Wind Speed		13	-0.07	16	-0.03	7	-0.41	11	-0.14
Well pump intake depth		19	-0.01	20	-0.01	16	0.04	20	0.01
Inhalation rate		6	0.45	6	0.21	5	0.57	6	0.22
Soil ingestion		4	0.53	5	0.25	4	0.63	4	0.25
Thickness of Unsaturated zone 2		8	-0.15	12	-0.06	22	0.01	23	0.00
Kd of U-234 in Contaminated Zone		11	0.09	9	0.09	9	-0.13	5	-0.25
Kd of U-234 in Unsaturated Zone 1		24	0.00	22	0.00	21	0.02	17	0.04
Kd of U-234 in Unsaturated Zone 2		12	0.07	8	0.10	20	-0.02	18	-0.03
Kd of U-234 in Saturated Zone		22	0.01	23	0.00	14	-0.10	8	-0.19
Kd of U-235 in Contaminated Zone		15	-0.05	13	-0.05	10	0.12	9	0.16
Kd of U-235 in Unsaturated Zone 1		20	0.01	15	0.03	23	0.01	22	0.01
Kd of U-235 in Unsaturated Zone 2		10	-0.09	7	-0.10	24	0.00	24	0.00
Kd of U-235 in Saturated Zone		21	-0.01	21	0.00	12	0.11	12	0.13
Kd of U-238 in Contaminated Zone		17	-0.02	18	-0.02	8	0.15	7	0.20
Kd of U-238 in Unsaturated Zone 1		16	-0.02	11	-0.06	18	-0.03	15	-0.04
Kd of U-238 in Unsaturated Zone 2		18	-0.01	19	-0.01	17	0.04	14	0.05
Kd of U-238 in Saturated Zone		7	-0.15	10	-0.09	15	0.06	13	0.08
Thickness of contaminated zone		2	0.75	2	0.48	1	0.86	1	0.53
Aquatic food		14	0.06	17	0.03	11	-0.11	16	-0.04
Depth of soil mixing layer		3	-0.67	3	-0.37	3	-0.81	3	-0.44
Mass loading for inhalation		5	0.53	4	0.25	6	0.42	10	0.15
Outdoor time fraction		1	0.80	1	0.54	2	0.85	2	0.51
R-SQUARE		0.85		0.85		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.

Coefficients for peak U-235 Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	15 -0.06	19 -0.01	6 0.12	15 0.03
Runoff coefficient	6 0.12	14 0.03	16 0.07	20 0.02
Wind Speed	19 -0.03	21 -0.01	14 0.10	17 0.02
Well pump intake depth	3 0.19	8 0.05	19 0.06	21 0.01
Inhalation rate	21 -0.02	23 0.00	7 -0.12	16 -0.03
Soil ingestion	7 -0.12	15 -0.03	3 -0.21	13 -0.05
Thickness of Unsaturated zone 2	4 -0.17	9 -0.04	4 -0.17	14 -0.04
Kd of U-234 in Contaminated Zone	20 0.03	16 0.02	8 0.11	3 0.17
Kd of U-234 in Unsaturated Zone 1	9 -0.10	3 -0.19	10 -0.11	5 -0.14
Kd of U-234 in Unsaturated Zone 2	17 -0.05	11 -0.03	9 -0.11	4 -0.14
Kd of U-234 in Saturated Zone	12 0.07	6 0.05	21 0.06	10 0.06
Kd of U-235 in Contaminated Zone	23 0.01	20 0.01	12 -0.10	9 -0.10
Kd of U-235 in Unsaturated Zone 1	11 0.09	5 0.10	17 0.07	11 0.06
Kd of U-235 in Unsaturated Zone 2	18 0.05	17 0.02	11 0.11	8 0.10
Kd of U-235 in Saturated Zone	13 -0.07	12 -0.03	23 -0.03	18 -0.02
Kd of U-238 in Contaminated Zone	24 -0.01	22 -0.01	13 -0.10	7 -0.10
Kd of U-238 in Unsaturated Zone 1	8 0.11	4 0.13	5 0.15	6 0.12
Kd of U-238 in Unsaturated Zone 2	10 0.09	7 0.05	18 0.07	12 0.05
Kd of U-238 in Saturated Zone	16 -0.06	10 -0.03	24 -0.02	22 -0.01
Thickness of contaminated zone	2 0.87	2 0.40	2 0.84	2 0.35
Aquatic food	22 -0.01	24 0.00	15 -0.08	19 -0.02
Depth of soil mixing layer	14 0.06	18 0.02	22 -0.04	24 -0.01
Mass loading for inhalation	5 -0.13	13 -0.03	20 -0.06	23 -0.01
Outdoor time fraction	1 0.96	1 0.88	1 0.97	1 0.91
R-SQUARE	0.95	0.95	0.95	0.95

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

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

Coefficients for peak U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
Thickness of Unsaturated zone 1	21	-0.02	23	0.00	20	-0.05	21	-0.01	
Runoff coefficient	9	0.07	15	0.02	16	-0.08	18	-0.02	
Wind Speed	15	-0.04	20	-0.01	8	-0.16	14	-0.03	
Well pump intake depth	13	0.05	19	0.01	22	0.02	23	0.00	
Inhalation rate	11	0.05	18	0.01	23	-0.02	24	0.00	
Soil ingestion	23	0.00	24	0.00	17	-0.08	19	-0.02	
Thickness of Unsaturated zone 2	7	-0.11	12	-0.02	21	0.05	22	0.01	
Kd of U-234 in Contaminated Zone	16	0.04	8	0.04	4	-0.24	3	-0.27	
Kd of U-234 in Unsaturated Zone 1	24	0.00	21	-0.01	11	0.14	5	0.18	
Kd of U-234 in Unsaturated Zone 2	5	-0.14	4	-0.06	9	-0.15	6	-0.17	
Kd of U-234 in Saturated Zone	14	0.05	10	0.03	18	-0.06	12	-0.07	
Kd of U-235 in Contaminated Zone	12	-0.05	9	-0.03	5	0.20	9	0.15	
Kd of U-235 in Unsaturated Zone 1	22	0.01	14	0.02	13	-0.12	10	-0.11	
Kd of U-235 in Unsaturated Zone 2	6	0.12	5	0.05	14	0.12	11	0.09	
Kd of U-235 in Saturated Zone	4	-0.17	3	-0.07	24	0.02	20	0.01	
Kd of U-238 in Contaminated Zone	18	-0.03	13	-0.02	3	0.26	4	0.21	
Kd of U-238 in Unsaturated Zone 1	19	-0.03	7	-0.04	7	-0.20	7	-0.17	
Kd of U-238 in Unsaturated Zone 2	8	0.10	11	0.03	6	0.20	8	0.16	
Kd of U-238 in Saturated Zone	17	-0.03	16	-0.01	19	0.06	13	0.04	
Thickness of contaminated zone	2	0.89	2	0.40	2	0.86	2	0.34	
Aquatic food	3	0.20	6	0.04	12	0.13	16	0.03	
Depth of soil mixing layer	10	0.06	17	0.01	10	0.14	15	0.03	
Mass loading for inhalation	20	0.03	22	0.01	15	0.10	17	0.02	
Outdoor time fraction	1	0.97	1	0.89	1	0.97	1	0.90	
R-SQUARE		0.96		0.96		0.96		0.96	

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

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

Coefficients for peak U-235 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	14	-0.12	15	-0.02	10	-0.12	16	-0.03	
Runoff coefficient	22	-0.02	23	0.00	20	-0.03	23	-0.01	
Wind Speed	10	-0.16	13	-0.03	4	-0.19	12	-0.05	
Well pump intake depth	4	0.21	11	0.04	7	0.18	14	0.04	
Inhalation rate	18	0.07	19	0.01	18	0.06	20	0.02	
Soil ingestion	3	0.22	10	0.04	6	0.18	13	0.04	
Thickness of Unsaturated zone 2	17	0.08	18	0.01	22	0.02	24	0.00	
Kd of U-234 in Contaminated Zone	5	0.19	6	0.09	8	-0.17	3	-0.26	
Kd of U-234 in Unsaturated Zone 1	9	0.17	3	0.31	17	-0.07	7	-0.11	
Kd of U-234 in Unsaturated Zone 2	13	0.13	8	0.08	24	0.01	21	0.01	
Kd of U-234 in Saturated Zone	21	-0.04	20	-0.01	11	-0.11	6	-0.16	
Kd of U-235 in Contaminated Zone	7	-0.17	9	-0.07	5	0.18	5	0.18	
Kd of U-235 in Unsaturated Zone 1	12	-0.14	5	-0.17	16	0.07	10	0.07	
Kd of U-235 in Unsaturated Zone 2	6	-0.18	7	-0.09	21	-0.03	17	-0.03	
Kd of U-235 in Saturated Zone	19	-0.05	21	-0.01	13	0.10	8	0.09	
Kd of U-238 in Contaminated Zone	16	-0.09	14	-0.03	3	0.20	4	0.21	
Kd of U-238 in Unsaturated Zone 1	11	-0.16	4	-0.19	19	0.06	11	0.06	
Kd of U-238 in Unsaturated Zone 2	20	-0.04	17	-0.02	23	-0.01	22	-0.01	
Kd of U-238 in Saturated Zone	23	0.02	22	0.00	15	0.09	9	0.09	
Thickness of contaminated zone	2	0.90	2	0.39	2	0.83	2	0.36	
Aquatic food	8	-0.17	12	-0.03	12	-0.10	18	-0.03	
Depth of soil mixing layer	15	0.12	16	0.02	14	0.09	19	0.02	
Mass loading for inhalation	24	0.01	24	0.00	9	-0.14	15	-0.04	
Outdoor time fraction	1	0.98	1	0.89	1	0.96	1	0.89	
R-SQUARE		0.97		0.97		0.94		0.94	

-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.

Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	1	14	0.05	18	0.02	24	-0.02	24	-0.01
Runoff coefficient		13	0.07	15	0.03	8	0.20	18	0.06
Wind Speed		17	-0.04	21	-0.02	15	-0.17	20	-0.05
Well pump intake depth		6	0.20	10	0.10	16	0.15	21	0.04
Inhalation rate		5	0.37	8	0.18	5	0.46	13	0.16
Soil ingestion		24	-0.01	24	0.00	22	0.08	22	0.02
Thickness of Unsaturated zone 2	2	7	-0.16	12	-0.08	9	-0.20	19	-0.06
Kd of U-234 in Contaminated Zone		22	-0.01	19	-0.02	21	0.09	12	0.17
Kd of U-234 in Unsaturated Zone 1	1	9	-0.14	1	-0.53	13	-0.19	6	-0.30
Kd of U-234 in Unsaturated Zone 2	2	12	0.09	9	0.11	11	-0.20	5	-0.31
Kd of U-234 in Saturated Zone		19	-0.03	14	-0.05	14	0.17	7	0.23
Kd of U-235 in Contaminated Zone		20	0.02	16	0.03	19	-0.11	16	-0.13
Kd of U-235 in Unsaturated Zone 1	1	10	0.11	7	0.28	17	0.13	15	0.14
Kd of U-235 in Unsaturated Zone 2	2	16	-0.04	17	-0.03	12	0.20	8	0.22
Kd of U-235 in Saturated Zone		21	-0.02	20	-0.02	10	-0.20	11	-0.18
Kd of U-238 in Contaminated Zone		23	0.01	23	0.01	18	-0.12	14	-0.16
Kd of U-238 in Unsaturated Zone 1	1	8	0.14	5	0.36	6	0.21	9	0.22
Kd of U-238 in Unsaturated Zone 2	2	11	-0.09	11	-0.10	7	0.20	10	0.21
Kd of U-238 in Saturated Zone		15	0.04	13	0.05	20	-0.11	17	-0.10
Thickness of contaminated zone		4	0.60	6	0.35	1	0.88	1	0.53
Aquatic food		18	0.03	22	0.01	23	0.08	23	0.02
Depth of soil mixing layer		2	-0.68	3	-0.44	2	-0.84	2	-0.46
Mass loading for inhalation		1	0.74	2	0.51	4	0.83	4	0.43
Outdoor time fraction		3	0.64	4	0.41	3	0.84	3	0.44
R-SQUARE		0.80		0.80		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.

Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	2		2		2		2	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		23	-0.03	23	-0.01	22	-0.02	23	-0.01
Runoff coefficient		8	-0.24	18	-0.11	10	-0.15	16	-0.06
Wind Speed		6	-0.29	15	-0.14	6	-0.32	11	-0.12
Well pump intake depth		19	0.07	20	0.03	18	-0.05	21	-0.02
Inhalation rate		5	0.42	12	0.22	5	0.57	7	0.25
Soil ingestion		22	-0.06	22	-0.03	11	0.15	17	0.05
Thickness of Unsaturated zone 2		21	0.07	21	0.03	19	0.04	22	0.02
Kd of U-234 in Contaminated Zone		9	-0.18	6	-0.39	13	-0.13	6	-0.25
Kd of U-234 in Unsaturated Zone 1		18	-0.09	5	-0.40	20	0.04	13	0.09
Kd of U-234 in Unsaturated Zone 2		13	-0.13	17	-0.11	21	-0.02	18	-0.05
Kd of U-234 in Saturated Zone		15	0.12	13	0.15	7	-0.17	5	-0.34
Kd of U-235 in Contaminated Zone		12	0.16	9	0.23	16	0.06	15	0.07
Kd of U-235 in Unsaturated Zone 1		17	0.11	7	0.33	24	0.00	24	0.01
Kd of U-235 in Unsaturated Zone 2		7	0.26	10	0.23	23	0.02	20	0.02
Kd of U-235 in Saturated Zone		11	-0.16	14	-0.14	8	0.16	8	0.22
Kd of U-238 in Contaminated Zone		10	0.17	8	0.26	9	0.15	9	0.21
Kd of U-238 in Unsaturated Zone 1		20	0.07	11	0.22	17	-0.06	14	-0.08
Kd of U-238 in Unsaturated Zone 2		24	-0.01	24	0.00	15	0.07	12	0.09
Kd of U-238 in Saturated Zone		14	-0.12	16	-0.12	12	0.14	10	0.19
Thickness of contaminated zone		1	0.69	1	0.43	1	0.80	1	0.48
Aquatic food		16	0.12	19	0.05	14	0.09	19	0.03
Depth of soil mixing layer		2	-0.68	2	-0.43	3	-0.76	3	-0.41
Mass loading for inhalation		4	0.66	4	0.40	4	0.75	4	0.41
Outdoor time fraction		3	0.67	3	0.42	2	0.77	2	0.43
R-SQUARE		0.80		0.80		0.88		0.88	

-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.

Coefficients for peak U-238 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	3		3		3		3	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1		8	0.14	11	0.06	8	-0.13	16	-0.04
Runoff coefficient		10	0.06	15	0.03	16	-0.05	23	-0.02
Wind Speed		7	-0.15	10	-0.07	6	-0.46	6	-0.17
Well pump intake depth		16	0.03	20	0.01	13	0.07	21	0.02
Inhalation rate		5	0.55	5	0.30	5	0.65	5	0.28
Soil ingestion		6	0.17	7	0.08	7	0.21	10	0.07
Thickness of Unsaturated zone 2		14	-0.04	18	-0.02	11	0.08	20	0.03
Kd of U-234 in Contaminated Zone		13	0.05	12	0.06	21	-0.02	14	-0.05
Kd of U-234 in Unsaturated Zone 1		20	0.01	13	0.06	19	0.03	12	0.06
Kd of U-234 in Unsaturated Zone 2		19	0.01	16	0.02	22	-0.01	19	-0.03
Kd of U-234 in Saturated Zone		21	-0.01	22	0.00	12	-0.08	7	-0.15
Kd of U-235 in Contaminated Zone		18	-0.02	19	-0.02	17	0.04	13	0.05
Kd of U-235 in Unsaturated Zone 1		22	-0.01	17	-0.02	24	-0.01	24	-0.01
Kd of U-235 in Unsaturated Zone 2		11	-0.06	9	-0.07	23	-0.01	22	-0.02
Kd of U-235 in Saturated Zone		23	0.00	23	0.00	10	0.08	8	0.10
Kd of U-238 in Contaminated Zone		24	0.00	24	0.00	15	0.05	9	0.07
Kd of U-238 in Unsaturated Zone 1		15	-0.04	6	-0.11	18	-0.03	15	-0.04
Kd of U-238 in Unsaturated Zone 2		12	0.05	14	0.05	14	0.06	11	0.07
Kd of U-238 in Saturated Zone		9	-0.12	8	-0.08	20	0.03	17	0.03
Thickness of contaminated zone		2	0.69	2	0.46	1	0.85	1	0.51
Aquatic food		17	-0.03	21	-0.01	9	-0.09	18	-0.03
Depth of soil mixing layer		4	-0.59	4	-0.33	3	-0.79	3	-0.43
Mass loading for inhalation		3	0.65	3	0.40	4	0.71	4	0.35
Outdoor time fraction		1	0.72	1	0.48	2	0.80	2	0.43
R-SQUARE		0.81		0.81		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.



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Dose Conversion Factor (and Related) Parameter Summary  
 File: Default.LIB

0 Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Co-60	2.190E-04	2.190E-04	DCF2 ( 1)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Co-60	2.690E-05	2.690E-05	DCF3 ( 1)
D-34	Food transfer factors:			
D-34	Co-60 , plant/soil concentration ratio, dimensionless	8.000E-02	8.000E-02	RTF ( 1,1)
D-34	Co-60 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	2.000E-02	2.000E-02	RTF ( 1,2)
D-34	Co-60 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-03	2.000E-03	RTF ( 1,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Co-60 , fish	3.000E+02	3.000E+02	BIOFAC ( 1,1)
D-5	Co-60 , crustacea and mollusks	2.000E+02	2.000E+02	BIOFAC ( 1,2)

Site-Specific Parameter Summary						
0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R011	Area of contaminated zone (m**2)	2.023E+06	1.000E+04	---	AREA
	R011	Thickness of contaminated zone (m)	1.500E-01	2.000E+00	---	THICK0
	R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
	R011	Basic radiation dose limit (mrem/yr)	1.900E+01	2.500E+01	---	BRDL
	R011	Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
	R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T ( 2)
	R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T ( 3)
	R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T ( 4)
	R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T ( 5)
	R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T ( 6)
	R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T ( 7)
	R011	Times for calculations (yr)	1.000E+03	1.000E+03	---	T ( 8)
	R011	Times for calculations (yr)	not used	0.000E+00	---	T ( 9)
	R011	Times for calculations (yr)	not used	0.000E+00	---	T(10)
	R012	Initial principal radionuclide (pCi/g): Co-60	9.850E+01	0.000E+00	---	S1 ( 1)
	R012	Concentration in groundwater (pCi/L): Co-60	not used	0.000E+00	---	W1 ( 1)
	R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
	R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
	R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
	R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
	R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
	R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
	R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
	R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
	R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
	R013	Average annual wind speed (m/sec)	3.160E+00	2.000E+00	---	WIND
	R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
	R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
	R013	Precipitation (m/yr)	1.120E+00	1.000E+00	---	PRECIP
	R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
	R013	Irrigation mode	overhead	overhead	---	IDITCH
	R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
	R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
	R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
	R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSAQ
	R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
	R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
	R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
	R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+02	1.000E+02	---	HCSZ
	R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
	R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
	R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
	R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
	R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
	R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02	---	UW
	R015	Number of unsaturated zone strata	2	1	---	NS

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R015	Unsat. zone 1, thickness (m)	2.000E+00	4.000E+00	---	H (1)
	R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+00	1.500E+00	---	DENSUZ (1)
	R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ (1)
	R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ (1)
	R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ (1)
	R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (1)
	R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ (1)
	R015	Unsat. zone 2, thickness (m)	4.000E+00	0.000E+00	---	H (2)
	R015	Unsat. zone 2, soil density (g/cm**3)	1.500E+00	1.500E+00	---	DENSUZ (2)
	R015	Unsat. zone 2, total porosity	4.000E-01	4.000E-01	---	TPUZ (2)
	R015	Unsat. zone 2, effective porosity	2.000E-01	2.000E-01	---	EPUZ (2)
	R015	Unsat. zone 2, field capacity	2.000E-01	2.000E-01	---	FCUZ (2)
	R015	Unsat. zone 2, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (2)
	R015	Unsat. zone 2, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ (2)
	R016	Distribution coefficients for Co-60				
	R016	Contaminated zone (cm**3/g)	1.000E+03	1.000E+03	---	DCNUCC ( 1)
	R016	Unsaturated zone 1 (cm**3/g)	1.000E+03	1.000E+03	---	DCNUCU ( 1,1)
	R016	Unsaturated zone 2 (cm**3/g)	1.000E+03	1.000E+03	---	DCNUCU ( 1,2)
	R016	Saturated zone (cm**3/g)	1.000E+03	1.000E+03	---	DCNUCS ( 1)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.435E-03	ALEACH ( 1)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 1)
	R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
	R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
	R017	Exposure duration	3.000E+01	3.000E+01	---	ED
	R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
	R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
	R017	Fraction of time spent indoors	0.000E+00	5.000E-01	---	FIND
	R017	Fraction of time spent outdoors (on site)	2.080E-02	2.500E-01	---	FOTD
	R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
	R017	Radii of shape factor array (used if FS = -1):				
	R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE ( 1)
	R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE ( 2)
	R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE ( 3)
	R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE ( 4)
	R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE ( 5)
	R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE ( 6)
	R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE ( 7)
	R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE ( 8)
	R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE ( 9)
	R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE (10)
	R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE (11)
	R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE (12)

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R017	Fractions of annular areas within AREA:				
	R017	Ring 1	not used	1.000E+00	---	FRACA( 1)
	R017	Ring 2	not used	2.732E-01	---	FRACA( 2)
	R017	Ring 3	not used	0.000E+00	---	FRACA( 3)
	R017	Ring 4	not used	0.000E+00	---	FRACA( 4)
	R017	Ring 5	not used	0.000E+00	---	FRACA( 5)
	R017	Ring 6	not used	0.000E+00	---	FRACA( 6)
	R017	Ring 7	not used	0.000E+00	---	FRACA( 7)
	R017	Ring 8	not used	0.000E+00	---	FRACA( 8)
	R017	Ring 9	not used	0.000E+00	---	FRACA( 9)
	R017	Ring 10	not used	0.000E+00	---	FRACA(10)
	R017	Ring 11	not used	0.000E+00	---	FRACA(11)
	R017	Ring 12	not used	0.000E+00	---	FRACA(12)
	R018	Fruits, vegetables and grain consumption (kg/yr)	not used	1.600E+02	---	DIET(1)
	R018	Leafy vegetable consumption (kg/yr)	not used	1.400E+01	---	DIET(2)
	R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)
	R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)
	R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
	R018	Other seafood consumption (kg/yr)	0.000E+00	9.000E-01	---	DIET(6)
	R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
	R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI
	R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW
	R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
	R018	Contamination fraction of livestock water	not used	1.000E+00	---	FLW
	R018	Contamination fraction of irrigation water	not used	1.000E+00	---	FIRW
	R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
	R018	Contamination fraction of plant food	not used	-1	---	FPLANT
	R018	Contamination fraction of meat	not used	-1	---	FMEAT
	R018	Contamination fraction of milk	not used	-1	---	FMILK
	R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
	R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
	R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
	R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
	R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI
	R019	Mass loading for foliar deposition (g/m**3)	not used	1.000E-04	---	MLFD
	R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
	R019	Depth of roots (m)	not used	9.000E-01	---	DROOT
	R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
	R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
	R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
	R019	Irrigation fraction from ground water	not used	1.000E+00	---	FGWIR
	R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	not used	7.000E-01	---	YV(1)
	R19B	Wet weight crop yield for Leafy (kg/m**2)	not used	1.500E+00	---	YV(2)
	R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
	R19B	Growing Season for Non-Leafy (years)	not used	1.700E-01	---	TE(1)
	R19B	Growing Season for Leafy (years)	not used	2.500E-01	---	TE(2)
	R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)

Site-Specific Parameter Summary (continued)						
0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R19B	Translocation Factor for Non-Leafy	not used	1.000E-01	---	TIV(1)
	R19B	Translocation Factor for Leafy	not used	1.000E+00	---	TIV(2)
	R19B	Translocation Factor for Fodder	not used	1.000E+00	---	TIV(3)
	R19B	Dry Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RDRY(1)
	R19B	Dry Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RDRY(2)
	R19B	Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY(3)
	R19B	Wet Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RWET(1)
	R19B	Wet Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RWET(2)
	R19B	Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET(3)
	R19B	Weathering Removal Constant for Vegetation	not used	2.000E+01	---	WLAM
	C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
	C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
	C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
	C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
	C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
	C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
	C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
	C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
	C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
	C14	DCF correction factor for gaseous forms of C14	not used	1.234E+02	---	CO2F
	STOR	Storage times of contaminated foodstuffs (days):				
	STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
	STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
	STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
	STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
	STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
	STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
	STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
	STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
	STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
	R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
	R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
	R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
	R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
	R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
	R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
	R021	Diffusion coefficient for radon gas (m/sec):				
	R021	in cover material	not used	2.000E-06	---	DIFCV
	R021	in foundation material	not used	3.000E-07	---	DIFFL
	R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
	R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
	R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
	R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
	R021	Building interior area factor	not used	0.000E+00	---	FAI
	R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
	R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
	R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
TITL	Number of graphical time points	128	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	suppressed
4 -- meat ingestion	suppressed
5 -- milk ingestion	suppressed
6 -- aquatic foods	active
7 -- drinking water	suppressed
8 -- soil ingestion	active
9 -- radon	suppressed
Find peak pathway doses	active

---

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
-----		-----	
Area:	2023400.00 square meters	Co-60	9.850E+01
Thickness:	0.15 meters		
Cover Depth:	0.00 meters		

0

Total Dose TDOSE(t), mrem/yr  
Basic Radiation Dose Limit = 19 mrem/yr  
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

-----								
t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
TDOSE(t):	2.611E+01	2.278E+01	1.735E+01	6.679E+00	4.319E-01	2.290E-05	0.000E+00	0.000E+00
M(t):	1.374E+00	1.199E+00	9.132E-01	3.515E-01	2.273E-02	1.205E-06	0.000E+00	0.000E+00

0Maximum TDOSE(t): 2.611E+01 mrem/yr at t = 0.000E+00 years



Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	2.611E+01	0.9999	8.300E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.877E-03	0.0001
Total	2.611E+01	0.9999	8.300E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.877E-03	0.0001

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.611E+01	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.611E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	2.278E+01	0.9999	7.211E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.630E-03	0.0001
Total	2.278E+01	0.9999	7.211E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.630E-03	0.0001

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.278E+01	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.278E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	1.735E+01	0.9999	5.442E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.230E-03	0.0001
Total	1.735E+01	0.9999	5.442E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.230E-03	0.0001

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.735E+01	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.735E+01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	6.678E+00	0.9999	2.029E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.588E-04	0.0001
Total	6.678E+00	0.9999	2.029E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.588E-04	0.0001

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.679E+00	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.679E+00	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	4.319E-01	0.9999	1.193E-06	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.698E-05	0.0001
Total	4.319E-01	0.9999	1.193E-06	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.698E-05	0.0001

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.319E-01	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.319E-01	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	2.290E-05	1.0000	4.191E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.475E-10	0.0000
Total	2.290E-05	1.0000	4.191E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.475E-10	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.290E-05	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.290E-05	1.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0\*Sum of all water independent and dependent pathways.



Dose/Source Ratios Summed Over All Pathways  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	2.651E-01	2.313E-01	1.761E-01	6.780E-02	4.385E-03	2.325E-07	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g  
 Basic Radiation Dose Limit = 19 mrem/yr

ONuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	7.168E+01	8.214E+01	1.079E+02	2.802E+02	4.333E+03	8.173E+07	*1.131E+15	*1.131E+15

\*At specific activity limit

0

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)  
 and Single Radionuclide Soil Guidelines G(i,t) in pCi/g  
 at tmin = time of minimum single radionuclide soil guideline  
 and at tmax = time of maximum total dose = 0.000E+00 years

ONuclide (i)	Initial pCi/g	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Co-60	9.850E+01	0.000E+00	2.651E-01	7.168E+01	2.651E-01	7.168E+01

Individual Nuclide Dose Summed Over All Pathways  
 Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	BRF(i)	DOSE(j,t), mrem/yr							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	2.611E+01	2.278E+01	1.735E+01	6.679E+00	4.319E-01	2.290E-05	0.000E+00	0.000E+00

BRF(i) is the branch fraction of the parent nuclide.

Individual Nuclide Soil Concentration  
 Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	BRF(i)	S(j,t), pCi/g							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	9.850E+01	8.615E+01	6.591E+01	2.581E+01	1.772E+00	1.502E-04	3.491E-16	0.000E+00

BRF(i) is the branch fraction of the parent nuclide.

ORESMAIN5.EXE execution time = 17.33 seconds

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Source Factors for Ingrowth and Decay  
 Radioactivity Factors Only

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		1.000E+00	8.768E-01	6.740E-01	2.685E-01	1.935E-02	1.945E-06	7.359E-18	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1)*BRF(2)* \dots BRF(j)$ .  
 0

Source Factors for Ingrowth and Decay  
 Combined Radioactivity and Leaching Factors

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		1.000E+00	8.746E-01	6.691E-01	2.620E-01	1.799E-02	1.525E-06	3.545E-18	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1)*BRF(2)* \dots BRF(j)$ .  
 The effect of volatilization was also considered when computing the source factors for H-3 and C-14.

Parameters Used for Calculating Cover Depth and Contaminated Zone Thicknesses

0 Cover Erosion rate (vcv): 0.001000 m/yr  
 Contaminated Zone Erosion rate (vcz): 0.001000 m/yr  
 Water Table Drop rate (vwt): 0.001000 m/yr  
 Precipitation rate (Pr): 1.120000 m/yr  
 Cover Removal Time (Tc): 0.000E+00 yr  
 Overhead irrigation rate (Irr): 0.200 m/yr Runoff coefficient (Cr): 0.200  
 Evapotranspiration coeff. (Ce): 0.500 Infiltration rate (In): 0.548 m/yr  
 Bulk soil density (rhob): 1.500 g/cm\*\*3 Effective porosity (pe): 0.000

Radio-nuclide (i)	Distribution Coefficient Kd(i), cm**3/g	Leaching Ratio q(i)
Co-60	1.000000E+03	2.153E-04

0

Time Dependence of Source Geometry

Time Dependence of Cover Depth [Cd(i,t)]

Nuclide (i)	t=	Cd(i,t) (meters)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0

Time Dependence of Contaminated Zone Thicknesses [T(i,t)]

Nuclide (i)	t=	T(i,t) (meters)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00	0.0000E+00

Occupancy, Cover/Depth, and Area Factors for Ground Pathway

Occupancy Factor (FO1): 0.021  
 Area (A): 2023400. sq. meters  
 Initial cover depth (Cd): 0.000 meters  
 Initial contaminated zone thickness (T): 0.150 meters

Time Dependence of Cover/Depth Factor [FCTR\_COV\_DEPTH(i,t)]

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	8.413E-01	8.394E-01	8.356E-01	8.215E-01	7.743E-01	4.864E-01	0.000E+00	0.000E+00

0

Time Dependence of Area Factor [FCTR\_AREA(i,t)]

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

0

Dose Conversion and Environmental Transport Factors for the Ground Pathway (p=1)

Parent (i)	Product (j)	DCF(j,1)*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.620E+01	1.750E-02	1.746E-02	1.738E-02	1.709E-02	1.610E-02	1.012E-02	0.000E+00	0.000E+00

\* - The dose conversion factor units are (mrem/yr)/(pCi/g) at infinite depth and area.

0

Dose/Source Ratios for External Radiation from the Ground (p=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,1,t) (mrem/yr)/(pCi/g)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	2.650E-01	2.313E-01	1.761E-01	6.780E-02	4.385E-03	2.325E-07	0.000E+00	0.000E+00	

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life > 0.5 yr) daughters.

Dose/Source Ratios for Inhalation Pathway, Excluding Radon (p=2)  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,2,t) (mrem/yr)/(pCi/g)							
		t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	8.426E-07	7.321E-07	5.525E-07	2.060E-07	1.212E-08	4.255E-13	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life > 0.5 yr) daughters.

0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A): 2.0234E+06 m\*\*2      Occupancy Factor (FO2): 2.0800E-02  
 Area Factor (FA2): 2.3607E-01      Annual Air Intake (F12): 8.4000E+03 m\*\*3/yr  
 Cover Depth [Cd(0)]: 0.0000E+00 m      Mass Loading (ASR2): 1.0000E-04 g/m\*\*3  
 Contaminated Zone Thickness [T(0)]: 1.5000E-01 m      FA2 \* FO2 \* F12 \* ASR2: 4.1246E-03 g/yr

Nuclide (i)	t=	Depth Factor [FD(i,2,t)] (dimensionless)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00	0.0000E+00

0

Dose Conversion and Environmental Transport Factors for the Inhalation Pathway, Excluding Radon (p=2)

Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) (g/yr)							
		t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.190E-04	4.125E-03	4.097E-03	4.042E-03	3.850E-03	3.300E-03	1.375E-03	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.



Transport Time Parameters for Unsaturated Zone Stratum No. 1

Stratum thickness [h(1)]: 2.000000 m  
 Bulk soil material density [rhob(1)]: 1.500000 g/cm\*\*3  
 Effective porosity [peuz(1)]: 0.200000  
 Hydraulic conductivity [Khuz(1)]: 10.000000 m/yr  
 Total porosity [ptuz(1)]: 0.400000  
 Soil specific b parameter [buz(1)]: 5.300000  
 Saturation ratio [sruz(1)]: 0.807725

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Co-60	1.0000E+03	4.6437E+03	2.7378E+03

0

Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]: 4.000000 m  
 Bulk soil material density [rhob(2)]: 1.500000 g/cm\*\*3  
 Effective porosity [peuz(2)]: 0.200000  
 Hydraulic conductivity [Khuz(2)]: 10.000000 m/yr  
 Total porosity [ptuz(2)]: 0.400000  
 Soil specific b parameter [buz(2)]: 5.300000  
 Saturation ratio [sruz(2)]: 0.807725

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Co-60	1.0000E+03	4.6437E+03	5.4756E+03

0

Transport Time Parameters for Unsaturated Zone created by the Falling Water Table

Water table drop rate [vwt]: 0.001000 m/yr  
 Bulk soil material density [rhobaq]: 1.500000 g/cm\*\*3  
 Effective porosity [peaq]: 0.200000  
 Hydraulic conductivity [Khaq]: 100.000000 m/yr  
 Total porosity [ptaq]: 0.400000  
 Soil specific b parameter [baq]: 5.300000  
 Saturation ratio [sruaq]: 0.681921

Radio-nuclide (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time Dtuaq(i), yr
Co-60	1.0000E+03	5.5002E+03	Infinite

Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model

0 Aquifer contamination depth at well (z): 2.74000E+01 m  
 Depth of water intake below water table (dw): 1.00000E+01 m  
 Infiltration rate (In): 5.48000E-01 m/yr  
 Aquifer water flow rate (Vwfr): 2.00000E+00 m/yr  
 Hydraulic gradient (J): 2.00000E-02  
 Hydraulic conductivity of aquifer (Kszh): 1.00000E+02 m/yr  
 Contaminated zone extent parallel to gradient (l): 1.00000E+02 m  
 Distance below contaminated zone to water table (h): 0.60000E+01 m  
 Initial thickness of uncontaminated cover (Cd): 0.00000E+00 m  
 Initial thickness of contaminated zone (T): 0.15000E+00 m  
 Effective porosity of saturated zone (pesz): 0.20000E+00

Radio-nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdsz(i)	Horizontal Transport Time Onsite Tauh(i), yr	Rise Time dt(i), yr	Decay Time Parameter 1/lamda(i),yr
Co-60	1.000E+00	3.751E+03	3.751E+04	1.369E+04	7.604E+00

Primary Parameters Used for Calculating Water/Soil Concentration Ratios for Groundwater Pathway Segment

0 Model used: Nondispersion (ND)  
 Bulk soil density in contaminated zone (rhob): 1.500 g/cm\*\*3

Radio-nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdcz(i)	Breakthrough Time Chain year	Single Nuclide Dt(i), yr	Rise Time dt(i), yr
Co-60	1.000E+00	4.644E+03	Infinite	Infinite	1.369E+04



Storage Times For Contaminated Foodstuffs

k	Food Item	STOR_T(k), days
1	non-leafy plants	14.
2	leafy plants	1.
3	milk	1.
4	meat	20.
5	fish	7.
6	crustacea	7.
7	well water	1.
8	surface water	1.
9	livestock fodder	45.

0

Storage Time Ingrowth and Decay Factors  
 Storage Time for k'th Foodstuff:  $t = \text{STOR\_T}(k)$ , days

Parent (i)	Product (j)	Branch Fraction	STOR_ID(i,j,t) = CONCE(i,j,t)/CONCE(i,i,0)									
-----	-----	-----	t= 1.400E+01	1.000E+00	1.000E+00	2.000E+01	7.000E+00	7.000E+00	1.000E+00	1.000E+00	4.500E+01	-----
Co-60	Co-60	1.000E+00	9.950E-01	9.996E-01	9.996E-01	9.928E-01	9.975E-01	9.975E-01	9.996E-01	9.996E-01	9.839E-01	-----
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

CONCE(i,j,t)/CONCE(i,i,0) is the concentration ratio of Product(j) at time t to Parent(i) at start of storage time.

Storage Time Correction Factors  
 Drinking Water from Well and/or Surface  
 Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

Parent	Product	Branch	CFWW(j,t,1)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Nonleafy Plants from Well and/or Surface  
 Harvest Time = t - 4.11E-02 yr; Consumption Time = t - 3.83E-02 yr

Parent	Product	Branch	CFWW(j,t,2)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Leafy Plants from Well and/or Surface  
 Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

Parent	Product	Branch	CFWW(j,t,3)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
 Irrigation Water for Livestock (Milk) Fodder from Well and/or Surface  
 Harvest Time = t - 1.29E-01 yr; Consumption Time = t - 1.26E-01 yr

Parent	Product	Branch	CFWW(j,t,5)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
Irrigation Water for Livestock (Meat) Fodder from Well and/or Surface  
Harvest Time = t - 1.81E-01 yr; Consumption Time = t - 1.78E-01 yr  
CFWW(j,t,7)#

Parent	Product	Branch	Fraction*	t = 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
Livestock (Milk) Water from Well and/or Surface  
Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr  
CFWW(j,t,4)#

Parent	Product	Branch	Fraction*	t = 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors  
Livestock (Meat) Water from Well and/or Surface  
Harvest Time = t - 5.75E-02 yr; Consumption Time = t - 5.48E-02 yr  
CFWW(j,t,6)#

Parent	Product	Branch	Fraction*	t = 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Nonleafy Plants  
Harvest Time = t - 3.83E-02 yr; Consumption Time = t yr  
CF3(j,1,t)#

Parent	Product	Branch	Fraction*	t = 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.000E+00	9.950E-01	9.950E-01	9.950E-01	9.950E-01	9.950E-01	9.950E-01	9.950E-01	9.950E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Leafy Plants  
 Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

OParent	Product	Branch	CF3(j,2,t)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Livestock (Meat) Fodder  
 Harvest Time = t - 1.78E-01 yr; Consumption Time = t - 5.48E-02 yr

OParent	Product	Branch	CFLF(j,1,t)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		1.000E+00	9.839E-01	9.839E-01	9.839E-01	9.839E-01	9.839E-01	9.839E-01	9.839E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Livestock (Milk) Fodder  
 Harvest Time = t - 1.26E-01 yr; Consumption Time = t - 2.74E-03 yr

OParent	Product	Branch	CFLF(j,2,t)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		1.000E+00	9.839E-01	9.839E-01	9.839E-01	9.839E-01	9.839E-01	9.839E-01	9.839E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Meat  
 Harvest Time = t - 5.48E-02 yr; Consumption Time = t yr

OParent	Product	Branch	CF45(j,1,t)#								
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		1.000E+00	9.928E-01	9.928E-01	9.928E-01	9.928E-01	9.928E-01	9.928E-01	9.928E-01

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Milk  
 Harvest Time = t - 2.74E-03 yr; Consumption Time = t yr

Parent (i)	Product (j)	Branch Fraction*	CF45(j,2,t)#							
-----	-----	-----	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60	Co-60	1.000E+00	1.000E+00	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01	9.996E-01
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

Storage Time Correction Factors for Fish & Crustacea  
 Harvest Time = t - 1.92E-02 yr; Consumption Time = t yr

Parent (i)	Product (j)	Branch Fraction*	CFF(j,1,t)#							
-----	-----	-----	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60	Co-60	1.000E+00	1.000E+00	9.975E-01	9.975E-01	9.975E-01	9.975E-01	9.975E-01	9.975E-01	9.975E-01
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 #Correction factor = (concentration in media at consumption time)/(concentration at harvest time).





Area and Depth Factors for Plant (p=3), Meat (p=4), and Milk (p=5) Pathways  
Overhead Irrigation (q=4)

Area Factor for Plant Foods [FA(3)] = 0.50

The Depth Factor Value  
FD(i,p,q,t) = 1.0000E+00

is applicable for all radionuclides(i) and times(t).

0

Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways  
Transfer from Livestock Water (q=5) and Soil (q=6) Intake

Area Factor for Meat and Milk [FA(p),p=4,5] = 1.00

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)  
occur only for the meat (p=4) and milk (p=5) pathways.

0

Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways  
Transfer from Livestock Water (q=5) and Soil (q=6) Intake

Area Factor for Meat and Milk [FA(p),p=4,5] = 1.00

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)  
occur only for the meat (p=4) and milk (p=5) pathways.

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Ditch Irrigation (q=3)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Overhead Irrigation (q=4)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,1,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Ditch Irrigation (q=3)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Overhead Irrigation (q=4)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)

Subpathway: Livestock Water (q=5)

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,5,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Ditch Irrigation (q=3)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Overhead Irrigation (q=4)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Livestock Water (q=5)

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,5,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose Conversion and Environmental Transport Factors for the Fish Pathway (p=6)

Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

0

Dose Conversion and Environmental Transport Factors for the Drinking Water Pathway (p=7)

Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)

Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent	Product	Branch	DSR(j,3,t)	DSR(j,3,t) (mrem/yr)/(pCi/g)							
(i)	(j)	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1)*BRF(2)* \dots BRF(j)$ .  
 The DSR includes contributions from associated (half-life  $\leq$  0.5 yr) daughters.



Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1) * BRF(2) * \dots * BRF(j)$ .  
 The DSR includes contributions from associated (half-life  $\leq$  0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1) * BRF(2) * \dots * BRF(j)$ .  
 The DSR includes contributions from associated (half-life  $\leq$  0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t =	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t =	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t =	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch	Fraction*	t =	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1)*BRF(2)* \dots BRF(j)$ .  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1)*BRF(2)* \dots BRF(j)$ .  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from the Ingestion of Fish (p=6)  
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1) * BRF(2) * \dots * BRF(j)$ .  
 The DSR includes contributions from associated (half-life  $\leq$  0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  $CUMBRF(j) = BRF(1) * BRF(2) * \dots * BRF(j)$ .  
 The DSR includes contributions from associated (half-life  $\leq$  0.5 yr) daughters.

Plant/Air and Plant/Water Concentration Ratios

Mass loading [ASR(3)]: 1.000E-04 g/m\*\*3  
 Area Factor for Mass Loading [FA(2)]: 2.361E-01

0Nuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
Co-60	5.4545E-02	2.6156E-01	9.0653E-06	1.3329E-05	3.4522E-04	1.6554E-03

FAR(i,p,q,k) is the plant/air concentration ratio for airborne contaminated dust,  
 and FWR(i,p,q,k) is the plant/water concentration ratio. See groundwater displays  
 for water/soil concentration ratios.

Plant/Soil Concentration Ratios, FSR(i,3,q,k,t)  
 Root Uptake (q=1) and Foliar Dust Deposition (q=2)  
 Nonleafy (k=1) and/or Leafy (k=2) Vegetables

0Nuclide (i)	Parent Product	FSR(i,3,1,k)	FSR(i,3,2,1)	FSR(i,3,2,2)
Co-60	Co-60	8.0000E-02	1.2876E-06	6.1745E-06

Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)  
 Ditch Irrigation (q=3)

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)  
 Overhead Irrigation (q=4) and Nonleafy Vegetables (k=1)

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)  
 Overhead Irrigation (q=4) and Leafy Vegetables (k=2)

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03





Meat/Fodder, Milk/Fodder, Fodder/Air and Fodder/Water Concentration Ratios

0	FI(4,q):	68.0 kg/day	FI(5,q):	55.0 kg/day	q=1,2,3,4
	FI(4,q):	50.0 L/day	FI(5,q):	160.0 L/day	q=5
	FI(4,q):	0.5 kg/day	FI(5,q):		
ONuclide	FQR(i,4)	FQR(i,5)	FAR(i,3,2,3)	FWR(i,3,3,3)	FWR(i,3,4,3)
(i)	d/kg	d/kg	m**3/g	L/g	L/g
-----	-----	-----	-----	-----	-----
Co-60	2.0000E-02	2.0000E-03	2.8659E-01	4.2663E-06	1.8139E-03
=====	=====	=====	=====	=====	=====

FI(p,q) are the fodder (q=1,2,3,4), livestock water (q=5) and soil (q=6) intake rates;  
 FQR(i,p) are the transfer coefficients from contaminated fodder of livestock  
 water to meat (p=4) or milk (p=5). FAR(i,3,2,3) are the fodder/air  
 concentration ratios, and FWR(i,3,3,3) and FWR(i,3,4,3) are the fodder/  
 water concentration ratios for ditch and overhead irrigation, respectively.

Fodder/Soil Concentration Ratios,  $QSR(i,p,q,t)$ , for Meat and Milk Pathways  
 Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i)			
Parent	Product	$QSR(i,p,1)$	$QSR(i,p,2)$
Co-60	Co-60	8.0000E-02	6.7655E-06

0

Fodder/Soil Concentration Ratio,  $QSR(j,p,q,t)$ , for Meat and Milk Pathways  
 Ditch Irrigation (q=3)

Parent (i)	Product (j)	Branch Fraction*	t=	$QSR(j,p,3,t) * SF(j,t)$								
Co-60	Co-60	1.000E+00		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	0.000E+00

0

Fodder/Soil Concentration Ratio,  $QSR(j,p,q,t)$ , for Meat and Milk Pathways  
 Overhead Irrigation (q=4)

Parent (i)	Product (j)	Branch Fraction*	t=	$QSR(j,p,4,t) * SF(j,t)$								
Co-60	Co-60	1.000E+00		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	0.000E+00

0

Fodder/Soil Concentration Ratio,  $QSR(j,p,q,t)$ , for Meat and Milk Pathways  
 Livestock Water (q=5)

Parent (i)	Product (j)	Branch Fraction*	t=	$QSR(j,p,5,t) * SF(j,t)$								
Co-60	Co-60	1.000E+00		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	0.000E+00





Dose/Source Ratios for Soil Ingestion Pathway (p=8)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	DSR(j,8,t) (mrem/yr) / (pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	1.000E+00	1.905E-05	1.655E-05	1.249E-05	4.658E-06	2.739E-07	9.619E-12	0.000E+00	0.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

0

Dose Conversion and Environmental Transport Factors for the Soil Ingestion Pathway (p=8)

Parent (i)	Product (j)	DCF(j,8)*	ETF(j,8,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Co-60	Co-60	2.690E-05	7.592E-01	7.541E-01	7.440E-01	7.086E-01	6.074E-01	2.531E-01	0.000E+00	0.000E+00

\* - The dose conversion factor units are mrem/pCi.

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Cancer Risk Slope Factors Summary Table  
 File: Default.LIB

Menu	Parameter	Current Value	Default	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Co-60	9.80E-06	9.80E-06	SLPF( 1,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Co-60	6.90E-11	6.90E-11	SLPF( 1,2)
Sf-3	Ingestion, slope factors, 1/(pCi):			
Sf-3	Co-60	1.90E-11	1.90E-11	SLPF( 1,3)

=====

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 0.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Co-60	4.063E-01	0.000E+00	0.000E+00	0.000E+00	7.478E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.478E+01

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	5.068E-04	0.9999	8.410E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.263E-08	0.0001
Total	5.068E-04	0.9999	8.410E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.263E-08	0.0001

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.068E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.068E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	5.068E-04	0.9999	8.410E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.263E-08	0.0001
Total	5.068E-04	0.9999	8.410E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.263E-08	0.0001



Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 0.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.068E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.068E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 1.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Co-60	3.530E-01	0.000E+00	0.000E+00	0.000E+00	6.497E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.497E+01

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	4.422E-04	0.9999	7.307E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.703E-08	0.0001
Total	4.422E-04	0.9999	7.307E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.703E-08	0.0001

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.423E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.423E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	4.422E-04	0.9999	7.307E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.703E-08	0.0001
Total	4.422E-04	0.9999	7.307E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.703E-08	0.0001

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.423E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.423E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 3.000E+00 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Co-60	2.664E-01	0.000E+00	0.000E+00	0.000E+00	4.904E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.904E+01

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	3.368E-04	0.9999	5.515E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.795E-08	0.0001
Total	3.368E-04	0.9999	5.515E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.795E-08	0.0001

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.368E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.368E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	3.368E-04	0.9999	5.515E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.795E-08	0.0001
Total	3.368E-04	0.9999	5.515E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.795E-08	0.0001

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+00 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.368E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.368E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 1.000E+01 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Co-60	9.935E-02	0.000E+00	0.000E+00	0.000E+00	1.829E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.829E+01

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

0

Radio- Nuclide	Water Independent Pathways (Inhalation excludes radon)											
	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	1.297E-04	0.9999	2.057E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.042E-08	0.0001
Total	1.297E-04	0.9999	2.057E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.042E-08	0.0001

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.297E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.297E-04	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

0

Radio- Nuclide	Water Independent Pathways (Inhalation excludes radon)													
	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	1.297E-04	0.9999	2.057E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.042E-08	0.0001
Total	1.297E-04	0.9999	2.057E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.042E-08	0.0001

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.297E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.297E-04	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 3.000E+01 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Co-60	5.846E-03	0.000E+00	0.000E+00	0.000E+00	1.076E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.076E+00

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

0  
 Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	8.389E-06	0.9999	1.210E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.134E-10	0.0001
Total	8.389E-06	0.9999	1.210E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.134E-10	0.0001

0  
 Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.389E-06	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.389E-06	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0  
 Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	8.389E-06	0.9999	1.210E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.134E-10	0.0001
Total	8.389E-06	0.9999	1.210E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.134E-10	0.0001



Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+01 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.389E-06	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.389E-06	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 As pCi/yr at t= 1.000E+02 years

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Co-60	2.065E-07	0.000E+00	0.000E+00	0.000E+00	3.801E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.801E-05

\* Sum of all ingestion pathways, i.e. water independent plant, meat, milk, soil  
 and water-dependent water, fish, plant, meat, milk pathways

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

0

Radio- Nuclide	Water Independent Pathways (Inhalation excludes radon)											
	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	4.467E-10	1.0000	4.274E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.166E-14	0.0000
Total	4.467E-10	1.0000	4.274E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.166E-14	0.0000

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.467E-10	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.467E-10	1.0000

\*\* Sum of water independent ground, inhalation, plant, meat, milk, soil  
 and water dependent water, fish, plant, meat, milk pathways

0

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

0

Radio- Nuclide	Water Independent Pathways (Inhalation excludes radon)													
	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	4.467E-10	1.0000	4.274E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.166E-14	0.0000
Total	4.467E-10	1.0000	4.274E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.166E-14	0.0000

Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.467E-10	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.467E-10	1.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides



Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides



Total Excess Cancer Risk CNRSI(i,p,t)\*\*\* for Initially Existent Radionuclides (i) and Pathways (p)  
 and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

\*\*\*CNRSI(i,p,t) includes contribution from decay daughter radionuclides

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Time= 1.000E+03 .....	9



Concentration of radionuclides in environmental media  
 at t = 0.000E+00 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	9.850E+01	9.850E+01	2.325E-03	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 0.000E+00 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	1.313E+03	1.314E+03	1.314E+03	1.314E+03	2.772E+03	2.430E+02	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+00 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	8.615E+01	8.558E+01	2.020E-03	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+00 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	1.142E+03	1.142E+03	1.152E+03	1.143E+03	2.411E+03	2.113E+02	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 3.000E+00 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	6.591E+01	6.459E+01	1.525E-03	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 3.000E+00 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	8.616E+02	8.616E+02	8.693E+02	8.629E+02	1.820E+03	1.595E+02	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+01 years

Radio- Nuclide	Contaminat- ed Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	2.581E+01	2.409E+01	5.686E-04	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+01 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	3.213E+02	3.213E+02	3.242E+02	3.218E+02	6.788E+02	5.948E+01	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 3.000E+01 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	1.772E+00	1.417E+00	3.346E-05	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 3.000E+01 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	1.891E+01	1.891E+01	1.908E+01	1.894E+01	3.995E+01	3.500E+00	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+02 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	1.502E-04	5.006E-05	1.182E-09	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+02 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	6.681E-04	6.678E-04	6.753E-04	6.700E-04	1.413E-03	1.237E-04	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 3.000E+02 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	3.491E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 3.000E+02 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time.  
 For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in environmental media  
 at t = 1.000E+03 years

Radio- Nuclide	Contaminat- ted Zone pCi/g	Surface Soil* pCi/g	Air Par- ticulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*The Surface Soil is the top layer of soil within the user specified mixing zone/depth.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.

Concentration of radionuclides in foodstuff media  
 at t = 1.000E+03 years\*

Radio- Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

\*Concentrations are at consumption time and include radioactive decay and ingrowth during storage time. For livestock fodder, consumption time is t minus meat or milk storage time.

Concentrations in the media occurring in pathways that are suppressed are calculated using the current input parameters, i.e. using parameters appearing in the input screen when the pathways are active.



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Total Dose Components Summed to Daughter	
Time = 0.000E+00 years .....	2
Time = 1.000E+00 years .....	3
Time = 3.000E+00 years .....	4
Time = 1.000E+01 years .....	5
Time = 3.000E+01 years .....	6
Time = 1.000E+02 years .....	7
Time = 3.000E+02 years .....	8
Time = 1.000E+03 years .....	9

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
in mrem/yr at t = 0.000E+00 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Co-60	2.61E+01	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E+01
Total	2.61E+01	8.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
in mrem/yr at t = 1.000E+00 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways						ALL		
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat		Milk	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Co-60	2.28E+01	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E+01
Total	2.28E+01	7.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 3.000E+00 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Co-60	1.73E+01	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+01
Total	1.73E+01	5.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E+01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
in mrem/yr at t = 1.000E+01 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Co-60	6.68E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E+00
Total	6.68E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E+00

0\*Sum of all water independent and dependent pathways.

Dose From Radionuclides at Point of Action CE Windsor Site, Recreational Visitor Scenario, Byproduct  
File: RECREATB.RAD

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
in mrem/yr at t = 3.000E+01 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways						ALL		
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat		Milk	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Co-60	4.32E-01	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-01
Total	4.32E-01	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-01

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
in mrem/yr at t = 1.000E+02 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways						ALL		
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat		Milk	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Co-60	2.29E-05	4.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05
Total	2.29E-05	4.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05

0\*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 3.000E+02 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Co-60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0\*Sum of all water independent and dependent pathways.



Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)  
 in mrem/yr at t = 1.000E+03 years

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Co-60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0\*Sum of all water independent and dependent pathways.

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Monte Carlo Input  
 Number of Sample Runs: 300

Number	Name	Distribution	Parameters			
1	H (1)	BOUNDED LOGNORMAL-N	.693	.25	1	4
2	RUNOFF	UNIFORM	.1	.8		
3	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
4	DWIBWT	TRIANGULAR	6	10	30	
5	INHALR	TRIANGULAR	4380	8400	13100	
6	SOIL	TRIANGULAR	0	18.3	36.5	
7	H (2)	BOUNDED LOGNORMAL-N	1.386	.6	2	17
8	THICK0	TRIANGULAR	0	.075	.3	
9	DM	TRIANGULAR	0	.15	.6	
10	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
11	DCACTC (1)	LOGNORMAL-N	5.46	2.53		
12	DCACTU1 (1)	LOGNORMAL-N	5.46	2.53		
13	DCACTU2 (1)	LOGNORMAL-N	5.46	2.53		
14	DCACTS (1)	LOGNORMAL-N	5.46	2.53		
15	FR9	TRIANGULAR	0	.39	1	
16	FOTD	TRIANGULAR	0	.0208	.034	

0 Monte Carlo Total Dose Summary											
0Nuclide	Peak	Peak	DOSE(j,t), mrem/yr								
(j)	Time	Dose	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60											
Min	0.00E+00	1.55E+00	1.55E+00	2.91E-04	7.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	4.26E+01	4.26E+01	3.69E+01	2.77E+01	1.02E+01	6.81E-01	5.62E-05	7.41E-17	0.00E+00	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.57E+01	1.12E+01	3.81E+00	2.05E-01	7.77E-06	7.86E-19	0.00E+00	0.00E+00
Std	0.00E+00	9.43E+00	9.43E+00	8.59E+00	6.73E+00	2.72E+00	1.85E-01	1.21E-05	5.84E-18	0.00E+00	0.00E+00
äALL											
Min	0.00E+00	1.55E+00	1.55E+00	2.91E-04	7.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	4.26E+01	4.26E+01	3.69E+01	2.77E+01	1.02E+01	6.81E-01	5.62E-05	7.41E-17	0.00E+00	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.57E+01	1.12E+01	3.81E+00	2.05E-01	7.77E-06	7.86E-19	0.00E+00	0.00E+00
Std	0.00E+00	9.43E+00	9.43E+00	8.59E+00	6.73E+00	2.72E+00	1.85E-01	1.21E-05	5.84E-18	0.00E+00	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total dose summed for all nuclides.

0 Monte Carlo Risk Summary									
0Nuclide	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	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
Min	3.07E-05	4.62E-08	1.16E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.30E-04	7.19E-04	5.39E-04	1.98E-04	1.32E-05	1.09E-09	1.67E-21	0.00E+00	0.00E+00
Avg	3.86E-04	3.11E-04	2.21E-04	7.45E-05	3.99E-06	1.52E-10	1.78E-23	0.00E+00	0.00E+00
Std	1.79E-04	1.65E-04	1.30E-04	5.26E-05	3.58E-06	2.35E-10	1.32E-22	0.00E+00	0.00E+00
äALL									
Min	3.07E-05	4.62E-08	1.16E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.30E-04	7.19E-04	5.39E-04	1.98E-04	1.32E-05	1.09E-09	1.67E-21	0.00E+00	0.00E+00
Avg	3.86E-04	3.11E-04	2.21E-04	7.45E-05	3.99E-06	1.52E-10	1.78E-23	0.00E+00	0.00E+00
Std	1.79E-04	1.65E-04	1.30E-04	5.26E-05	3.58E-06	2.35E-10	1.32E-22	0.00E+00	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total risk summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Ground External							
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
Min	1.55E+00	2.91E-04	7.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.26E+01	3.69E+01	2.77E+01	1.02E+01	6.81E-01	5.62E-05	0.00E+00	0.00E+00	0.00E+00
Avg	1.90E+01	1.57E+01	1.12E+01	3.81E+00	2.05E-01	7.75E-06	0.00E+00	0.00E+00	0.00E+00
Std	9.43E+00	8.59E+00	6.73E+00	2.72E+00	1.85E-01	1.21E-05	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	1.55E+00	2.91E-04	7.30E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.26E+01	3.69E+01	2.77E+01	1.02E+01	6.81E-01	5.62E-05	0.00E+00	0.00E+00	0.00E+00
Avg	1.90E+01	1.57E+01	1.12E+01	3.81E+00	2.05E-01	7.75E-06	0.00E+00	0.00E+00	0.00E+00
Std	9.43E+00	8.59E+00	6.73E+00	2.72E+00	1.85E-01	1.21E-05	0.00E+00	0.00E+00	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Inhalation (w/o Radon)									
0Nuclide	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	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
Min	2.01E-07	7.56E-11	1.87E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.67E-05	4.90E-05	3.65E-05	1.31E-05	7.00E-07	3.96E-11	0.00E+00	0.00E+00	0.00E+00
Avg	9.89E-06	8.25E-06	5.93E-06	2.01E-06	1.04E-07	3.07E-12	0.00E+00	0.00E+00	0.00E+00
Std	9.24E-06	8.05E-06	6.07E-06	2.26E-06	1.35E-07	6.23E-12	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	2.01E-07	7.56E-11	1.87E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.67E-05	4.90E-05	3.65E-05	1.31E-05	7.00E-07	3.96E-11	0.00E+00	0.00E+00	0.00E+00
Avg	9.89E-06	8.25E-06	5.93E-06	2.01E-06	1.04E-07	3.07E-12	0.00E+00	0.00E+00	0.00E+00
Std	9.24E-06	8.05E-06	6.07E-06	2.26E-06	1.35E-07	6.23E-12	0.00E+00	0.00E+00	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Radon (Water Ind.)									
0Nuclide	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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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
äALL									
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
=====		=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.



0 Monte Carlo Dose vs Pathway(i): Plant (Water Ind.)									
0Nuclide	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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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	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	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	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	0.00E+00
äALL									
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	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	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	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	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Meat (Water Ind.)							
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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	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	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	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	0.00E+00
äALL									
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	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	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	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	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Milk (Water Ind.)							
0Nuclide		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
-----		-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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
äALL									
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
=====		=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Soil Ingestion

0Nuclide (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
-----									
Co-60									
Min		2.14E-06	3.76E-09	9.33E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.23E-03	1.96E-03	1.50E-03	5.97E-04	4.26E-05	2.24E-09	0.00E+00	0.00E+00
Avg		4.42E-04	3.68E-04	2.64E-04	9.00E-05	4.77E-06	1.56E-10	0.00E+00	0.00E+00
Std		3.91E-04	3.40E-04	2.57E-04	9.83E-05	6.33E-06	3.36E-10	0.00E+00	0.00E+00
äALL									
Min		2.14E-06	3.76E-09	9.33E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.23E-03	1.96E-03	1.50E-03	5.97E-04	4.26E-05	2.24E-09	0.00E+00	0.00E+00
Avg		4.42E-04	3.68E-04	2.64E-04	9.00E-05	4.77E-06	1.56E-10	0.00E+00	0.00E+00
Std		3.91E-04	3.40E-04	2.57E-04	9.83E-05	6.33E-06	3.36E-10	0.00E+00	0.00E+00
=====									

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Water Ingestion									
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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	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	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	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	0.00E+00
äALL									
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	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	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	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	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Fish Ingestion

0Nuclide (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
-----									
Co-60									
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	4.37E-06	7.41E-17	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	7.86E-19	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.84E-18	0.00E+00
äALL									
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	4.37E-06	7.41E-17	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-08	7.86E-19	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-07	5.84E-18	0.00E+00
=====									

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Radon (Water Dep.)									
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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	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	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	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	0.00E+00
äALL									
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	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	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	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	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

		Monte Carlo Dose vs Pathway(i): Plant (Water Dep.)							
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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	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	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	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	0.00E+00
äALL									
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	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	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	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	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.



0		Monte Carlo Dose vs Pathway(i): Meat (Water Dep.)							
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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
äALL									
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
=====		=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0		Monte Carlo Dose vs Pathway(i): Milk (Water Dep.)							
0Nuclide		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
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	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	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	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	0.00E+00
äALL									
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	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	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	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	0.00E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

MC 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	2.90E+00	1.00E+00	3.18E-02	9.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	4.14E+00	1.96E+00	2.75E-01	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.075	5.00E+00	2.71E+00	9.26E-01	1.48E-02	3.63E-18	0.00E+00	0.00E+00	0.00E+00
0.100	5.83E+00	3.48E+00	1.57E+00	1.00E-01	2.74E-10	0.00E+00	0.00E+00	0.00E+00
0.125	6.83E+00	4.06E+00	2.53E+00	2.56E-01	5.94E-06	0.00E+00	0.00E+00	0.00E+00
0.150	7.40E+00	5.06E+00	3.21E+00	5.12E-01	4.75E-05	0.00E+00	0.00E+00	0.00E+00
0.175	8.33E+00	5.88E+00	3.89E+00	6.62E-01	1.03E-03	0.00E+00	0.00E+00	0.00E+00
0.200	9.58E+00	7.19E+00	4.65E+00	7.83E-01	2.48E-03	0.00E+00	0.00E+00	0.00E+00
0.225	1.06E+01	8.17E+00	5.29E+00	1.06E+00	8.31E-03	0.00E+00	0.00E+00	0.00E+00
0.250	1.20E+01	9.09E+00	5.90E+00	1.31E+00	1.41E-02	0.00E+00	0.00E+00	0.00E+00
0.275	1.23E+01	9.50E+00	6.25E+00	1.60E+00	3.41E-02	0.00E+00	0.00E+00	0.00E+00
0.300	1.34E+01	1.05E+01	6.70E+00	1.83E+00	4.61E-02	0.00E+00	0.00E+00	0.00E+00
0.325	1.42E+01	1.15E+01	7.98E+00	2.10E+00	6.67E-02	0.00E+00	0.00E+00	0.00E+00
0.350	1.48E+01	1.21E+01	8.40E+00	2.33E+00	8.57E-02	0.00E+00	0.00E+00	0.00E+00
0.375	1.56E+01	1.28E+01	8.82E+00	2.66E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00
0.400	1.61E+01	1.32E+01	9.43E+00	2.93E+00	1.13E-01	0.00E+00	0.00E+00	0.00E+00
0.425	1.74E+01	1.40E+01	9.94E+00	3.17E+00	1.22E-01	4.64E-24	0.00E+00	0.00E+00
0.450	1.79E+01	1.49E+01	1.03E+01	3.43E+00	1.32E-01	4.23E-14	0.00E+00	0.00E+00
0.475	1.83E+01	1.53E+01	1.10E+01	3.62E+00	1.46E-01	2.54E-10	0.00E+00	0.00E+00
0.500	1.90E+01	1.58E+01	1.13E+01	3.88E+00	1.62E-01	5.13E-08	0.00E+00	0.00E+00
0.525	1.96E+01	1.66E+01	1.17E+01	3.94E+00	1.81E-01	2.89E-07	0.00E+00	0.00E+00
0.550	2.03E+01	1.74E+01	1.23E+01	4.14E+00	2.05E-01	7.17E-07	0.00E+00	0.00E+00
0.575	2.10E+01	1.79E+01	1.29E+01	4.33E+00	2.23E-01	1.75E-06	0.00E+00	0.00E+00
0.600	2.12E+01	1.82E+01	1.33E+01	4.58E+00	2.33E-01	2.74E-06	0.00E+00	0.00E+00
0.625	2.18E+01	1.86E+01	1.34E+01	4.77E+00	2.59E-01	3.92E-06	0.00E+00	0.00E+00
0.650	2.25E+01	1.90E+01	1.38E+01	4.93E+00	2.85E-01	4.91E-06	0.00E+00	0.00E+00
0.675	2.36E+01	2.01E+01	1.44E+01	5.10E+00	2.99E-01	6.29E-06	0.00E+00	0.00E+00
0.700	2.44E+01	2.08E+01	1.52E+01	5.29E+00	3.23E-01	7.60E-06	0.00E+00	0.00E+00
0.725	2.52E+01	2.14E+01	1.57E+01	5.52E+00	3.35E-01	9.59E-06	0.00E+00	0.00E+00
0.750	2.65E+01	2.22E+01	1.65E+01	5.81E+00	3.51E-01	1.34E-05	0.00E+00	0.00E+00
0.775	2.71E+01	2.32E+01	1.69E+01	6.22E+00	3.62E-01	1.66E-05	0.00E+00	0.00E+00
0.800	2.76E+01	2.37E+01	1.76E+01	6.40E+00	3.79E-01	1.93E-05	0.00E+00	0.00E+00
0.825	2.82E+01	2.40E+01	1.80E+01	6.61E+00	4.05E-01	2.04E-05	0.00E+00	0.00E+00
0.850	2.93E+01	2.47E+01	1.84E+01	6.85E+00	4.24E-01	2.29E-05	0.00E+00	0.00E+00
0.875	3.03E+01	2.58E+01	1.91E+01	7.25E+00	4.41E-01	2.43E-05	0.00E+00	0.00E+00
0.900	3.17E+01	2.70E+01	2.02E+01	7.66E+00	4.83E-01	2.75E-05	0.00E+00	0.00E+00
0.925	3.27E+01	2.80E+01	2.12E+01	7.97E+00	5.01E-01	2.96E-05	0.00E+00	0.00E+00
0.950	3.55E+01	3.09E+01	2.30E+01	8.53E+00	5.43E-01	3.39E-05	0.00E+00	0.00E+00
0.975	3.77E+01	3.27E+01	2.42E+01	9.19E+00	5.79E-01	3.93E-05	3.90E-18	0.00E+00
1.000	4.26E+01	3.69E+01	2.77E+01	1.02E+01	6.81E-01	5.62E-05	7.41E-17	0.00E+00

Summary of dose at graphical times, reptition 1  
 Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.55E+00	3.76E+01	1.90E+01	1.82E+01	3.17E+01	3.57E+01	3.71E+01	3.76E+01
1.00E+00	2.91E-04	3.27E+01	1.57E+01	1.53E+01	2.72E+01	3.10E+01	3.20E+01	3.27E+01
1.06E+00	1.75E-04	3.24E+01	1.56E+01	1.51E+01	2.70E+01	3.08E+01	3.18E+01	3.24E+01
1.12E+00	1.02E-04	3.21E+01	1.54E+01	1.50E+01	2.68E+01	3.05E+01	3.15E+01	3.21E+01
1.19E+00	5.76E-05	3.19E+01	1.52E+01	1.49E+01	2.66E+01	3.03E+01	3.12E+01	3.19E+01
1.25E+00	3.15E-05	3.16E+01	1.51E+01	1.47E+01	2.63E+01	3.00E+01	3.09E+01	3.16E+01
1.33E+00	1.66E-05	3.13E+01	1.49E+01	1.46E+01	2.61E+01	2.97E+01	3.05E+01	3.13E+01
1.40E+00	8.44E-06	3.09E+01	1.47E+01	1.44E+01	2.58E+01	2.94E+01	3.02E+01	3.09E+01
1.49E+00	4.13E-06	3.06E+01	1.45E+01	1.43E+01	2.55E+01	2.90E+01	2.99E+01	3.06E+01
1.57E+00	1.93E-06	3.02E+01	1.43E+01	1.41E+01	2.52E+01	2.87E+01	2.95E+01	3.02E+01
1.66E+00	8.67E-07	2.99E+01	1.40E+01	1.39E+01	2.49E+01	2.83E+01	2.91E+01	2.99E+01
1.76E+00	3.71E-07	2.95E+01	1.38E+01	1.37E+01	2.46E+01	2.80E+01	2.87E+01	2.95E+01
1.86E+00	1.51E-07	2.91E+01	1.36E+01	1.34E+01	2.42E+01	2.76E+01	2.83E+01	2.91E+01
1.97E+00	5.85E-08	2.87E+01	1.33E+01	1.31E+01	2.39E+01	2.72E+01	2.79E+01	2.87E+01
2.09E+00	2.14E-08	2.82E+01	1.31E+01	1.29E+01	2.35E+01	2.67E+01	2.75E+01	2.82E+01
2.21E+00	7.38E-09	2.78E+01	1.28E+01	1.27E+01	2.31E+01	2.63E+01	2.70E+01	2.78E+01
2.34E+00	2.39E-09	2.73E+01	1.26E+01	1.23E+01	2.27E+01	2.58E+01	2.65E+01	2.73E+01
2.47E+00	7.26E-10	2.68E+01	1.23E+01	1.19E+01	2.23E+01	2.52E+01	2.60E+01	2.68E+01
2.62E+00	2.06E-10	2.63E+01	1.20E+01	1.17E+01	2.19E+01	2.46E+01	2.55E+01	2.63E+01
2.77E+00	5.42E-11	2.57E+01	1.17E+01	1.14E+01	2.14E+01	2.41E+01	2.50E+01	2.57E+01
2.93E+00	1.32E-11	2.52E+01	1.14E+01	1.12E+01	2.10E+01	2.34E+01	2.44E+01	2.52E+01
3.00E+00	7.30E-12	2.50E+01	1.13E+01	1.11E+01	2.08E+01	2.32E+01	2.42E+01	2.50E+01
3.10E+00	2.96E-12	2.46E+01	1.11E+01	1.09E+01	2.05E+01	2.28E+01	2.39E+01	2.46E+01
3.28E+00	6.08E-13	2.40E+01	1.08E+01	1.06E+01	2.00E+01	2.22E+01	2.33E+01	2.40E+01
3.48E+00	1.14E-13	2.34E+01	1.04E+01	1.03E+01	1.95E+01	2.15E+01	2.27E+01	2.34E+01
3.68E+00	1.94E-14	2.28E+01	1.01E+01	9.93E+00	1.89E+01	2.08E+01	2.20E+01	2.28E+01
3.89E+00	2.97E-15	2.21E+01	9.77E+00	9.53E+00	1.84E+01	2.01E+01	2.14E+01	2.21E+01
4.12E+00	4.09E-16	2.15E+01	9.43E+00	9.23E+00	1.78E+01	1.94E+01	2.07E+01	2.15E+01
4.36E+00	5.01E-17	2.08E+01	9.08E+00	8.93E+00	1.73E+01	1.87E+01	2.01E+01	2.08E+01
4.61E+00	5.43E-18	2.01E+01	8.72E+00	8.62E+00	1.67E+01	1.80E+01	1.94E+01	2.01E+01
4.88E+00	5.17E-19	1.94E+01	8.36E+00	8.30E+00	1.61E+01	1.72E+01	1.87E+01	1.94E+01
5.17E+00	4.30E-20	1.86E+01	8.00E+00	7.92E+00	1.55E+01	1.65E+01	1.80E+01	1.86E+01
5.47E+00	3.09E-21	1.79E+01	7.63E+00	7.53E+00	1.49E+01	1.57E+01	1.73E+01	1.79E+01
5.78E+00	1.90E-22	1.72E+01	7.26E+00	7.16E+00	1.42E+01	1.50E+01	1.66E+01	1.71E+01
6.12E+00	9.96E-24	1.64E+01	6.89E+00	6.83E+00	1.36E+01	1.43E+01	1.58E+01	1.64E+01
6.48E+00	4.39E-25	1.56E+01	6.52E+00	6.51E+00	1.30E+01	1.36E+01	1.51E+01	1.56E+01
6.86E+00	1.62E-26	1.48E+01	6.16E+00	6.18E+00	1.23E+01	1.30E+01	1.43E+01	1.48E+01
7.26E+00	4.90E-28	1.41E+01	5.79E+00	5.85E+00	1.17E+01	1.23E+01	1.36E+01	1.41E+01
7.68E+00	0.00E+00	1.33E+01	5.43E+00	5.53E+00	1.10E+01	1.16E+01	1.28E+01	1.33E+01
8.13E+00	0.00E+00	1.25E+01	5.07E+00	5.20E+00	1.02E+01	1.10E+01	1.21E+01	1.25E+01
8.60E+00	0.00E+00	1.17E+01	4.72E+00	4.85E+00	9.55E+00	1.03E+01	1.13E+01	1.17E+01
9.10E+00	0.00E+00	1.10E+01	4.37E+00	4.47E+00	8.92E+00	9.64E+00	1.06E+01	1.10E+01
9.63E+00	0.00E+00	1.02E+01	4.04E+00	4.11E+00	8.30E+00	8.99E+00	9.85E+00	1.02E+01
1.00E+01	0.00E+00	9.72E+00	3.82E+00	3.85E+00	7.89E+00	8.56E+00	9.37E+00	9.72E+00
1.02E+01	0.00E+00	9.47E+00	3.71E+00	3.71E+00	7.69E+00	8.34E+00	9.14E+00	9.47E+00
1.08E+01	0.00E+00	8.75E+00	3.40E+00	3.31E+00	7.10E+00	7.71E+00	8.43E+00	8.75E+00

1.14E+01	0.00E+00	8.05E+00	3.09E+00	2.98E+00	6.53E+00	7.10E+00	7.74E+00	8.05E+00
1.21E+01	0.00E+00	7.37E+00	2.80E+00	2.66E+00	5.97E+00	6.45E+00	7.07E+00	7.37E+00
1.28E+01	0.00E+00	6.71E+00	2.52E+00	2.37E+00	5.43E+00	5.83E+00	6.43E+00	6.71E+00
1.35E+01	0.00E+00	6.08E+00	2.26E+00	2.10E+00	4.92E+00	5.24E+00	5.81E+00	6.08E+00
1.43E+01	0.00E+00	5.47E+00	2.01E+00	1.86E+00	4.42E+00	4.71E+00	5.22E+00	5.47E+00
1.51E+01	0.00E+00	4.90E+00	1.78E+00	1.63E+00	3.95E+00	4.21E+00	4.66E+00	4.90E+00
1.60E+01	0.00E+00	4.36E+00	1.56E+00	1.43E+00	3.50E+00	3.74E+00	4.13E+00	4.36E+00
1.70E+01	0.00E+00	3.85E+00	1.36E+00	1.25E+00	3.08E+00	3.30E+00	3.64E+00	3.85E+00
1.80E+01	0.00E+00	3.37E+00	1.18E+00	1.06E+00	2.68E+00	2.89E+00	3.18E+00	3.37E+00
1.90E+01	0.00E+00	2.94E+00	1.01E+00	8.99E-01	2.32E+00	2.51E+00	2.76E+00	2.94E+00
2.01E+01	0.00E+00	2.53E+00	8.63E-01	7.52E-01	1.99E+00	2.17E+00	2.37E+00	2.53E+00
2.13E+01	0.00E+00	2.17E+00	7.28E-01	6.23E-01	1.70E+00	1.85E+00	2.02E+00	2.17E+00
2.25E+01	0.00E+00	1.84E+00	6.08E-01	5.10E-01	1.43E+00	1.57E+00	1.71E+00	1.84E+00
2.38E+01	0.00E+00	1.55E+00	5.03E-01	4.12E-01	1.18E+00	1.32E+00	1.44E+00	1.54E+00
2.52E+01	0.00E+00	1.28E+00	4.12E-01	3.28E-01	9.71E-01	1.09E+00	1.19E+00	1.28E+00
2.67E+01	0.00E+00	1.06E+00	3.33E-01	2.58E-01	7.86E-01	8.99E-01	9.80E-01	1.06E+00
2.82E+01	0.00E+00	8.59E-01	2.66E-01	1.99E-01	6.30E-01	7.30E-01	7.96E-01	8.59E-01
2.99E+01	0.00E+00	6.90E-01	2.10E-01	1.51E-01	5.02E-01	5.86E-01	6.39E-01	6.90E-01
3.00E+01	0.00E+00	6.79E-01	2.06E-01	1.48E-01	4.94E-01	5.77E-01	6.29E-01	6.79E-01
3.16E+01	0.00E+00	5.47E-01	1.63E-01	1.13E-01	3.95E-01	4.62E-01	5.06E-01	5.47E-01
3.35E+01	0.00E+00	4.28E-01	1.25E-01	8.21E-02	3.06E-01	3.58E-01	3.96E-01	4.28E-01
3.54E+01	0.00E+00	3.30E-01	9.46E-02	5.93E-02	2.34E-01	2.74E-01	3.05E-01	3.30E-01
3.75E+01	0.00E+00	2.51E-01	7.03E-02	4.21E-02	1.75E-01	2.06E-01	2.31E-01	2.51E-01
3.97E+01	0.00E+00	1.87E-01	5.13E-02	3.01E-02	1.30E-01	1.52E-01	1.73E-01	1.87E-01
4.20E+01	0.00E+00	1.38E-01	3.68E-02	2.02E-02	9.40E-02	1.11E-01	1.27E-01	1.38E-01
4.44E+01	0.00E+00	9.94E-02	2.58E-02	1.35E-02	6.69E-02	7.90E-02	9.12E-02	9.93E-02
4.70E+01	0.00E+00	7.04E-02	1.78E-02	8.86E-03	4.67E-02	5.53E-02	6.45E-02	7.03E-02
4.97E+01	0.00E+00	4.88E-02	1.20E-02	5.63E-03	3.19E-02	3.82E-02	4.47E-02	4.88E-02
5.26E+01	0.00E+00	3.31E-02	7.86E-03	3.47E-03	2.12E-02	2.59E-02	3.03E-02	3.31E-02
5.57E+01	0.00E+00	2.20E-02	5.04E-03	2.13E-03	1.38E-02	1.71E-02	2.01E-02	2.20E-02
5.90E+01	0.00E+00	1.42E-02	3.15E-03	1.28E-03	8.74E-03	1.10E-02	1.30E-02	1.42E-02
6.24E+01	0.00E+00	8.98E-03	1.92E-03	7.38E-04	5.38E-03	6.94E-03	8.18E-03	8.98E-03
6.60E+01	0.00E+00	5.52E-03	1.13E-03	3.84E-04	3.21E-03	4.24E-03	5.01E-03	5.51E-03
6.99E+01	0.00E+00	3.29E-03	6.49E-04	1.95E-04	1.85E-03	2.52E-03	2.99E-03	3.29E-03
7.39E+01	0.00E+00	1.90E-03	3.58E-04	8.24E-05	1.03E-03	1.45E-03	1.73E-03	1.90E-03
7.82E+01	0.00E+00	1.07E-03	1.90E-04	3.66E-05	5.49E-04	8.10E-04	9.65E-04	1.07E-03
8.28E+01	0.00E+00	5.77E-04	9.79E-05	1.34E-05	2.82E-04	4.37E-04	5.21E-04	5.77E-04
8.76E+01	0.00E+00	3.01E-04	4.81E-05	5.41E-06	1.41E-04	2.27E-04	2.71E-04	3.01E-04
9.27E+01	0.00E+00	1.51E-04	2.25E-05	8.30E-07	6.85E-05	1.13E-04	1.36E-04	1.51E-04
9.81E+01	0.00E+00	7.24E-05	1.01E-05	7.35E-08	3.27E-05	5.41E-05	6.53E-05	7.24E-05
1.00E+02	0.00E+00	5.62E-05	7.60E-06	3.98E-08	2.54E-05	4.19E-05	5.07E-05	5.61E-05
1.04E+02	0.00E+00	3.33E-05	4.28E-06	2.19E-09	1.50E-05	2.48E-05	3.00E-05	3.33E-05
1.10E+02	0.00E+00	1.46E-05	1.74E-06	9.42E-16	6.28E-06	1.08E-05	1.32E-05	1.46E-05
1.16E+02	0.00E+00	6.05E-06	6.76E-07	8.44E-20	2.48E-06	4.41E-06	5.50E-06	6.05E-06
1.23E+02	0.00E+00	2.42E-06	2.46E-07	0.00E+00	9.07E-07	1.69E-06	2.16E-06	2.42E-06
1.30E+02	0.00E+00	9.15E-07	8.44E-08	0.00E+00	3.10E-07	6.05E-07	7.95E-07	9.15E-07
1.38E+02	0.00E+00	3.26E-07	2.73E-08	0.00E+00	9.73E-08	2.01E-07	2.74E-07	3.26E-07
1.46E+02	0.00E+00	1.09E-07	7.99E-09	0.00E+00	2.78E-08	6.08E-08	8.80E-08	1.09E-07
1.54E+02	0.00E+00	7.23E-08	2.93E-09	0.00E+00	8.01E-09	2.24E-08	3.14E-08	7.19E-08
1.63E+02	0.00E+00	2.22E-08	7.93E-10	0.00E+00	2.32E-09	6.13E-09	8.78E-09	2.21E-08
1.73E+02	0.00E+00	6.38E-09	1.93E-10	0.00E+00	5.69E-10	1.48E-09	2.22E-09	6.34E-09
1.83E+02	0.00E+00	1.69E-09	4.36E-11	0.00E+00	1.07E-10	3.13E-10	4.99E-10	1.68E-09



Summary of dose at graphical times, reptition 2  
 Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.57E+00	3.87E+01	1.90E+01	1.98E+01	3.02E+01	3.50E+01	3.85E+01	3.87E+01
1.00E+00	3.04E-01	3.38E+01	1.56E+01	1.62E+01	2.63E+01	3.03E+01	3.29E+01	3.38E+01
1.06E+00	2.52E-01	3.36E+01	1.54E+01	1.60E+01	2.61E+01	3.01E+01	3.26E+01	3.35E+01
1.12E+00	2.07E-01	3.33E+01	1.53E+01	1.59E+01	2.59E+01	2.98E+01	3.23E+01	3.33E+01
1.19E+00	1.68E-01	3.30E+01	1.51E+01	1.58E+01	2.57E+01	2.96E+01	3.20E+01	3.30E+01
1.25E+00	1.35E-01	3.27E+01	1.49E+01	1.56E+01	2.54E+01	2.93E+01	3.16E+01	3.27E+01
1.33E+00	1.07E-01	3.24E+01	1.47E+01	1.55E+01	2.52E+01	2.90E+01	3.13E+01	3.23E+01
1.40E+00	8.32E-02	3.20E+01	1.45E+01	1.53E+01	2.49E+01	2.87E+01	3.09E+01	3.20E+01
1.49E+00	6.40E-02	3.17E+01	1.43E+01	1.51E+01	2.46E+01	2.84E+01	3.05E+01	3.17E+01
1.57E+00	4.85E-02	3.13E+01	1.41E+01	1.50E+01	2.43E+01	2.80E+01	3.01E+01	3.13E+01
1.66E+00	3.62E-02	3.09E+01	1.39E+01	1.48E+01	2.40E+01	2.77E+01	2.96E+01	3.09E+01
1.76E+00	2.65E-02	3.05E+01	1.37E+01	1.46E+01	2.37E+01	2.73E+01	2.92E+01	3.05E+01
1.86E+00	1.91E-02	3.01E+01	1.34E+01	1.44E+01	2.34E+01	2.69E+01	2.87E+01	3.01E+01
1.97E+00	1.35E-02	2.97E+01	1.32E+01	1.42E+01	2.30E+01	2.65E+01	2.82E+01	2.96E+01
2.09E+00	9.32E-03	2.92E+01	1.29E+01	1.39E+01	2.26E+01	2.61E+01	2.77E+01	2.92E+01
2.21E+00	6.31E-03	2.87E+01	1.27E+01	1.37E+01	2.21E+01	2.57E+01	2.72E+01	2.87E+01
2.34E+00	4.18E-03	2.82E+01	1.24E+01	1.34E+01	2.17E+01	2.52E+01	2.66E+01	2.82E+01
2.47E+00	2.70E-03	2.77E+01	1.21E+01	1.30E+01	2.13E+01	2.47E+01	2.61E+01	2.77E+01
2.62E+00	1.70E-03	2.72E+01	1.19E+01	1.25E+01	2.09E+01	2.42E+01	2.55E+01	2.72E+01
2.77E+00	1.04E-03	2.66E+01	1.16E+01	1.20E+01	2.05E+01	2.37E+01	2.49E+01	2.66E+01
2.93E+00	6.22E-04	2.60E+01	1.13E+01	1.15E+01	2.00E+01	2.32E+01	2.43E+01	2.60E+01
3.00E+00	5.01E-04	2.58E+01	1.11E+01	1.14E+01	1.99E+01	2.30E+01	2.40E+01	2.58E+01
3.10E+00	3.60E-04	2.54E+01	1.10E+01	1.12E+01	1.96E+01	2.27E+01	2.36E+01	2.54E+01
3.28E+00	2.02E-04	2.48E+01	1.06E+01	1.09E+01	1.91E+01	2.21E+01	2.29E+01	2.48E+01
3.48E+00	1.09E-04	2.42E+01	1.03E+01	1.06E+01	1.86E+01	2.15E+01	2.23E+01	2.42E+01
3.68E+00	5.71E-05	2.35E+01	9.99E+00	1.03E+01	1.81E+01	2.09E+01	2.16E+01	2.35E+01
3.89E+00	2.87E-05	2.29E+01	9.66E+00	9.94E+00	1.76E+01	2.03E+01	2.09E+01	2.29E+01
4.12E+00	1.39E-05	2.22E+01	9.32E+00	9.61E+00	1.71E+01	1.97E+01	2.02E+01	2.22E+01
4.36E+00	6.44E-06	2.15E+01	8.98E+00	9.27E+00	1.65E+01	1.90E+01	1.95E+01	2.15E+01
4.61E+00	2.85E-06	2.07E+01	8.63E+00	8.93E+00	1.60E+01	1.84E+01	1.88E+01	2.07E+01
4.88E+00	1.21E-06	2.00E+01	8.27E+00	8.58E+00	1.54E+01	1.76E+01	1.81E+01	2.00E+01
5.17E+00	4.85E-07	1.92E+01	7.92E+00	8.22E+00	1.48E+01	1.68E+01	1.73E+01	1.92E+01
5.47E+00	1.85E-07	1.85E+01	7.56E+00	7.86E+00	1.42E+01	1.61E+01	1.66E+01	1.85E+01
5.78E+00	6.66E-08	1.77E+01	7.19E+00	7.50E+00	1.36E+01	1.53E+01	1.58E+01	1.77E+01
6.12E+00	2.26E-08	1.69E+01	6.83E+00	7.13E+00	1.30E+01	1.45E+01	1.51E+01	1.69E+01
6.48E+00	7.21E-09	1.61E+01	6.47E+00	6.77E+00	1.24E+01	1.38E+01	1.44E+01	1.61E+01
6.86E+00	2.15E-09	1.53E+01	6.11E+00	6.40E+00	1.18E+01	1.31E+01	1.37E+01	1.53E+01
7.26E+00	5.98E-10	1.45E+01	5.75E+00	5.99E+00	1.12E+01	1.24E+01	1.29E+01	1.45E+01
7.68E+00	1.54E-10	1.37E+01	5.39E+00	5.58E+00	1.05E+01	1.16E+01	1.22E+01	1.37E+01
8.13E+00	3.68E-11	1.29E+01	5.04E+00	5.18E+00	9.90E+00	1.08E+01	1.15E+01	1.29E+01
8.60E+00	8.07E-12	1.21E+01	4.69E+00	4.79E+00	9.28E+00	1.01E+01	1.07E+01	1.21E+01
9.10E+00	1.62E-12	1.13E+01	4.35E+00	4.41E+00	8.67E+00	9.30E+00	1.00E+01	1.13E+01
9.63E+00	2.96E-13	1.05E+01	4.02E+00	4.03E+00	8.07E+00	8.57E+00	9.31E+00	1.05E+01
1.00E+01	9.03E-14	1.00E+01	3.81E+00	3.79E+00	7.67E+00	8.09E+00	8.85E+00	9.98E+00
1.02E+01	4.91E-14	9.74E+00	3.70E+00	3.68E+00	7.47E+00	7.85E+00	8.62E+00	9.73E+00
1.08E+01	0.00E+00	8.99E+00	3.39E+00	3.33E+00	6.88E+00	7.19E+00	7.94E+00	8.98E+00

1.14E+01	0.00E+00	8.25E+00	3.08E+00	3.00E+00	6.30E+00	6.60E+00	7.28E+00	8.24E+00
1.21E+01	0.00E+00	7.54E+00	2.80E+00	2.70E+00	5.74E+00	6.02E+00	6.64E+00	7.53E+00
1.28E+01	0.00E+00	6.85E+00	2.52E+00	2.44E+00	5.21E+00	5.48E+00	6.02E+00	6.84E+00
1.35E+01	0.00E+00	6.19E+00	2.26E+00	2.19E+00	4.65E+00	4.95E+00	5.44E+00	6.19E+00
1.43E+01	0.00E+00	5.56E+00	2.01E+00	1.96E+00	4.12E+00	4.45E+00	4.87E+00	5.56E+00
1.51E+01	0.00E+00	4.97E+00	1.78E+00	1.74E+00	3.65E+00	3.97E+00	4.34E+00	4.96E+00
1.60E+01	0.00E+00	4.41E+00	1.56E+00	1.51E+00	3.24E+00	3.52E+00	3.85E+00	4.40E+00
1.70E+01	0.00E+00	3.88E+00	1.36E+00	1.28E+00	2.83E+00	3.10E+00	3.38E+00	3.88E+00
1.80E+01	0.00E+00	3.39E+00	1.18E+00	1.08E+00	2.47E+00	2.71E+00	2.95E+00	3.39E+00
1.90E+01	0.00E+00	2.94E+00	1.01E+00	9.13E-01	2.14E+00	2.35E+00	2.55E+00	2.94E+00
2.01E+01	0.00E+00	2.53E+00	8.60E-01	7.73E-01	1.84E+00	2.02E+00	2.19E+00	2.53E+00
2.13E+01	0.00E+00	2.16E+00	7.25E-01	6.48E-01	1.57E+00	1.72E+00	1.86E+00	2.15E+00
2.25E+01	0.00E+00	1.82E+00	6.05E-01	5.38E-01	1.33E+00	1.46E+00	1.57E+00	1.82E+00
2.38E+01	0.00E+00	1.52E+00	5.00E-01	4.36E-01	1.11E+00	1.22E+00	1.31E+00	1.52E+00
2.52E+01	0.00E+00	1.26E+00	4.09E-01	3.47E-01	9.21E-01	1.01E+00	1.08E+00	1.26E+00
2.67E+01	0.00E+00	1.03E+00	3.30E-01	2.76E-01	7.54E-01	8.32E-01	8.86E-01	1.03E+00
2.82E+01	0.00E+00	8.32E-01	2.64E-01	2.20E-01	6.11E-01	6.75E-01	7.15E-01	8.31E-01
2.99E+01	0.00E+00	6.64E-01	2.08E-01	1.73E-01	4.89E-01	5.41E-01	5.70E-01	6.64E-01
3.00E+01	0.00E+00	6.54E-01	2.05E-01	1.70E-01	4.81E-01	5.33E-01	5.61E-01	6.53E-01
3.16E+01	0.00E+00	5.23E-01	1.62E-01	1.32E-01	3.86E-01	4.29E-01	4.48E-01	5.23E-01
3.35E+01	0.00E+00	4.06E-01	1.24E-01	9.84E-02	3.01E-01	3.32E-01	3.48E-01	4.06E-01
3.54E+01	0.00E+00	3.11E-01	9.39E-02	7.23E-02	2.31E-01	2.53E-01	2.66E-01	3.10E-01
3.75E+01	0.00E+00	2.34E-01	6.98E-02	5.26E-02	1.74E-01	1.89E-01	2.00E-01	2.34E-01
3.97E+01	0.00E+00	1.73E-01	5.10E-02	3.79E-02	1.29E-01	1.40E-01	1.49E-01	1.73E-01
4.20E+01	0.00E+00	1.26E-01	3.66E-02	2.56E-02	9.43E-02	1.02E-01	1.08E-01	1.26E-01
4.44E+01	0.00E+00	8.97E-02	2.57E-02	1.74E-02	6.75E-02	7.27E-02	7.78E-02	8.96E-02
4.70E+01	0.00E+00	6.26E-02	1.77E-02	1.17E-02	4.74E-02	5.10E-02	5.47E-02	6.25E-02
4.97E+01	0.00E+00	4.28E-02	1.19E-02	7.63E-03	3.25E-02	3.49E-02	3.76E-02	4.27E-02
5.26E+01	0.00E+00	2.86E-02	7.82E-03	4.74E-03	2.18E-02	2.33E-02	2.53E-02	2.85E-02
5.57E+01	0.00E+00	1.86E-02	5.02E-03	2.81E-03	1.43E-02	1.51E-02	1.67E-02	1.86E-02
5.90E+01	0.00E+00	1.18E-02	3.14E-03	1.63E-03	9.14E-03	9.70E-03	1.07E-02	1.18E-02
6.24E+01	0.00E+00	7.26E-03	1.91E-03	9.57E-04	5.65E-03	6.10E-03	6.68E-03	7.25E-03
6.60E+01	0.00E+00	4.34E-03	1.13E-03	5.09E-04	3.42E-03	3.69E-03	4.06E-03	4.33E-03
6.99E+01	0.00E+00	2.50E-03	6.50E-04	2.57E-04	1.97E-03	2.16E-03	2.40E-03	2.50E-03
7.39E+01	0.00E+00	1.42E-03	3.61E-04	1.33E-04	1.10E-03	1.24E-03	1.36E-03	1.42E-03
7.82E+01	0.00E+00	7.88E-04	1.94E-04	6.09E-05	6.03E-04	6.93E-04	7.39E-04	7.87E-04
8.28E+01	0.00E+00	4.22E-04	1.00E-04	2.86E-05	3.19E-04	3.74E-04	3.90E-04	4.22E-04
8.76E+01	0.00E+00	2.18E-04	4.97E-05	7.66E-06	1.64E-04	1.87E-04	2.02E-04	2.18E-04
9.27E+01	0.00E+00	1.08E-04	2.36E-05	1.30E-06	7.89E-05	8.69E-05	1.00E-04	1.08E-04
9.81E+01	0.00E+00	5.12E-05	1.07E-05	2.50E-07	3.64E-05	4.02E-05	4.81E-05	5.12E-05
1.00E+02	0.00E+00	3.95E-05	8.09E-06	1.73E-07	2.78E-05	3.08E-05	3.73E-05	3.95E-05
1.04E+02	0.00E+00	2.32E-05	4.57E-06	3.43E-09	1.55E-05	1.82E-05	2.21E-05	2.31E-05
1.10E+02	0.00E+00	9.95E-06	1.85E-06	1.30E-11	6.29E-06	7.93E-06	9.66E-06	9.95E-06
1.16E+02	0.00E+00	4.14E-06	7.03E-07	2.21E-28	2.41E-06	3.29E-06	3.97E-06	4.14E-06
1.23E+02	0.00E+00	1.63E-06	2.50E-07	0.00E+00	9.00E-07	1.29E-06	1.53E-06	1.63E-06
1.30E+02	0.00E+00	6.06E-07	8.42E-08	0.00E+00	3.19E-07	4.77E-07	5.56E-07	6.05E-07
1.38E+02	0.00E+00	2.11E-07	2.63E-08	0.00E+00	1.03E-07	1.66E-07	1.87E-07	2.10E-07
1.46E+02	0.00E+00	6.82E-08	7.40E-09	0.00E+00	2.97E-08	5.35E-08	5.83E-08	6.81E-08
1.54E+02	0.00E+00	2.04E-08	1.94E-09	0.00E+00	7.86E-09	1.47E-08	1.72E-08	2.04E-08
1.63E+02	0.00E+00	5.56E-09	4.57E-10	0.00E+00	1.82E-09	4.04E-09	4.62E-09	5.55E-09
1.73E+02	0.00E+00	1.36E-09	9.81E-11	0.00E+00	3.53E-10	1.02E-09	1.11E-09	1.36E-09





Summary of dose at graphical times, reptition 3  
 Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.98E+00	4.26E+01	1.90E+01	1.92E+01	3.22E+01	3.76E+01	3.95E+01	4.26E+01
1.00E+00	1.73E-02	3.69E+01	1.57E+01	1.60E+01	2.75E+01	3.16E+01	3.37E+01	3.69E+01
1.06E+00	1.25E-02	3.66E+01	1.55E+01	1.58E+01	2.73E+01	3.13E+01	3.35E+01	3.66E+01
1.12E+00	8.81E-03	3.63E+01	1.54E+01	1.57E+01	2.70E+01	3.10E+01	3.32E+01	3.62E+01
1.19E+00	6.11E-03	3.59E+01	1.52E+01	1.55E+01	2.67E+01	3.07E+01	3.29E+01	3.59E+01
1.25E+00	4.14E-03	3.56E+01	1.50E+01	1.53E+01	2.65E+01	3.04E+01	3.26E+01	3.56E+01
1.33E+00	2.75E-03	3.52E+01	1.48E+01	1.52E+01	2.62E+01	3.01E+01	3.23E+01	3.52E+01
1.40E+00	1.78E-03	3.48E+01	1.46E+01	1.50E+01	2.59E+01	2.98E+01	3.19E+01	3.48E+01
1.49E+00	1.12E-03	3.44E+01	1.44E+01	1.48E+01	2.56E+01	2.94E+01	3.16E+01	3.44E+01
1.57E+00	6.91E-04	3.40E+01	1.42E+01	1.45E+01	2.53E+01	2.91E+01	3.12E+01	3.40E+01
1.66E+00	4.13E-04	3.35E+01	1.40E+01	1.42E+01	2.49E+01	2.87E+01	3.08E+01	3.35E+01
1.76E+00	2.40E-04	3.31E+01	1.38E+01	1.40E+01	2.46E+01	2.83E+01	3.04E+01	3.31E+01
1.86E+00	1.35E-04	3.26E+01	1.35E+01	1.37E+01	2.42E+01	2.79E+01	3.00E+01	3.26E+01
1.97E+00	7.32E-05	3.21E+01	1.33E+01	1.35E+01	2.38E+01	2.75E+01	2.95E+01	3.21E+01
2.09E+00	3.84E-05	3.16E+01	1.31E+01	1.32E+01	2.34E+01	2.71E+01	2.91E+01	3.15E+01
2.21E+00	1.94E-05	3.10E+01	1.28E+01	1.30E+01	2.30E+01	2.66E+01	2.86E+01	3.10E+01
2.34E+00	9.40E-06	3.04E+01	1.25E+01	1.27E+01	2.26E+01	2.62E+01	2.81E+01	3.04E+01
2.47E+00	4.37E-06	2.99E+01	1.22E+01	1.24E+01	2.21E+01	2.57E+01	2.76E+01	2.98E+01
2.62E+00	1.95E-06	2.92E+01	1.20E+01	1.19E+01	2.17E+01	2.52E+01	2.71E+01	2.92E+01
2.77E+00	8.26E-07	2.86E+01	1.17E+01	1.17E+01	2.12E+01	2.47E+01	2.65E+01	2.86E+01
2.93E+00	3.34E-07	2.80E+01	1.14E+01	1.13E+01	2.06E+01	2.41E+01	2.59E+01	2.79E+01
3.00E+00	2.28E-07	2.77E+01	1.12E+01	1.12E+01	2.04E+01	2.39E+01	2.57E+01	2.77E+01
3.10E+00	1.28E-07	2.73E+01	1.11E+01	1.10E+01	2.01E+01	2.36E+01	2.53E+01	2.73E+01
3.28E+00	4.63E-08	2.66E+01	1.07E+01	1.07E+01	1.95E+01	2.30E+01	2.47E+01	2.66E+01
3.48E+00	1.58E-08	2.59E+01	1.04E+01	1.04E+01	1.90E+01	2.24E+01	2.41E+01	2.58E+01
3.68E+00	5.07E-09	2.51E+01	1.01E+01	1.00E+01	1.84E+01	2.18E+01	2.34E+01	2.51E+01
3.89E+00	1.52E-09	2.44E+01	9.75E+00	9.68E+00	1.78E+01	2.11E+01	2.28E+01	2.43E+01
4.12E+00	4.26E-10	2.36E+01	9.40E+00	9.36E+00	1.72E+01	2.05E+01	2.21E+01	2.36E+01
4.36E+00	1.11E-10	2.28E+01	9.05E+00	8.99E+00	1.66E+01	1.98E+01	2.14E+01	2.28E+01
4.61E+00	2.66E-11	2.20E+01	8.69E+00	8.59E+00	1.60E+01	1.92E+01	2.06E+01	2.19E+01
4.88E+00	5.87E-12	2.11E+01	8.34E+00	8.19E+00	1.54E+01	1.85E+01	1.99E+01	2.11E+01
5.17E+00	1.19E-12	2.03E+01	7.97E+00	7.81E+00	1.47E+01	1.78E+01	1.91E+01	2.03E+01
5.47E+00	2.19E-13	1.94E+01	7.61E+00	7.46E+00	1.41E+01	1.70E+01	1.84E+01	1.94E+01
5.78E+00	3.66E-14	1.86E+01	7.24E+00	7.11E+00	1.35E+01	1.63E+01	1.76E+01	1.85E+01
6.12E+00	5.51E-15	1.77E+01	6.87E+00	6.77E+00	1.28E+01	1.56E+01	1.68E+01	1.77E+01
6.48E+00	7.44E-16	1.68E+01	6.50E+00	6.43E+00	1.22E+01	1.48E+01	1.60E+01	1.68E+01
6.86E+00	8.93E-17	1.59E+01	6.13E+00	6.08E+00	1.15E+01	1.41E+01	1.52E+01	1.59E+01
7.26E+00	9.47E-18	1.50E+01	5.77E+00	5.73E+00	1.08E+01	1.33E+01	1.44E+01	1.50E+01
7.68E+00	8.81E-19	1.41E+01	5.41E+00	5.39E+00	1.02E+01	1.26E+01	1.36E+01	1.41E+01
8.13E+00	7.14E-20	1.32E+01	5.05E+00	5.06E+00	9.53E+00	1.18E+01	1.28E+01	1.32E+01
8.60E+00	5.00E-21	1.24E+01	4.70E+00	4.75E+00	8.89E+00	1.11E+01	1.20E+01	1.24E+01
9.10E+00	3.00E-22	1.15E+01	4.36E+00	4.43E+00	8.26E+00	1.04E+01	1.12E+01	1.15E+01
9.63E+00	1.53E-23	1.07E+01	4.02E+00	4.07E+00	7.68E+00	9.63E+00	1.04E+01	1.07E+01
1.00E+01	1.90E-24	1.02E+01	3.80E+00	3.82E+00	7.30E+00	9.16E+00	9.87E+00	1.02E+01
1.02E+01	6.53E-25	9.93E+00	3.70E+00	3.70E+00	7.11E+00	8.92E+00	9.61E+00	9.93E+00
1.08E+01	2.33E-26	9.17E+00	3.38E+00	3.37E+00	6.57E+00	8.22E+00	8.84E+00	9.17E+00

1.14E+01	6.82E-28	8.42E+00	3.08E+00	3.00E+00	6.03E+00	7.54E+00	8.09E+00	8.42E+00
1.21E+01	0.00E+00	7.70E+00	2.79E+00	2.72E+00	5.52E+00	6.88E+00	7.37E+00	7.70E+00
1.28E+01	0.00E+00	7.00E+00	2.51E+00	2.46E+00	5.02E+00	6.25E+00	6.68E+00	7.00E+00
1.35E+01	0.00E+00	6.33E+00	2.25E+00	2.19E+00	4.54E+00	5.64E+00	6.01E+00	6.33E+00
1.43E+01	0.00E+00	5.69E+00	2.00E+00	1.95E+00	4.08E+00	5.06E+00	5.38E+00	5.69E+00
1.51E+01	0.00E+00	5.08E+00	1.77E+00	1.71E+00	3.65E+00	4.51E+00	4.79E+00	5.08E+00
1.60E+01	0.00E+00	4.51E+00	1.55E+00	1.48E+00	3.24E+00	3.99E+00	4.23E+00	4.51E+00
1.70E+01	0.00E+00	3.98E+00	1.35E+00	1.28E+00	2.85E+00	3.51E+00	3.71E+00	3.98E+00
1.80E+01	0.00E+00	3.48E+00	1.17E+00	1.11E+00	2.50E+00	3.06E+00	3.23E+00	3.48E+00
1.90E+01	0.00E+00	3.02E+00	1.00E+00	9.36E-01	2.17E+00	2.65E+00	2.78E+00	3.02E+00
2.01E+01	0.00E+00	2.60E+00	8.53E-01	7.89E-01	1.87E+00	2.28E+00	2.39E+00	2.60E+00
2.13E+01	0.00E+00	2.22E+00	7.19E-01	6.55E-01	1.60E+00	1.94E+00	2.03E+00	2.22E+00
2.25E+01	0.00E+00	1.88E+00	6.01E-01	5.37E-01	1.35E+00	1.63E+00	1.72E+00	1.88E+00
2.38E+01	0.00E+00	1.57E+00	4.96E-01	4.35E-01	1.13E+00	1.36E+00	1.43E+00	1.57E+00
2.52E+01	0.00E+00	1.30E+00	4.06E-01	3.47E-01	9.37E-01	1.12E+00	1.18E+00	1.30E+00
2.67E+01	0.00E+00	1.07E+00	3.28E-01	2.74E-01	7.64E-01	9.14E-01	9.66E-01	1.07E+00
2.82E+01	0.00E+00	8.64E-01	2.62E-01	2.13E-01	6.14E-01	7.33E-01	7.80E-01	8.64E-01
2.99E+01	0.00E+00	6.92E-01	2.07E-01	1.65E-01	4.87E-01	5.78E-01	6.22E-01	6.91E-01
3.00E+01	0.00E+00	6.81E-01	2.03E-01	1.62E-01	4.79E-01	5.69E-01	6.12E-01	6.80E-01
3.16E+01	0.00E+00	5.46E-01	1.61E-01	1.26E-01	3.84E-01	4.55E-01	4.89E-01	5.46E-01
3.35E+01	0.00E+00	4.25E-01	1.23E-01	9.45E-02	2.99E-01	3.54E-01	3.79E-01	4.25E-01
3.54E+01	0.00E+00	3.26E-01	9.29E-02	6.97E-02	2.29E-01	2.69E-01	2.90E-01	3.26E-01
3.75E+01	0.00E+00	2.47E-01	6.90E-02	5.08E-02	1.73E-01	2.01E-01	2.18E-01	2.46E-01
3.97E+01	0.00E+00	1.83E-01	5.03E-02	3.66E-02	1.28E-01	1.48E-01	1.61E-01	1.83E-01
4.20E+01	0.00E+00	1.34E-01	3.60E-02	2.58E-02	9.38E-02	1.07E-01	1.17E-01	1.34E-01
4.44E+01	0.00E+00	9.59E-02	2.53E-02	1.78E-02	6.70E-02	7.67E-02	8.36E-02	9.58E-02
4.70E+01	0.00E+00	6.74E-02	1.74E-02	1.21E-02	4.68E-02	5.39E-02	5.85E-02	6.73E-02
4.97E+01	0.00E+00	4.64E-02	1.18E-02	7.96E-03	3.20E-02	3.71E-02	4.00E-02	4.63E-02
5.26E+01	0.00E+00	3.12E-02	7.75E-03	5.04E-03	2.17E-02	2.50E-02	2.68E-02	3.12E-02
5.57E+01	0.00E+00	2.05E-02	4.98E-03	3.22E-03	1.39E-02	1.64E-02	1.75E-02	2.05E-02
5.90E+01	0.00E+00	1.32E-02	3.11E-03	1.80E-03	8.85E-03	1.05E-02	1.12E-02	1.31E-02
6.24E+01	0.00E+00	8.22E-03	1.89E-03	1.03E-03	5.46E-03	6.57E-03	6.95E-03	8.20E-03
6.60E+01	0.00E+00	4.99E-03	1.12E-03	5.57E-04	3.24E-03	3.99E-03	4.22E-03	4.98E-03
6.99E+01	0.00E+00	2.94E-03	6.40E-04	2.90E-04	1.91E-03	2.35E-03	2.48E-03	2.93E-03
7.39E+01	0.00E+00	1.67E-03	3.55E-04	1.49E-04	1.08E-03	1.34E-03	1.42E-03	1.67E-03
7.82E+01	0.00E+00	9.22E-04	1.90E-04	5.03E-05	5.90E-04	7.29E-04	7.84E-04	9.21E-04
8.28E+01	0.00E+00	4.90E-04	9.72E-05	1.42E-05	3.11E-04	3.90E-04	4.18E-04	4.89E-04
8.76E+01	0.00E+00	2.50E-04	4.79E-05	4.95E-06	1.58E-04	2.00E-04	2.15E-04	2.50E-04
9.27E+01	0.00E+00	1.23E-04	2.25E-05	5.46E-07	7.87E-05	9.76E-05	1.06E-04	1.22E-04
9.81E+01	0.00E+00	5.73E-05	1.01E-05	1.23E-07	3.78E-05	4.55E-05	5.06E-05	5.72E-05
1.00E+02	0.00E+00	4.40E-05	7.62E-06	5.56E-08	2.93E-05	3.49E-05	3.92E-05	4.40E-05
1.04E+02	0.00E+00	2.55E-05	4.30E-06	3.80E-11	1.74E-05	2.02E-05	2.32E-05	2.55E-05
1.10E+02	0.00E+00	1.08E-05	1.76E-06	2.00E-18	7.63E-06	8.90E-06	1.02E-05	1.08E-05
1.16E+02	0.00E+00	4.37E-06	6.82E-07	0.00E+00	2.98E-06	3.73E-06	4.19E-06	4.37E-06
1.23E+02	0.00E+00	1.75E-06	2.51E-07	0.00E+00	1.15E-06	1.49E-06	1.60E-06	1.75E-06
1.30E+02	0.00E+00	6.65E-07	8.62E-08	0.00E+00	3.93E-07	5.46E-07	5.77E-07	6.64E-07
1.38E+02	0.00E+00	2.38E-07	2.75E-08	0.00E+00	1.23E-07	1.73E-07	2.03E-07	2.37E-07
1.46E+02	0.00E+00	7.96E-08	8.16E-09	0.00E+00	3.75E-08	5.46E-08	6.68E-08	7.94E-08
1.54E+02	0.00E+00	2.49E-08	2.24E-09	0.00E+00	1.04E-08	1.66E-08	2.05E-08	2.48E-08
1.63E+02	0.00E+00	7.21E-09	5.45E-10	0.00E+00	2.42E-09	4.59E-09	5.84E-09	7.20E-09
1.73E+02	0.00E+00	1.92E-09	1.27E-10	0.00E+00	4.92E-10	1.09E-09	1.53E-09	1.92E-09
1.83E+02	0.00E+00	4.68E-10	2.66E-11	0.00E+00	8.07E-11	2.32E-10	3.66E-10	4.67E-10



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Repetition	Peak of the mean dose (averaged over observations) at graphical times	
	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.901E+01
2	0.000E+00	1.900E+01
3	0.000E+00	1.895E+01

Coefficients for peak of mean dose time Dose  
 Coefficient =  
 Repetition =

	PCC 1	SRC 1	PRCC 1	SRRC 1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	12 0.06	12 0.02	10 0.05	10 0.02
Runoff coefficient	3 -0.15	4 -0.06	5 -0.16	7 -0.05
Wind Speed	16 -0.01	16 0.00	14 -0.02	14 -0.01
Well pump intake depth	14 0.03	14 0.01	13 0.03	13 0.01
Inhalation rate	9 0.07	11 0.03	16 0.01	16 0.00
Soil ingestion	5 -0.09	7 -0.03	11 -0.04	11 -0.01
Thickness of Unsaturated zone 2	10 0.07	10 0.03	6 0.14	8 0.05
Thickness of contaminated zone	2 0.79	2 0.50	2 0.82	2 0.48
Depth of soil mixing layer	7 -0.08	8 -0.03	15 -0.02	15 -0.01
Mass loading for inhalation	13 0.04	13 0.02	12 0.03	12 0.01
Kd of Co-60 in Contaminated Zone	8 -0.08	5 -0.05	8 -0.10	5 -0.15
Kd of Co-60 in Unsaturated Zone 1	11 0.06	9 0.03	7 0.14	6 0.12
Kd of Co-60 in Unsaturated Zone 2	4 0.14	3 0.08	3 0.23	3 0.20
Kd of Co-60 in Saturated Zone	6 0.09	6 0.04	4 0.22	4 0.19
Aquatic food	15 0.01	15 0.00	9 0.08	9 0.03
Outdoor time fraction	1 0.89	1 0.78	1 0.92	1 0.76
R-SQUARE	0.86	0.86	0.89	0.89

-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.

Coefficients for peak of mean dose time Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	13	0.05	13	0.02	12	0.06	12	0.02
Runoff coefficient	16	0.00	16	0.00	13	-0.05	13	-0.02
Wind Speed	15	0.03	15	0.01	15	0.02	15	0.01
Well pump intake depth	10	0.06	10	0.03	10	0.09	10	0.03
Inhalation rate	9	0.08	9	0.03	16	0.01	16	0.00
Soil ingestion	4	-0.19	4	-0.07	4	-0.24	7	-0.09
Thickness of Unsaturated zone 2	12	-0.05	12	-0.02	14	0.05	14	0.02
Thickness of contaminated zone	2	0.78	2	0.49	2	0.80	2	0.49
Depth of soil mixing layer	5	-0.16	6	-0.07	8	-0.16	9	-0.06
Mass loading for inhalation	3	0.22	3	0.09	6	0.20	8	0.07
Kd of Co-60 in Contaminated Zone	6	0.15	5	0.07	9	-0.15	3	-0.29
Kd of Co-60 in Unsaturated Zone 1	8	0.09	8	0.04	3	0.24	4	0.25
Kd of Co-60 in Unsaturated Zone 2	7	-0.12	7	-0.05	7	0.19	6	0.21
Kd of Co-60 in Saturated Zone	14	0.04	14	0.02	5	0.22	5	0.23
Aquatic food	11	-0.06	11	-0.02	11	-0.07	11	-0.02
Outdoor time fraction	1	0.89	1	0.76	1	0.89	1	0.73
R-SQUARE		0.85		0.85		0.87		0.87

-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.

Coefficients for peak of mean dose time Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	11 -0.09	12 -0.03	5 -0.13	7 -0.05
Runoff coefficient	9 0.11	9 0.04	10 0.07	11 0.03
Wind Speed	14 -0.06	14 -0.02	15 -0.02	15 -0.01
Well pump intake depth	16 -0.01	16 0.00	14 -0.03	14 -0.01
Inhalation rate	15 0.03	15 0.01	16 0.00	16 0.00
Soil ingestion	7 0.12	7 0.04	7 0.08	9 0.03
Thickness of Unsaturated zone 2	8 -0.11	8 -0.04	8 -0.08	10 -0.03
Thickness of contaminated zone	2 0.79	2 0.47	2 0.78	2 0.46
Depth of soil mixing layer	4 -0.13	5 -0.05	6 -0.11	8 -0.04
Mass loading for inhalation	10 0.10	10 0.04	11 0.07	12 0.03
Kd of Co-60 in Contaminated Zone	3 0.14	3 0.06	13 -0.05	5 -0.09
Kd of Co-60 in Unsaturated Zone 1	12 -0.08	11 -0.03	4 0.14	4 0.14
Kd of Co-60 in Unsaturated Zone 2	5 0.13	4 0.05	3 0.15	3 0.15
Kd of Co-60 in Saturated Zone	6 -0.12	6 -0.04	9 0.08	6 0.07
Aquatic food	13 -0.08	13 -0.03	12 -0.07	13 -0.02
Outdoor time fraction	1 0.91	1 0.81	1 0.91	1 0.79
R-SQUARE	0.88	0.88	0.87	0.87

-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.



Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	12	0.06	12	0.02	10	0.05	10	0.02
Runoff coefficient	3	-0.15	4	-0.06	5	-0.16	7	-0.05
Wind Speed	16	-0.01	16	0.00	14	-0.02	14	-0.01
Well pump intake depth	14	0.03	14	0.01	13	0.03	13	0.01
Inhalation rate	9	0.07	11	0.03	16	0.01	16	0.00
Soil ingestion	5	-0.09	7	-0.03	11	-0.04	11	-0.01
Thickness of Unsaturated zone 2	10	0.07	10	0.03	6	0.14	8	0.05
Thickness of contaminated zone	2	0.79	2	0.50	2	0.82	2	0.48
Depth of soil mixing layer	7	-0.08	8	-0.03	15	-0.02	15	-0.01
Mass loading for inhalation	13	0.04	13	0.02	12	0.03	12	0.01
Kd of Co-60 in Contaminated Zone	8	-0.08	5	-0.05	8	-0.10	5	-0.15
Kd of Co-60 in Unsaturated Zone 1	11	0.06	9	0.03	7	0.14	6	0.12
Kd of Co-60 in Unsaturated Zone 2	4	0.14	3	0.08	3	0.23	3	0.20
Kd of Co-60 in Saturated Zone	6	0.09	6	0.04	4	0.22	4	0.19
Aquatic food	15	0.01	15	0.00	9	0.08	9	0.03
Outdoor time fraction	1	0.89	1	0.78	1	0.92	1	0.76
R-SQUARE	0.86		0.86		0.89		0.89	

-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.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	13	0.05	13	0.02	12	0.06	12	0.02
Runoff coefficient	16	0.00	16	0.00	13	-0.06	13	-0.02
Wind Speed	15	0.03	15	0.01	15	0.02	15	0.01
Well pump intake depth	10	0.06	10	0.03	10	0.09	10	0.03
Inhalation rate	9	0.08	9	0.03	16	0.01	16	0.01
Soil ingestion	4	-0.19	4	-0.07	4	-0.24	7	-0.09
Thickness of Unsaturated zone 2	12	-0.05	12	-0.02	14	0.05	14	0.02
Thickness of contaminated zone	2	0.78	2	0.49	2	0.80	2	0.49
Depth of soil mixing layer	5	-0.16	6	-0.07	8	-0.16	9	-0.06
Mass loading for inhalation	3	0.22	3	0.09	6	0.20	8	0.07
Kd of Co-60 in Contaminated Zone	6	0.15	5	0.07	9	-0.15	3	-0.29
Kd of Co-60 in Unsaturated Zone 1	8	0.09	8	0.04	3	0.24	4	0.25
Kd of Co-60 in Unsaturated Zone 2	7	-0.12	7	-0.05	7	0.19	6	0.21
Kd of Co-60 in Saturated Zone	14	0.04	14	0.02	5	0.22	5	0.23
Aquatic food	11	-0.06	11	-0.02	11	-0.07	11	-0.02
Outdoor time fraction	1	0.89	1	0.76	1	0.89	1	0.73
R-SQUARE		0.85		0.85		0.87		0.87

-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.

Coefficients for peak All Pathways Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	3		3		3		3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	11	-0.09	12	-0.03	5	-0.13	7	-0.05
Runoff coefficient	9	0.11	9	0.04	10	0.07	11	0.03
Wind Speed	14	-0.06	14	-0.02	15	-0.02	15	-0.01
Well pump intake depth	16	-0.01	16	0.00	14	-0.03	14	-0.01
Inhalation rate	15	0.03	15	0.01	16	0.00	16	0.00
Soil ingestion	7	0.12	7	0.04	7	0.08	9	0.03
Thickness of Unsaturated zone 2	8	-0.11	8	-0.04	8	-0.08	10	-0.03
Thickness of contaminated zone	2	0.79	2	0.47	2	0.78	2	0.46
Depth of soil mixing layer	4	-0.13	5	-0.05	6	-0.10	8	-0.04
Mass loading for inhalation	10	0.10	10	0.04	11	0.07	12	0.02
Kd of Co-60 in Contaminated Zone	3	0.14	3	0.06	13	-0.05	5	-0.09
Kd of Co-60 in Unsaturated Zone 1	12	-0.08	11	-0.03	4	0.14	4	0.14
Kd of Co-60 in Unsaturated Zone 2	5	0.13	4	0.05	3	0.15	3	0.15
Kd of Co-60 in Saturated Zone	6	-0.12	6	-0.04	9	0.08	6	0.07
Aquatic food	13	-0.08	13	-0.03	12	-0.07	13	-0.02
Outdoor time fraction	1	0.91	1	0.81	1	0.91	1	0.79
R-SQUARE		0.88		0.88		0.87		0.87

-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.

Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	12	0.06	12	0.02	10	0.05	10	0.02
Runoff coefficient	3	-0.15	4	-0.06	5	-0.16	7	-0.05
Wind Speed	16	-0.01	16	0.00	14	-0.02	14	-0.01
Well pump intake depth	14	0.03	14	0.01	13	0.03	13	0.01
Inhalation rate	9	0.07	11	0.03	16	0.01	16	0.00
Soil ingestion	5	-0.09	7	-0.03	11	-0.04	11	-0.01
Thickness of Unsaturated zone 2	10	0.07	10	0.03	6	0.14	8	0.05
Thickness of contaminated zone	2	0.79	2	0.50	2	0.82	2	0.48
Depth of soil mixing layer	7	-0.08	8	-0.03	15	-0.02	15	-0.01
Mass loading for inhalation	13	0.04	13	0.02	12	0.03	12	0.01
Kd of Co-60 in Contaminated Zone	8	-0.08	5	-0.05	8	-0.10	5	-0.15
Kd of Co-60 in Unsaturated Zone 1	11	0.06	9	0.03	7	0.14	6	0.12
Kd of Co-60 in Unsaturated Zone 2	4	0.14	3	0.08	3	0.23	3	0.20
Kd of Co-60 in Saturated Zone	6	0.09	6	0.04	4	0.22	4	0.19
Aquatic food	15	0.01	15	0.00	9	0.08	9	0.03
Outdoor time fraction	1	0.89	1	0.78	1	0.92	1	0.76
R-SQUARE	0.86		0.86		0.89		0.89	

-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.

Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	13	0.05	13	0.02	12	0.06	12	0.02
Runoff coefficient	16	0.00	16	0.00	13	-0.06	13	-0.02
Wind Speed	15	0.03	15	0.01	15	0.02	15	0.01
Well pump intake depth	10	0.06	10	0.03	10	0.09	10	0.03
Inhalation rate	9	0.08	9	0.03	16	0.01	16	0.01
Soil ingestion	4	-0.19	4	-0.07	4	-0.24	7	-0.09
Thickness of Unsaturated zone 2	12	-0.05	12	-0.02	14	0.05	14	0.02
Thickness of contaminated zone	2	0.78	2	0.49	2	0.80	2	0.49
Depth of soil mixing layer	5	-0.16	6	-0.06	8	-0.16	9	-0.06
Mass loading for inhalation	3	0.22	3	0.09	6	0.20	8	0.07
Kd of Co-60 in Contaminated Zone	6	0.15	5	0.07	9	-0.15	3	-0.29
Kd of Co-60 in Unsaturated Zone 1	8	0.09	8	0.04	3	0.24	4	0.25
Kd of Co-60 in Unsaturated Zone 2	7	-0.12	7	-0.05	7	0.19	6	0.21
Kd of Co-60 in Saturated Zone	14	0.04	14	0.02	5	0.22	5	0.23
Aquatic food	11	-0.06	11	-0.02	11	-0.07	11	-0.02
Outdoor time fraction	1	0.89	1	0.76	1	0.89	1	0.73
R-SQUARE		0.85		0.85		0.87		0.87

-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.

Coefficients for peak External Ground Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	3		3		3		3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	11	-0.09	12	-0.03	5	-0.13	7	-0.05
Runoff coefficient	9	0.11	9	0.04	10	0.07	11	0.03
Wind Speed	14	-0.06	14	-0.02	15	-0.02	15	-0.01
Well pump intake depth	16	-0.01	16	0.00	14	-0.03	14	-0.01
Inhalation rate	15	0.03	15	0.01	16	0.00	16	0.00
Soil ingestion	7	0.12	7	0.04	7	0.08	9	0.03
Thickness of Unsaturated zone 2	8	-0.11	8	-0.04	8	-0.08	10	-0.03
Thickness of contaminated zone	2	0.79	2	0.47	2	0.78	2	0.46
Depth of soil mixing layer	4	-0.13	5	-0.05	6	-0.10	8	-0.04
Mass loading for inhalation	10	0.10	10	0.04	11	0.07	12	0.02
Kd of Co-60 in Contaminated Zone	3	0.14	3	0.06	13	-0.05	5	-0.09
Kd of Co-60 in Unsaturated Zone 1	12	-0.08	11	-0.03	4	0.14	4	0.14
Kd of Co-60 in Unsaturated Zone 2	5	0.13	4	0.05	3	0.15	3	0.15
Kd of Co-60 in Saturated Zone	6	-0.12	6	-0.04	9	0.08	6	0.07
Aquatic food	13	-0.08	13	-0.03	12	-0.07	13	-0.02
Outdoor time fraction	1	0.91	1	0.81	1	0.91	1	0.79
R-SQUARE		0.88		0.88		0.87		0.87

-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.

Coefficients for peak Inhalation particles Dose  
 Coefficient =  
 Repetition =

	PCC 1	SRC 1	PRCC 1	SRRC 1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	9 0.13	9 0.06	9 0.10	12 0.04
Runoff coefficient	10 0.11	10 0.05	7 -0.16	8 -0.06
Wind Speed	6 -0.21	6 -0.10	6 -0.23	7 -0.09
Well pump intake depth	12 -0.05	13 -0.03	16 -0.02	16 -0.01
Inhalation rate	5 0.45	5 0.25	5 0.60	5 0.28
Soil ingestion	11 -0.09	11 -0.04	10 -0.08	13 -0.03
Thickness of Unsaturated zone 2	7 0.17	7 0.09	14 0.04	15 0.01
Thickness of contaminated zone	4 0.53	4 0.31	2 0.76	2 0.44
Depth of soil mixing layer	3 -0.63	3 -0.39	1 -0.79	1 -0.49
Mass loading for inhalation	1 0.70	1 0.48	4 0.71	4 0.37
Kd of Co-60 in Contaminated Zone	16 0.00	16 0.00	15 -0.02	11 -0.04
Kd of Co-60 in Unsaturated Zone 1	15 -0.01	15 -0.01	12 0.05	9 0.05
Kd of Co-60 in Unsaturated Zone 2	13 -0.04	12 -0.03	13 0.04	10 0.04
Kd of Co-60 in Saturated Zone	8 0.13	8 0.07	8 0.15	6 0.14
Aquatic food	14 0.01	14 0.01	11 0.06	14 0.02
Outdoor time fraction	2 0.69	2 0.47	3 0.75	3 0.42
R-SQUARE	0.77	0.77	0.87	0.87

-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.

Coefficients for peak Inhalation particles Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	12	0.07	12	0.03	14	0.04	16	0.01
Runoff coefficient	11	0.07	11	0.03	8	-0.11	10	-0.04
Wind Speed	16	0.01	16	0.01	7	-0.18	7	-0.07
Well pump intake depth	15	0.04	15	0.02	12	-0.05	15	-0.02
Inhalation rate	5	0.48	5	0.26	5	0.49	5	0.22
Soil ingestion	9	-0.07	10	-0.03	6	-0.18	8	-0.07
Thickness of Unsaturated zone 2	6	-0.24	6	-0.12	10	0.08	13	0.03
Thickness of contaminated zone	4	0.64	4	0.40	1	0.78	1	0.49
Depth of soil mixing layer	2	-0.67	2	-0.44	2	-0.77	2	-0.47
Mass loading for inhalation	3	0.65	3	0.41	3	0.73	3	0.41
Kd of Co-60 in Contaminated Zone	7	0.14	7	0.08	16	-0.02	12	-0.03
Kd of Co-60 in Unsaturated Zone 1	13	-0.05	13	-0.03	11	0.08	6	0.08
Kd of Co-60 in Unsaturated Zone 2	14	-0.04	14	-0.02	15	0.02	14	0.02
Kd of Co-60 in Saturated Zone	10	-0.07	9	-0.04	13	0.05	9	0.05
Aquatic food	8	0.10	8	0.05	9	-0.11	11	-0.04
Outdoor time fraction	1	0.73	1	0.51	4	0.70	4	0.38
R-SQUARE		0.78		0.78		0.85		0.85

-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.



Coefficients for peak Inhalation particles Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	3		3		3		3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	9	-0.09	9	-0.05	9	-0.11	11	-0.04
Runoff coefficient	13	-0.06	13	-0.03	12	0.09	12	0.04
Wind Speed	6	-0.27	6	-0.15	6	-0.22	10	-0.08
Well pump intake depth	7	-0.11	7	-0.06	15	0.04	15	0.01
Inhalation rate	5	0.42	5	0.24	5	0.50	6	0.22
Soil ingestion	14	0.06	14	0.03	13	0.07	13	0.03
Thickness of Unsaturated zone 2	15	0.04	15	0.02	14	-0.04	14	-0.02
Thickness of contaminated zone	3	0.59	3	0.39	1	0.79	1	0.48
Depth of soil mixing layer	4	-0.59	4	-0.38	3	-0.73	3	-0.40
Mass loading for inhalation	1	0.65	1	0.45	4	0.69	4	0.35
Kd of Co-60 in Contaminated Zone	12	0.06	11	0.04	7	0.19	5	0.34
Kd of Co-60 in Unsaturated Zone 1	10	-0.09	10	-0.05	11	-0.10	9	-0.09
Kd of Co-60 in Unsaturated Zone 2	11	0.07	12	0.04	10	-0.10	8	-0.10
Kd of Co-60 in Saturated Zone	16	0.03	16	0.02	8	-0.12	7	-0.11
Aquatic food	8	0.10	8	0.05	16	0.04	16	0.01
Outdoor time fraction	2	0.62	2	0.40	2	0.79	2	0.47
R-SQUARE		0.74		0.74		0.86		0.86

-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.

Coefficients for peak Radon (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Radon (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Radon (WaterInd.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Plant (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Plant (WaterInd.) Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Plant (WaterInd.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Meat (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.



Coefficients for peak Meat (WaterInd.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 2               2               2               2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Meat (WaterInd.) Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Milk (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Milk (WaterInd.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Milk (WaterInd.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3                3                3                3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Soil Ingestion Dose  
 Coefficient =  
 Repetition =

	PCC 1	SRC 1	PRCC 1	SRRC 1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	11 0.06	12 0.03	9 0.09	10 0.03
Runoff coefficient	13 0.05	13 0.02	6 -0.14	7 -0.05
Wind Speed	6 -0.08	7 -0.04	16 0.00	16 0.00
Well pump intake depth	8 -0.07	10 -0.03	5 -0.23	6 -0.09
Inhalation rate	10 -0.06	11 -0.03	15 -0.01	15 0.00
Soil ingestion	4 0.66	4 0.42	3 0.76	3 0.43
Thickness of Unsaturated zone 2	15 0.02	15 0.01	11 0.07	12 0.02
Thickness of contaminated zone	1 0.70	1 0.47	1 0.80	1 0.49
Depth of soil mixing layer	2 -0.67	2 -0.44	2 -0.78	2 -0.46
Mass loading for inhalation	14 -0.05	14 -0.02	7 0.13	8 0.05
Kd of Co-60 in Contaminated Zone	16 0.00	16 0.00	8 0.10	5 0.17
Kd of Co-60 in Unsaturated Zone 1	12 0.06	9 0.03	12 -0.04	9 -0.04
Kd of Co-60 in Unsaturated Zone 2	9 -0.06	6 -0.05	14 -0.01	14 -0.01
Kd of Co-60 in Saturated Zone	5 0.17	5 0.09	13 0.03	13 0.02
Aquatic food	7 0.07	8 0.03	10 0.08	11 0.03
Outdoor time fraction	3 0.66	3 0.43	4 0.75	4 0.41
R-SQUARE	0.78	0.78	0.87	0.87

-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.

Coefficients for peak Soil Ingestion Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	13 -0.04	13 -0.02	15 -0.05	15 -0.02
Runoff coefficient	15 0.02	15 0.01	11 -0.08	11 -0.03
Wind Speed	9 0.10	9 0.05	8 0.12	10 0.05
Well pump intake depth	12 0.04	12 0.02	16 0.00	16 0.00
Inhalation rate	16 0.00	16 0.00	6 0.15	9 0.06
Soil ingestion	3 0.60	4 0.39	3 0.66	3 0.38
Thickness of Unsaturated zone 2	5 -0.17	7 -0.09	13 0.06	13 0.02
Thickness of contaminated zone	2 0.63	2 0.42	1 0.78	1 0.53
Depth of soil mixing layer	1 -0.70	1 -0.52	2 -0.75	2 -0.49
Mass loading for inhalation	7 0.16	8 0.09	12 0.07	12 0.03
Kd of Co-60 in Contaminated Zone	6 0.17	5 0.10	9 -0.11	5 -0.25
Kd of Co-60 in Unsaturated Zone 1	10 -0.07	10 -0.04	5 0.17	6 0.20
Kd of Co-60 in Unsaturated Zone 2	8 -0.16	6 -0.09	10 0.10	8 0.13
Kd of Co-60 in Saturated Zone	14 -0.03	14 -0.02	7 0.13	7 0.16
Aquatic food	11 0.06	11 0.03	14 -0.06	14 -0.02
Outdoor time fraction	4 0.60	3 0.40	4 0.66	4 0.37
R-SQUARE	0.74	0.74	0.82	0.82

-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.

Coefficients for peak Soil Ingestion Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	7 -0.10	7 -0.05	9 -0.08	12 -0.03
Runoff coefficient	12 0.05	12 0.03	6 0.09	10 0.03
Wind Speed	11 0.06	10 0.03	13 0.03	14 0.01
Well pump intake depth	13 0.04	13 0.02	5 0.15	7 0.05
Inhalation rate	14 0.04	14 0.02	7 0.09	11 0.03
Soil ingestion	4 0.65	4 0.41	3 0.78	3 0.45
Thickness of Unsaturated zone 2	9 0.07	9 0.03	11 0.05	13 0.02
Thickness of contaminated zone	3 0.65	3 0.42	1 0.82	1 0.51
Depth of soil mixing layer	2 -0.66	2 -0.43	4 -0.76	4 -0.42
Mass loading for inhalation	10 0.06	11 0.03	16 0.01	16 0.00
Kd of Co-60 in Contaminated Zone	16 0.01	16 0.00	14 0.02	8 0.04
Kd of Co-60 in Unsaturated Zone 1	15 -0.02	15 -0.01	10 0.07	6 0.07
Kd of Co-60 in Unsaturated Zone 2	6 0.18	6 0.09	8 0.08	5 0.08
Kd of Co-60 in Saturated Zone	8 -0.09	8 -0.04	12 0.04	9 0.04
Aquatic food	5 0.24	5 0.12	15 -0.01	15 0.00
Outdoor time fraction	1 0.72	1 0.50	2 0.80	2 0.47
R-SQUARE	0.78	0.78	0.87	0.87

-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.



Coefficients for peak Water Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Water Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Water Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	3		3		3		3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Fish Ingestion Dose  
 Coefficient =  
 Repetition =

	PCC 1	SRC 1	PRCC 1	SRRC 1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	15 0.02	15 0.02	12 -0.04	12 -0.03
Runoff coefficient	3 0.10	3 0.10	7 0.09	7 0.07
Wind Speed	16 -0.02	16 -0.02	13 -0.04	13 -0.03
Well pump intake depth	14 -0.03	14 -0.03	14 0.04	14 0.03
Inhalation rate	12 0.04	12 0.04	6 0.09	6 0.07
Soil ingestion	10 -0.04	11 -0.04	5 -0.10	5 -0.08
Thickness of Unsaturated zone 2	6 -0.07	7 -0.07	11 -0.05	11 -0.04
Thickness of contaminated zone	4 -0.09	4 -0.09	8 -0.07	8 -0.06
Depth of soil mixing layer	1 0.14	1 0.14	9 0.06	9 0.05
Mass loading for inhalation	2 -0.13	2 -0.12	10 0.06	10 0.05
Kd of Co-60 in Contaminated Zone	11 0.04	8 0.07	4 0.38	1 1.48
Kd of Co-60 in Unsaturated Zone 1	9 -0.05	9 -0.06	3 -0.45	4 -0.96
Kd of Co-60 in Unsaturated Zone 2	7 -0.05	5 -0.08	1 -0.47	2 -1.04
Kd of Co-60 in Saturated Zone	8 -0.05	10 -0.05	2 -0.45	3 -0.98
Aquatic food	13 -0.03	13 -0.03	15 0.03	15 0.02
Outdoor time fraction	5 -0.08	6 -0.08	16 0.02	16 0.02
R-SQUARE	0.07	0.07	0.41	0.41

-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.

Coefficients for peak Fish Ingestion Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	15	-0.02	15	-0.02	12	-0.06	12	-0.05
Runoff coefficient	4	-0.16	4	-0.15	6	-0.19	7	-0.16
Wind Speed	1	0.21	1	0.21	16	0.02	16	0.02
Well pump intake depth	5	-0.12	5	-0.12	7	-0.19	6	-0.16
Inhalation rate	14	0.02	14	0.02	13	0.05	13	0.04
Soil ingestion	3	0.17	3	0.16	15	0.04	15	0.03
Thickness of Unsaturated zone 2	16	-0.01	16	-0.01	8	0.12	8	0.10
Thickness of contaminated zone	7	-0.09	8	-0.09	10	-0.08	10	-0.07
Depth of soil mixing layer	12	-0.03	12	-0.03	11	-0.07	11	-0.06
Mass loading for inhalation	9	-0.07	9	-0.07	5	-0.21	5	-0.18
Kd of Co-60 in Contaminated Zone	13	0.02	13	0.03	4	0.26	1	1.15
Kd of Co-60 in Unsaturated Zone 1	8	-0.09	7	-0.09	2	-0.33	3	-0.79
Kd of Co-60 in Unsaturated Zone 2	10	-0.06	10	-0.06	1	-0.33	2	-0.86
Kd of Co-60 in Saturated Zone	11	-0.05	11	-0.05	3	-0.26	4	-0.65
Aquatic food	6	-0.10	6	-0.09	14	0.04	14	0.03
Outdoor time fraction	2	0.18	2	0.17	9	0.11	9	0.09
R-SQUARE		0.15		0.15		0.32		0.32

-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.

Coefficients for peak Fish Ingestion Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3                3                3                3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	14 0.02	14 0.02	6 0.20	6 0.17
Runoff coefficient	4 -0.16	4 -0.15	16 -0.06	16 -0.05
Wind Speed	8 -0.09	8 -0.08	15 0.07	15 0.06
Well pump intake depth	16 -0.01	16 -0.01	9 -0.13	9 -0.10
Inhalation rate	3 -0.17	3 -0.16	13 -0.08	14 -0.07
Soil ingestion	1 0.28	1 0.26	5 0.23	5 0.19
Thickness of Unsaturated zone 2	11 -0.05	12 -0.04	14 -0.08	13 -0.07
Thickness of contaminated zone	12 0.05	11 0.04	11 -0.10	11 -0.08
Depth of soil mixing layer	6 -0.15	6 -0.13	12 -0.10	12 -0.08
Mass loading for inhalation	7 -0.14	7 -0.12	7 -0.17	7 -0.14
Kd of Co-60 in Contaminated Zone	10 -0.06	10 -0.06	4 0.29	1 1.19
Kd of Co-60 in Unsaturated Zone 1	9 -0.08	9 -0.07	2 -0.35	3 -0.79
Kd of Co-60 in Unsaturated Zone 2	13 -0.04	13 -0.04	1 -0.36	2 -0.84
Kd of Co-60 in Saturated Zone	15 -0.01	15 -0.01	3 -0.34	4 -0.76
Aquatic food	5 -0.16	5 -0.14	10 -0.12	10 -0.10
Outdoor time fraction	2 -0.23	2 -0.21	8 -0.14	8 -0.12
R-SQUARE	0.22	0.22	0.34	0.34

-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.

Coefficients for peak Radon (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Radon (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.



Coefficients for peak Radon (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 2               2               2               2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Plant (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Meat (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.

Coefficients for peak Meat (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 2              2              2              2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Meat (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Milk (WaterDep.) Dose  
 Coefficient =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Co-60 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

-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.



Coefficients for peak Milk (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC SRC PRCC SRRC  
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.

Coefficients for peak Milk (WaterDep.) Dose  
 Coefficient =  
 Repetition =

PCC            SRC            PRCC            SRRC  
 3               3               3               3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Well pump intake depth	0 0.00	0 0.00	0 0.00	0 0.00
Inhalation rate	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Contaminated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Unsaturated Zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Co-60 in Saturated Zone	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

-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.