

Appendix F

Resident Farmer 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				
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				
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				
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				
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				
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				
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				

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

0 Menu	Parameter	Current Value	Default	Parameter Name
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)
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				
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				
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				
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				
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				
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				
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				
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)

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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	4.317E+02	0.000E+00	---	S1 (6)
	R012	Initial principal radionuclide (pCi/g): U-235	2.380E+01	0.000E+00	---	S1 (7)
	R012	Initial principal radionuclide (pCi/g): U-238	1.016E+02	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
	R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	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	Unsat. zone 1 (cm**3/g)	3.300E+03	5.000E+01	---	DCNUCU (6,1)
	R016	Unsat. 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	Unsat. zone 1 (cm**3/g)	3.300E+03	5.000E+01	---	DCNUCU (7,1)
	R016	Unsat. 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	Unsat. zone 1 (cm**3/g)	3.300E+03	5.000E+01	---	DCNUCU (8,1)
	R016	Unsat. 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	Unsat. zone 1 (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCU (1,1)
	R016	Unsat. 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	5.000E-01	5.000E-01	---	FIND
	R017	Fraction of time spent outdoors (on site)	2.500E-01	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)	1.600E+02	1.600E+02	---	DIET (1)
	R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET (2)
	R018	Milk consumption (L/yr)	1.460E+02	9.200E+01	---	DIET (3)
	R018	Meat and poultry consumption (kg/yr)	6.300E+01	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)	5.840E+02	5.100E+02	---	DWI
	R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
	R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
	R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
	R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
	R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
	R018	Contamination fraction of plant food	-1	-1	0.500E+00	FPLANT
	R018	Contamination fraction of meat	-1	-1	0.100E+01	FMEAT
	R018	Contamination fraction of milk	-1	-1	0.100E+01	FMILK
	R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LF15
	R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LF16
	R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
	R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
	R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
	R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD

Site-Specific Parameter Summary (continued)						
0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
	R019	Depth of roots (m)	9.000E-01	9.000E-01	---	DROOT
	R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
	R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
	R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
	R019	Irrigation fraction from ground water	1.000E+00	1.000E+00	---	FGWIR
	R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
	R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
	R19B	Wet weight crop yield for Fodder (kg/m**2)	1.100E+00	1.100E+00	---	YV(3)
	R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
	R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
	R19B	Growing Season for Fodder (years)	8.000E-02	8.000E-02	---	TE(3)
	R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)
	R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
	R19B	Translocation Factor for Fodder	1.000E+00	1.000E+00	---	TIV(3)
	R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
	R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
	R19B	Dry Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RDRY(3)
	R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
	R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
	R19B	Wet Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RWET(3)
	R19B	Weathering Removal Constant for Vegetation	2.000E+01	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

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
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	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
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	U-234	4.317E+02
Thickness:	0.15 meters	U-235	2.380E+01
Cover Depth:	0.00 meters	U-238	1.016E+02

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):	4.307E+01	4.287E+01	4.247E+01	4.105E+01	3.689E+01	1.983E+01	8.876E-03	6.933E-01
M(t):	2.267E+00	2.257E+00	2.235E+00	2.161E+00	1.941E+00	1.044E+00	4.672E-04	3.649E-02

0Maximum TDOSE(t): 4.307E+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	1.031E-01	0.0024	5.067E+00	0.1176	0.000E+00	0.0000	4.432E+00	0.1029	1.380E+00	0.0320	5.581E+00	0.1296	3.333E+00	0.0774
U-235	1.035E+01	0.2404	2.603E-01	0.0060	0.000E+00	0.0000	2.309E-01	0.0054	7.220E-02	0.0017	2.903E-01	0.0067	1.734E-01	0.0040
U-238	7.437E+00	0.1727	1.066E+00	0.0248	0.000E+00	0.0000	9.915E-01	0.0230	3.086E-01	0.0072	1.249E+00	0.0290	7.456E-01	0.0173
===== Total	1.789E+01	0.4154	6.394E+00	0.1484	0.000E+00	0.0000	5.654E+00	0.1313	1.760E+00	0.0409	7.120E+00	0.1653	4.252E+00	0.0987

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	1.990E+01	0.4619
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	1.138E+01	0.2642
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	1.180E+01	0.2739
===== 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	4.307E+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	1.031E-01	0.0024	5.032E+00	0.1174	0.000E+00	0.0000	4.401E+00	0.1027	1.370E+00	0.0320	5.542E+00	0.1293	3.310E+00	0.0772
U-235	1.034E+01	0.2412	2.586E-01	0.0060	0.000E+00	0.0000	2.300E-01	0.0054	7.267E-02	0.0017	2.883E-01	0.0067	1.724E-01	0.0040
U-238	7.422E+00	0.1731	1.059E+00	0.0247	0.000E+00	0.0000	9.846E-01	0.0230	3.065E-01	0.0071	1.240E+00	0.0289	7.404E-01	0.0173
===== Total	1.787E+01	0.4167	6.349E+00	0.1481	0.000E+00	0.0000	5.616E+00	0.1310	1.749E+00	0.0408	7.070E+00	0.1649	4.222E+00	0.0985

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	1.976E+01	0.4609
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	1.136E+01	0.2650
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	1.175E+01	0.2741
===== 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	4.287E+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	1.030E-01	0.0024	4.962E+00	0.1168	0.000E+00	0.0000	4.340E+00	0.1022	1.351E+00	0.0318	5.465E+00	0.1287	3.263E+00	0.0768
U-235	1.032E+01	0.2429	2.551E-01	0.0060	0.000E+00	0.0000	2.282E-01	0.0054	7.345E-02	0.0017	2.842E-01	0.0067	1.702E-01	0.0040
U-238	7.392E+00	0.1740	1.044E+00	0.0246	0.000E+00	0.0000	9.708E-01	0.0229	3.022E-01	0.0071	1.222E+00	0.0288	7.300E-01	0.0172
===== Total	1.781E+01	0.4194	6.261E+00	0.1474	0.000E+00	0.0000	5.539E+00	0.1304	1.726E+00	0.0406	6.971E+00	0.1641	4.164E+00	0.0980

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	1.948E+01	0.4587
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	1.133E+01	0.2667
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	1.166E+01	0.2746
===== 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	4.247E+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	1.030E-01	0.0025	4.716E+00	0.1149	0.000E+00	0.0000	4.125E+00	0.1005	1.284E+00	0.0313	5.193E+00	0.1265	3.102E+00	0.0756
U-235	1.022E+01	0.2490	2.429E-01	0.0059	0.000E+00	0.0000	2.207E-01	0.0054	7.465E-02	0.0018	2.702E-01	0.0066	1.626E-01	0.0040
U-238	7.281E+00	0.1774	9.920E-01	0.0242	0.000E+00	0.0000	9.227E-01	0.0225	2.872E-01	0.0070	1.162E+00	0.0283	6.938E-01	0.0169
===== Total	1.761E+01	0.4289	5.951E+00	0.1450	0.000E+00	0.0000	5.268E+00	0.1283	1.646E+00	0.0401	6.625E+00	0.1614	3.958E+00	0.0964

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	1.852E+01	0.4512
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	1.119E+01	0.2726
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	1.134E+01	0.2762
===== 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	4.105E+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

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	1.040E-01	0.0028	4.019E+00	0.1090	0.000E+00	0.0000	3.514E+00	0.0953	1.094E+00	0.0297	4.424E+00	0.1199	2.643E+00	0.0717
U-235	9.881E+00	0.2679	2.078E-01	0.0056	0.000E+00	0.0000	1.932E-01	0.0052	6.995E-02	0.0019	2.302E-01	0.0062	1.397E-01	0.0038
U-238	6.911E+00	0.1873	8.451E-01	0.0229	0.000E+00	0.0000	7.860E-01	0.0213	2.447E-01	0.0066	9.898E-01	0.0268	5.910E-01	0.0160
===== Total	1.690E+01	0.4580	5.072E+00	0.1375	0.000E+00	0.0000	4.493E+00	0.1218	1.408E+00	0.0382	5.644E+00	0.1530	3.374E+00	0.0915

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.
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	1.580E+01	0.4283
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	1.072E+01	0.2907
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	1.037E+01	0.2811
===== 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	3.689E+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.
U-234	9.566E-02	0.0048	1.635E+00	0.0824	0.000E+00	0.0000	1.430E+00	0.0721	4.448E-01	0.0224	1.797E+00	0.0906	1.075E+00	0.0542
U-235	7.008E+00	0.3534	8.461E-02	0.0043	0.000E+00	0.0000	7.976E-02	0.0040	2.997E-02	0.0015	9.351E-02	0.0047	5.706E-02	0.0029
U-238	4.594E+00	0.2317	3.433E-01	0.0173	0.000E+00	0.0000	3.195E-01	0.0161	9.948E-02	0.0050	4.022E-01	0.0203	2.401E-01	0.0121
===== Total	1.170E+01	0.5900	2.063E+00	0.1040	0.000E+00	0.0000	1.829E+00	0.0922	5.743E-01	0.0290	2.293E+00	0.1156	1.372E+00	0.0692

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.
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	6.477E+00	0.3266
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	7.353E+00	0.3708
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	5.999E+00	0.3025
===== 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	1.983E+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	7.342E-03	0.8272	1.029E-03	0.1160	0.000E+00	0.0000	4.925E-04	0.0555	2.725E-06	0.0003	9.510E-06	0.0011	8.876E-03	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	7.342E-03	0.8272	1.029E-03	0.1160	0.000E+00	0.0000	4.925E-04	0.0555	2.725E-06	0.0003	9.510E-06	0.0011	8.876E-03	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	5.901E-03	0.0085	1.368E-02	0.0197	0.000E+00	0.0000	3.979E-04	0.0006	9.306E-05	0.0001	1.710E-04	0.0002	2.024E-02	0.0292
U-235	5.520E-01	0.7962	7.168E-02	0.1034	0.000E+00	0.0000	3.708E-02	0.0535	1.168E-02	0.0168	5.967E-04	0.0009	6.730E-01	0.9708
U-238	2.750E-07	0.0000	6.328E-07	0.0000	0.000E+00	0.0000	1.852E-08	0.0000	4.326E-09	0.0000	8.028E-09	0.0000	9.387E-07	0.0000
===== Total	5.579E-01	0.8047	8.536E-02	0.1231	0.000E+00	0.0000	3.748E-02	0.0541	1.177E-02	0.0170	7.677E-04	0.0011	6.933E-01	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

Parent (i)	Product (j)	Branch Fraction*	DSR(j,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	4.609E-02	4.577E-02	4.513E-02	4.290E-02	3.657E-02	1.495E-02	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	2.513E-07	7.389E-07	1.692E-06	4.820E-06	1.197E-05	1.639E-05	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	4.302E-09	3.003E-08	1.550E-07	1.258E-06	8.017E-06	2.956E-05	0.000E+00	4.612E-06
U-234	Pb-210	1.000E+00	1.066E-11	1.398E-10	1.436E-09	2.976E-08	4.077E-07	1.931E-06	0.000E+00	4.228E-05
U-234	äDSR(j)		4.609E-02	4.577E-02	4.513E-02	4.290E-02	3.659E-02	1.500E-02	0.000E+00	4.689E-05
OU-235	U-235	1.000E+00	4.781E-01	4.773E-01	4.757E-01	4.696E-01	4.493E-01	3.082E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	3.940E-05	1.207E-04	2.698E-04	6.626E-04	1.101E-03	5.883E-04	0.000E+00	6.476E-03
U-235	Ac-227	1.000E+00	3.495E-07	2.095E-06	9.218E-06	5.102E-05	1.434E-04	1.122E-04	3.729E-04	2.180E-02
U-235	äDSR(j)		4.782E-01	4.774E-01	4.759E-01	4.703E-01	4.505E-01	3.089E-01	3.729E-04	2.828E-02
OU-238	U-238	1.000E+00	1.161E-01	1.157E-01	1.148E-01	1.116E-01	1.020E-01	5.904E-02	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	6.525E-08	1.946E-07	4.477E-07	1.277E-06	3.162E-06	4.261E-06	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	2.408E-13	1.642E-12	8.482E-12	7.185E-11	5.171E-10	2.327E-09	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	3.037E-15	4.564E-14	5.239E-13	1.286E-11	2.498E-10	3.409E-09	0.000E+00	9.397E-10
U-238	Pb-210	1.000E+00	6.288E-18	1.701E-16	3.764E-15	2.343E-13	1.002E-11	1.908E-10	0.000E+00	8.299E-09
U-238	äDSR(j)		1.161E-01	1.157E-01	1.148E-01	1.116E-01	1.020E-01	5.904E-02	0.000E+00	9.239E-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	4.123E+02	4.151E+02	4.210E+02	4.428E+02	5.192E+02	1.266E+03	*6.245E+09	4.052E+05
U-235	3.973E+01	3.979E+01	3.992E+01	4.040E+01	4.218E+01	6.150E+01	5.095E+04	6.719E+02
U-238	1.636E+02	1.643E+02	1.655E+02	1.702E+02	1.862E+02	3.218E+02	*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	4.317E+02	0.000E+00	4.609E-02	4.123E+02	4.609E-02	4.123E+02
U-235	2.380E+01	0.000E+00	4.782E-01	3.973E+01	4.782E-01	3.973E+01
U-238	1.016E+02	0.000E+00	1.161E-01	1.636E+02	1.161E-01	1.636E+02

Individual Nuclide Dose Summed Over All Pathways										
Parent Nuclide and Branch Fraction Indicated										
ONuclide (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
U-234	U-234	1.000E+00	1.990E+01	1.976E+01	1.948E+01	1.852E+01	1.579E+01	6.456E+00	0.000E+00	0.000E+00
U-234	U-238	1.000E+00	6.630E-06	1.977E-05	4.549E-05	1.297E-04	3.213E-04	4.330E-04	0.000E+00	0.000E+00
U-234	äDOSE(j):		1.990E+01	1.976E+01	1.948E+01	1.852E+01	1.579E+01	6.456E+00	0.000E+00	0.000E+00
0Th-230	U-234	1.000E+00	1.085E-04	3.190E-04	7.306E-04	2.081E-03	5.167E-03	7.076E-03	0.000E+00	0.000E+00
Th-230	U-238	1.000E+00	2.447E-11	1.668E-10	8.618E-10	7.300E-09	5.254E-08	2.364E-07	0.000E+00	0.000E+00
Th-230	äDOSE(j):		1.085E-04	3.190E-04	7.306E-04	2.081E-03	5.167E-03	7.076E-03	0.000E+00	0.000E+00
0Ra-226	U-234	1.000E+00	1.857E-06	1.296E-05	6.693E-05	5.430E-04	3.461E-03	1.276E-02	0.000E+00	1.991E-03
Ra-226	U-238	1.000E+00	3.086E-13	4.637E-12	5.323E-11	1.307E-09	2.538E-08	3.464E-07	0.000E+00	9.547E-08
Ra-226	äDOSE(j):		1.857E-06	1.296E-05	6.693E-05	5.430E-04	3.461E-03	1.276E-02	0.000E+00	1.991E-03
0Pb-210	U-234	1.000E+00	4.603E-09	6.034E-08	6.198E-07	1.285E-05	1.760E-04	8.335E-04	0.000E+00	1.825E-02
Pb-210	U-238	1.000E+00	6.388E-16	1.728E-14	3.825E-13	2.380E-11	1.018E-09	1.939E-08	0.000E+00	8.432E-07
Pb-210	äDOSE(j):		4.603E-09	6.034E-08	6.198E-07	1.285E-05	1.760E-04	8.335E-04	0.000E+00	1.825E-02
0U-235	U-235	1.000E+00	1.138E+01	1.136E+01	1.132E+01	1.118E+01	1.069E+01	7.336E+00	0.000E+00	0.000E+00
0Pa-231	U-235	1.000E+00	9.376E-04	2.873E-03	6.422E-03	1.577E-02	2.620E-02	1.400E-02	0.000E+00	1.541E-01
0Ac-227	U-235	1.000E+00	8.319E-06	4.986E-05	2.194E-04	1.214E-03	3.412E-03	2.669E-03	8.876E-03	5.189E-01
0U-238	U-238	1.000E+00	1.180E+01	1.175E+01	1.166E+01	1.134E+01	1.037E+01	5.998E+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		4.317E+02	4.316E+02	4.313E+02	4.305E+02	4.281E+02	4.197E+02	3.966E+02	3.254E+02
U-234	U-238	1.000E+00		0.000E+00	2.880E-04	8.634E-04	2.872E-03	8.568E-03	2.800E-02	7.942E-02	2.174E-01
U-234	äs(j):			4.317E+02	4.316E+02	4.313E+02	4.305E+02	4.281E+02	4.197E+02	3.967E+02	3.256E+02
0Th-230	U-234	1.000E+00		0.000E+00	3.885E-03	1.165E-02	3.880E-02	1.160E-01	3.822E-01	1.109E+00	3.299E+00
Th-230	U-238	1.000E+00		0.000E+00	1.296E-09	1.166E-08	1.294E-07	1.160E-06	1.270E-05	1.098E-04	1.059E-03
Th-230	äs(j):			0.000E+00	3.885E-03	1.165E-02	3.880E-02	1.160E-01	3.822E-01	1.109E+00	3.300E+00
0Ra-226	U-234	1.000E+00		0.000E+00	8.319E-07	7.314E-06	7.504E-05	5.471E-04	3.423E-03	1.244E-02	3.971E-02
Ra-226	U-238	1.000E+00		0.000E+00	1.855E-13	4.922E-12	1.716E-10	3.942E-09	9.240E-08	1.127E-06	1.240E-05
Ra-226	äs(j):			0.000E+00	8.319E-07	7.314E-06	7.504E-05	5.471E-04	3.423E-03	1.244E-02	3.972E-02
0Pb-210	U-234	1.000E+00		0.000E+00	8.526E-09	2.201E-07	6.988E-06	1.251E-04	1.480E-03	6.534E-03	2.193E-02
Pb-210	U-238	1.000E+00		0.000E+00	1.429E-15	1.116E-13	1.218E-11	7.084E-10	3.419E-08	5.564E-07	6.731E-06
Pb-210	äs(j):			0.000E+00	8.526E-09	2.201E-07	6.988E-06	1.251E-04	1.481E-03	6.534E-03	2.194E-02
0U-235	U-235	1.000E+00		2.380E+01	2.379E+01	2.378E+01	2.373E+01	2.360E+01	2.314E+01	2.188E+01	1.799E+01
0Pa-231	U-235	1.000E+00		0.000E+00	4.915E-04	1.405E-03	3.984E-03	7.916E-03	1.007E-02	9.597E-03	7.889E-03
0Ac-227	U-235	1.000E+00		0.000E+00	7.500E-06	5.926E-05	4.303E-04	1.431E-03	2.100E-03	2.010E-03	1.652E-03
0U-238	U-238	1.000E+00		1.016E+02	1.016E+02	1.015E+02	1.013E+02	1.008E+02	9.880E+01	9.342E+01	7.679E+01

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

ORESMAIN5.EXE execution time = 391.64 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)

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	5.57060E+01	2.43240E-04		
1	5.42682E+01	2.43252E-04	-1.43775E+00	parabolic
2	5.43225E+01	2.43252E-04	6.30628E-03	parabolic
3	5.42139E+01	2.43252E-04	-5.42682E-02	parabolic
4	5.42682E+01	2.43252E-04	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.

Iteration Log for Computation of the Time of Maximum U-235 Dose/Source Ratio
 Pathway: Meat (water independent)
 Tolerance for tmax = 1.0E-03 (fractional accuracy)

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	1.07842E+01	3.13678E-03		
1	1.07165E+01	3.13678E-03	-6.76237E-02	parabolic
2	1.07058E+01	3.13678E-03	-1.28839E-03	parabolic
3	1.06951E+01	3.13678E-03	-1.07058E-02	parabolic
4	1.07058E+01	3.13678E-03	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

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
ID(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)											
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

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
SF(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)											
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.

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	5.945E-01	5.943E-01	5.940E-01	5.926E-01	5.868E-01	4.988E-01	0.000E+00	0.000E+00
U-234	Th-230	1.210E-03	5.923E-01	5.921E-01	5.916E-01	5.898E-01	5.821E-01	4.726E-01	0.000E+00	0.000E+00
U-234	Ra-226	1.120E+01	5.138E-01	5.127E-01	5.105E-01	5.024E-01	4.749E-01	3.014E-01	0.000E+00	0.000E+00
U-234	Pb-210	6.120E-03	5.912E-01	5.910E-01	5.905E-01	5.886E-01	5.807E-01	4.789E-01	0.000E+00	0.000E+00
U-235	U-235	7.570E-01	5.750E-01	5.745E-01	5.734E-01	5.693E-01	5.535E-01	4.020E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.910E-01	5.590E-01	5.582E-01	5.568E-01	5.512E-01	5.308E-01	3.662E-01	0.000E+00	0.000E+00
U-235	Ac-227	2.010E+00	5.602E-01	5.595E-01	5.580E-01	5.525E-01	5.326E-01	3.697E-01	0.000E+00	0.000E+00
U-238	U-238	1.370E-01	5.348E-01	5.339E-01	5.321E-01	5.252E-01	5.014E-01	3.413E-01	0.000E+00	0.000E+00
U-238	U-234	4.020E-04	5.945E-01	5.943E-01	5.940E-01	5.926E-01	5.868E-01	4.988E-01	0.000E+00	0.000E+00
U-238	Th-230	1.210E-03	5.923E-01	5.921E-01	5.916E-01	5.898E-01	5.821E-01	4.726E-01	0.000E+00	0.000E+00
U-238	Ra-226	1.120E+01	5.138E-01	5.127E-01	5.105E-01	5.024E-01	4.749E-01	3.014E-01	0.000E+00	0.000E+00
U-238	Pb-210	6.120E-03	5.912E-01	5.910E-01	5.905E-01	5.886E-01	5.807E-01	4.789E-01	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	2.389E-04	2.388E-04	2.385E-04	2.375E-04	2.338E-04	1.943E-04	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	3.225E-09	9.669E-09	2.254E-08	6.732E-08	1.923E-07	5.069E-07	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	3.701E-09	2.560E-08	1.318E-07	1.072E-06	6.922E-06	2.678E-05	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	1.794E-14	2.639E-13	2.947E-12	6.688E-11	1.072E-09	1.010E-08	0.000E+00	0.000E+00
U-234	äDSR(j)		2.389E-04	2.388E-04	2.387E-04	2.386E-04	2.409E-04	2.216E-04	0.000E+00	0.000E+00
U-235	U-235	1.000E+00	4.350E-01	4.345E-01	4.334E-01	4.294E-01	4.151E-01	2.944E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	1.110E-06	3.256E-06	7.230E-06	1.828E-05	3.393E-05	2.943E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	1.201E-07	7.940E-07	3.694E-06	2.150E-05	6.505E-05	6.523E-05	0.000E+00	0.000E+00
U-235	äDSR(j)		4.350E-01	4.345E-01	4.335E-01	4.295E-01	4.152E-01	2.944E-01	0.000E+00	0.000E+00
U-238	U-238	1.000E+00	7.320E-02	7.305E-02	7.276E-02	7.167E-02	6.802E-02	4.522E-02	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	3.386E-10	1.015E-09	2.367E-09	7.069E-09	2.022E-08	5.537E-08	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	3.047E-15	2.132E-14	1.126E-13	1.002E-12	8.306E-12	7.193E-11	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	2.628E-15	3.905E-14	4.460E-13	1.096E-11	2.157E-10	3.088E-09	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	1.020E-20	3.113E-19	7.573E-18	5.222E-16	2.627E-14	9.971E-13	0.000E+00	0.000E+00
U-238	äDSR(j)		7.320E-02	7.305E-02	7.276E-02	7.167E-02	6.802E-02	4.522E-02	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 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		1.174E-02	1.166E-02	1.149E-02	1.092E-02	9.303E-03	3.778E-03	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		1.303E-07	3.886E-07	8.945E-07	2.553E-06	6.331E-06	8.541E-06	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		4.919E-13	3.389E-12	1.729E-11	1.361E-10	7.969E-10	2.021E-09	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		1.021E-14	1.494E-13	1.648E-12	3.575E-11	4.976E-10	2.362E-09	0.000E+00	0.000E+00
U-234	äDSR(j)			1.174E-02	1.166E-02	1.149E-02	1.092E-02	9.310E-03	3.787E-03	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		1.094E-02	1.086E-02	1.071E-02	1.018E-02	8.670E-03	3.522E-03	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.184E-06	3.455E-06	7.589E-06	1.846E-05	3.048E-05	1.595E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		6.372E-08	4.192E-07	1.930E-06	1.080E-05	2.906E-05	1.747E-05	0.000E+00	0.000E+00
U-235	äDSR(j)			1.094E-02	1.087E-02	1.072E-02	1.021E-02	8.729E-03	3.555E-03	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		1.049E-02	1.042E-02	1.027E-02	9.764E-03	8.317E-03	3.378E-03	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		1.662E-08	4.955E-08	1.140E-07	3.251E-07	8.044E-07	1.077E-06	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		1.231E-13	8.565E-13	4.467E-12	3.800E-11	2.734E-10	1.212E-09	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		3.491E-19	5.168E-18	5.851E-17	1.392E-15	2.484E-14	2.331E-13	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		5.807E-21	1.762E-19	4.235E-18	2.791E-16	1.219E-14	2.332E-13	0.000E+00	0.000E+00
U-238	äDSR(j)			1.049E-02	1.042E-02	1.027E-02	9.764E-03	8.318E-03	3.379E-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 ó 0.5 yr) daughters.

0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A): 2.0234E+06 m**2 Occupancy Factor (FO2): 4.5000E-01
 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: 8.9233E-02 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
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
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

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

Parent	Product	DCF(j,2) *	ETF(j,2,t) (g/yr)							
(i)	(j)		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	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-234	Th-230	3.260E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-234	Ra-226	8.600E-03	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-234	Pb-210	2.320E-02	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
OU-235	U-235	1.230E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-235	Pa-231	1.280E+00	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-235	Ac-227	6.720E+00	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
OU-238	U-238	1.180E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-238	U-234	1.320E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-238	Th-230	3.260E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-238	Ra-226	8.600E-03	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
U-238	Pb-210	2.320E-02	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00

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

Parameters Used for Calculating Indoor and Outdoor Radon Concentration

Radon Vertical Dimension of Mixing (HMIX): 2.000E+00 (m)
 Average Annual Wind Speed (WIND): 3.160E+00 (m/sec)
 Building Room Height (HRM): 2.500E+00 (m)
 Building Air Exchange Rate (REXG): 5.000E-01 (1/hr)

0
 0 Nuclide Time Dependence of Outdoor Radon Concentration [CRNO(i,t)]
 (i) t= 0.000E+00 1.000E+00 3.000E+00 CRNO(i,t) (pCi/m**3)
 ----- 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 Nuclide Time Dependence of Indoor Radon Concentration [HCONC(i,r)]
 (i) t= 0.000E+00 1.000E+00 3.000E+00 HCONC(i,t) (pCi/m**3)
 ----- 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
 =====

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

0

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): 2.500E-01
 Fraction of Time Spent Indoors (FIND): 5.000E-01

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.

0

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

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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
Ac-227	1.000E+00	7.600E+01	7.600E+02	2.774E+02	3.141E+01
Pa-231	1.000E+00	1.885E+02	1.885E+03	6.880E+02	4.726E+04
Pb-210	1.000E+00	3.760E+02	3.760E+03	1.372E+03	3.217E+01
Ra-226	1.000E+00	2.635E+02	2.635E+03	9.617E+02	2.308E+03
Th-230	1.000E+00	2.250E+05	2.250E+06	8.212E+05	1.111E+05
U-234	1.000E+00	4.698E+02	4.698E+03	1.714E+03	3.527E+05
U-235	1.000E+00	4.698E+02	4.698E+03	1.714E+03	1.015E+09
U-238	1.000E+00	4.698E+02	4.698E+03	1.714E+03	6.446E+09

0 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
Ac-227	1.000E+00	9.385E+01	1.707E+02	1.707E+02	2.774E+02
Pa-231	1.000E+00	2.331E+02	4.428E+02	4.428E+02	6.880E+02
Pb-210	1.000E+00	4.653E+02	6.379E+02	9.537E+02	1.372E+03
Ra-226	1.000E+00	3.260E+02	6.379E+02	6.379E+02	9.617E+02
Th-230	1.000E+00	2.786E+05	1.173E+04	Infinite	8.212E+05
U-234	1.000E+00	4.039E+04	1.173E+04	1.173E+04	1.714E+03
U-235	1.000E+00	4.039E+04	1.173E+04	1.173E+04	1.714E+03
U-238	1.000E+00	4.039E+04	1.173E+04	1.173E+04	1.714E+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: $t = \text{STOR_T}(k)$, 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
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

Parent (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	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	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	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	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	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	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	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	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	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	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	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	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

Parent (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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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

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	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	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	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	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	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	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	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	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	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	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	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	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

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	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	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	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	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	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	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	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	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	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	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	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	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

OParent	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
(i)	(j)				CFWW(j,t,6)#							
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	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	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	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	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	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	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	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	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	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	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	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	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

OParent	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
(i)	(j)				CF3(j,1,t)#							
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	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	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	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	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	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	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	1.000E+00	1.000E+00	9.988E-01	9.993E-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	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	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	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	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	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

Parent (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	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	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	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	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	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	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	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	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	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	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	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	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

Parent (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	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	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	2.809E+00	1.534E+00	1.163E+00	1.063E+00	1.031E+00	1.000E+00	1.002E+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	1.039E+00	1.012E+00	1.004E+00	1.002E+00	1.002E+00	1.000E+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	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	1.150E+00	1.044E+00	1.013E+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	1.787E+00	1.218E+00	1.062E+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	1.016E+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	3.417E+00	1.711E+00	1.215E+00	1.081E+00	1.037E+00	1.000E+00	1.002E+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
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
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	2.702E+00	1.525E+00	1.162E+00	1.063E+00	1.031E+00	1.000E+00	1.002E+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	1.036E+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	2.171E+00	1.379E+00	1.141E+00	1.082E+00	1.070E+00	9.961E-01	9.977E-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	1.141E+00	1.043E+00	1.012E+00	1.004E+00	1.001E+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
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	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	1.002E+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
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
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
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	1.001E+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	1.004E+00	1.001E+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
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	1.058E+00	1.019E+00	1.006E+00	1.002E+00	1.001E+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
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
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	1.002E+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
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	1.302E+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
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	1.003E+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
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	9.994E-01	9.996E-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	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

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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.

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
U-234	U-234	2.830E-04	3.625E+01	3.601E+01	3.550E+01	3.375E+01	2.876E+01	1.175E+01	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	1.366E-04	3.905E-04	1.223E-03	3.124E-03	4.285E-03	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	1.036E-06	9.416E-06	9.351E-05	5.871E-04	1.533E-03	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	3.689E-09	8.026E-08	2.270E-06	3.415E-05	1.673E-04	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04	3.625E+01	3.601E+01	3.550E+01	3.375E+01	2.877E+01	1.176E+01	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	2.899E-03	8.327E-03	2.262E-02	3.860E-02	2.047E-02	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	1.382E-05	9.587E-05	6.336E-04	1.784E-03	1.089E-03	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04	3.625E+01	3.601E+01	3.550E+01	3.375E+01	2.877E+01	1.176E+01	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	1.021E-04	3.020E-04	9.567E-04	2.446E-03	3.333E-03	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	2.030E-10	1.689E-09	1.742E-08	1.329E-07	6.054E-07	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	9.485E-13	2.661E-11	9.053E-10	1.795E-08	1.758E-07	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	2.791E-15	1.781E-13	1.698E-11	8.246E-10	1.644E-08	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
U-234	U-234	2.830E-04	1.462E-01	1.452E-01	1.432E-01	1.361E-01	1.160E-01	4.741E-02	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	1.308E-06	3.869E-06	1.227E-05	3.144E-05	4.318E-05	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	2.803E-10	2.431E-09	2.375E-08	1.484E-07	3.871E-07	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	2.873E-12	7.313E-11	2.211E-09	3.394E-08	1.674E-07	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04	1.462E-01	1.452E-01	1.432E-01	1.361E-01	1.160E-01	4.743E-02	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	3.004E-06	8.475E-06	2.288E-05	3.897E-05	2.066E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	4.594E-08	3.581E-07	2.476E-06	7.060E-06	4.318E-06	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04	1.462E-01	1.452E-01	1.432E-01	1.361E-01	1.160E-01	4.743E-02	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	4.118E-07	1.218E-06	3.859E-06	9.868E-06	1.344E-05	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	1.854E-12	1.645E-11	1.738E-10	1.336E-09	6.098E-09	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	2.657E-16	6.951E-15	2.308E-13	4.544E-12	4.440E-11	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	2.047E-18	1.576E-16	1.637E-14	8.165E-13	1.642E-11	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	1.495E-06
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	2.613E-07
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	8.494E-05
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	8.921E-07	5.283E-05
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	3.042E-10
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	5.058E-11
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* - 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	1.436E-04
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	9.987E-05
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	3.268E-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	0.000E+00	1.382E-03	8.174E-02
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	2.928E-08
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	1.937E-08
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* - 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	6.069E-01	6.034E-01	5.950E-01	5.656E-01	4.822E-01	1.974E-01	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	1.020E-06	2.266E-06	6.353E-06	1.568E-05	2.127E-05	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	3.742E-08	4.220E-07	4.488E-06	2.871E-05	7.558E-05	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	2.395E-10	4.379E-09	1.031E-07	1.437E-06	6.857E-06	0.000E+00	0.000E+00
U-235	U-235	2.670E-04	6.069E-01	6.034E-01	5.950E-01	5.656E-01	4.822E-01	1.974E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	6.291E-04	1.977E-03	5.529E-03	9.508E-03	5.060E-03	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	1.112E-06	3.552E-06	1.030E-05	1.841E-05	9.939E-06	0.000E+00	0.000E+00
U-238	U-238	2.690E-04	6.069E-01	6.034E-01	5.950E-01	5.656E-01	4.822E-01	1.974E-01	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	1.711E-06	5.060E-06	1.603E-05	4.101E-05	5.596E-05	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	1.925E-12	1.117E-11	9.502E-11	6.787E-10	3.021E-09	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	2.936E-14	1.136E-12	4.282E-11	8.736E-10	8.652E-09	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	1.751E-16	1.020E-14	7.974E-13	3.523E-11	6.774E-10	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	9.854E-03	9.798E-03	9.661E-03	9.184E-03	7.829E-03	3.205E-03	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	2.935E-08	8.012E-08	2.466E-07	6.267E-07	8.595E-07	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	5.049E-11	4.684E-10	4.685E-09	2.948E-08	7.717E-08	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	4.711E-13	1.180E-11	3.539E-10	5.418E-09	2.674E-08	0.000E+00	0.000E+00
U-235	U-235	2.670E-04	9.854E-03	9.798E-03	9.661E-03	9.184E-03	7.830E-03	3.206E-03	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	2.844E-06	8.313E-06	2.272E-05	3.883E-05	2.063E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	5.108E-09	1.586E-08	4.940E-08	9.587E-08	5.327E-08	0.000E+00	0.000E+00
U-238	U-238	2.690E-04	9.854E-03	9.798E-03	9.661E-03	9.184E-03	7.830E-03	3.206E-03	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	2.778E-08	8.217E-08	2.604E-07	6.659E-07	9.087E-07	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	4.618E-14	3.547E-13	3.539E-12	2.674E-11	1.215E-10	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	4.558E-17	1.317E-15	4.529E-14	9.008E-13	8.846E-12	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	3.363E-19	2.551E-17	2.623E-15	1.304E-13	2.625E-12	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	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	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	3.343E-08
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	4.782E-09
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	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	9.505E-06
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	3.976E-10	4.028E-08
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	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	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	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	6.725E-12
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	9.165E-13

* - 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	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	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	2.846E-05
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	1.587E-05
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	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	3.239E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.435E-06	3.793E-04
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	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	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	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	5.726E-09
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	3.039E-09

* - 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)

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		
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
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
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	1.154E-05
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	6.425E-06
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	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	1.313E-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	0.000E+00	0.000E+00	2.218E-06	1.541E-04
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	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
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
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	2.339E-09
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	1.239E-09
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* - 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
U-234	U-234	2.830E-04	2.008E+00	1.995E+00	1.967E+00	1.870E+00	1.594E+00	6.522E-01	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	1.200E-07	2.364E-07	6.181E-07	1.488E-06	1.999E-06	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	7.912E-08	8.196E-07	8.493E-06	5.396E-05	1.416E-04	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	1.496E-10	2.772E-09	6.884E-08	9.855E-07	4.748E-06	0.000E+00	0.000E+00
U-235	U-235	2.670E-04	2.008E+00	1.995E+00	1.967E+00	1.870E+00	1.594E+00	6.524E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	1.363E-06	3.881E-06	1.051E-05	1.792E-05	9.512E-06	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	3.540E-08	2.096E-07	1.269E-06	3.480E-06	2.114E-06	0.000E+00	0.000E+00
U-238	U-238	2.690E-04	2.008E+00	1.995E+00	1.967E+00	1.870E+00	1.594E+00	6.524E-01	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	5.657E-06	1.673E-05	5.302E-05	1.356E-04	1.849E-04	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	2.530E-13	1.255E-12	9.555E-12	6.525E-11	2.851E-10	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	6.592E-14	2.247E-12	8.148E-11	1.645E-09	1.622E-08	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	1.133E-16	6.401E-15	5.269E-13	2.403E-11	4.681E-10	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
U-234	U-234	2.830E-04	3.260E-02	3.240E-02	3.195E-02	3.037E-02	2.588E-02	1.059E-02	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	3.222E-09	7.972E-09	2.355E-08	5.909E-08	8.063E-08	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	1.039E-10	9.049E-10	8.855E-09	5.537E-08	1.446E-07	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	3.272E-13	8.229E-12	2.478E-10	3.798E-09	1.874E-08	0.000E+00	0.000E+00
U-235	U-235	2.670E-04	3.260E-02	3.240E-02	3.195E-02	3.037E-02	2.589E-02	1.059E-02	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	7.470E-09	1.766E-08	4.448E-08	7.428E-08	3.924E-08	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	3.438E-10	2.689E-09	1.862E-08	5.310E-08	3.252E-08	0.000E+00	0.000E+00
U-238	U-238	2.690E-04	3.260E-02	3.240E-02	3.195E-02	3.037E-02	2.589E-02	1.059E-02	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	9.185E-08	2.717E-07	8.609E-07	2.202E-06	3.002E-06	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	5.687E-15	3.722E-14	3.442E-13	2.537E-12	1.142E-11	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	9.818E-17	2.585E-15	8.601E-14	1.695E-12	1.658E-11	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	2.344E-19	1.777E-17	1.836E-15	9.139E-14	1.839E-12	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	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	6.266E-08
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	3.332E-09
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	1.782E-08
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	7.474E-10	4.455E-08
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	1.268E-11
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	6.447E-13
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* - 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	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	5.335E-05
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	1.115E-05
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	6.071E-05
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	1.022E-05	6.062E-04
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	1.080E-08
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	2.155E-09
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* - 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	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	8.559E-05
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	1.785E-05
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	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	9.737E-05
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	1.650E-05	9.745E-04
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	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	1.757E-08
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	3.490E-09
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* - 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	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	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	0.000E+00	4.172E-03
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	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	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	0.000E+00	2.891E-03	1.709E-01
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	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	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	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	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	2.140E-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	0.000E+00	1.487E-03
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	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	4.869E-01
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	2.062E-02	1.218E+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	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	4.395E-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	0.000E+00	2.910E-07

* - 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		1.023E-02	1.015E-02	1.001E-02	9.515E-03	8.105E-03	3.293E-03	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		3.885E-08	1.099E-07	2.481E-07	7.009E-07	1.733E-06	2.336E-06	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		4.465E-10	3.260E-09	1.705E-08	1.360E-07	7.998E-07	2.032E-06	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		7.166E-12	9.073E-11	9.169E-10	1.884E-08	2.573E-07	1.214E-06	0.000E+00	0.000E+00
U-234	äDSR(j)			1.023E-02	1.015E-02	1.001E-02	9.516E-03	8.108E-03	3.299E-03	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		9.647E-03	9.580E-03	9.446E-03	8.977E-03	7.648E-03	3.108E-03	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.522E-05	4.572E-05	1.015E-04	2.481E-04	4.103E-04	2.148E-04	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		7.451E-08	4.304E-07	1.854E-06	1.000E-05	2.661E-05	1.596E-05	0.000E+00	0.000E+00
U-235	äDSR(j)			9.662E-03	9.626E-03	9.549E-03	9.235E-03	8.084E-03	3.338E-03	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		9.719E-03	9.652E-03	9.517E-03	9.044E-03	7.705E-03	3.131E-03	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		1.448E-08	4.316E-08	9.933E-08	2.832E-07	7.008E-07	9.383E-07	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		3.873E-14	2.499E-14	1.257E-12	1.049E-11	7.496E-11	3.217E-10	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		3.059E-16	4.872E-15	5.715E-14	1.386E-12	2.489E-11	2.343E-10	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		4.294E-18	1.115E-16	2.415E-15	1.485E-13	6.328E-12	1.200E-10	0.000E+00	0.000E+00
U-238	äDSR(j)			9.719E-03	9.652E-03	9.517E-03	9.045E-03	7.706E-03	3.132E-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 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		4.125E-05	4.096E-05	4.039E-05	3.838E-05	3.269E-05	1.328E-05	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		3.591E-10	1.071E-09	2.465E-09	7.033E-09	1.744E-08	2.354E-08	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		1.249E-13	8.601E-13	4.386E-12	3.453E-11	2.022E-10	5.130E-10	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		5.256E-15	7.682E-14	8.473E-13	1.837E-11	2.557E-10	1.215E-09	0.000E+00	0.000E+00
U-234	äDSR(j)			4.125E-05	4.096E-05	4.039E-05	3.839E-05	3.271E-05	1.331E-05	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		3.891E-05	3.865E-05	3.810E-05	3.621E-05	3.085E-05	1.253E-05	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.609E-08	4.696E-08	1.031E-07	2.509E-07	4.143E-07	2.168E-07	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		2.309E-10	1.518E-09	6.989E-09	3.912E-08	1.053E-07	6.328E-08	0.000E+00	0.000E+00
U-235	äDSR(j)			3.893E-05	3.869E-05	3.821E-05	3.650E-05	3.137E-05	1.281E-05	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		3.921E-05	3.893E-05	3.839E-05	3.648E-05	3.108E-05	1.263E-05	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		5.840E-11	1.741E-10	4.007E-10	1.142E-09	2.827E-09	3.785E-09	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		3.393E-16	2.360E-15	1.231E-14	1.047E-13	7.533E-13	3.341E-12	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		8.869E-20	1.311E-18	1.485E-17	3.532E-16	6.302E-15	5.917E-14	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		2.991E-21	9.062E-20	2.177E-18	1.435E-16	6.267E-15	1.199E-13	0.000E+00	0.000E+00
U-238	äDSR(j)			3.921E-05	3.893E-05	3.839E-05	3.648E-05	3.108E-05	1.263E-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/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	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	1.990E-09
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	1.901E-09
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	3.892E-09
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	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	9.005E-07
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	1.334E-08	7.819E-07
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	1.334E-08	1.682E-06
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	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	4.058E-13
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	3.729E-13
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	7.787E-13

*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

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	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	1.912E-07
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	7.267E-07
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	9.179E-07
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	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	3.465E-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	0.000E+00	0.000E+00	2.068E-05	1.210E-03
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	2.068E-05	1.556E-03
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	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	3.898E-11
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	1.425E-10
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	1.815E-10

*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=	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		1.027E-02	1.020E-02	1.005E-02	9.553E-03	8.138E-03	3.306E-03	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		3.921E-08	1.110E-07	2.506E-07	7.080E-07	1.750E-06	2.359E-06	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		4.466E-10	3.261E-09	1.705E-08	1.360E-07	8.000E-07	2.033E-06	0.000E+00	1.932E-07
U-234	Pb-210	1.000E+00		7.171E-12	9.081E-11	9.178E-10	1.886E-08	2.575E-07	1.215E-06	0.000E+00	7.286E-07
U-234	äDSR(j)			1.027E-02	1.020E-02	1.005E-02	9.554E-03	8.141E-03	3.312E-03	0.000E+00	9.218E-07
U-235	U-235	1.000E+00		9.686E-03	9.619E-03	9.484E-03	9.013E-03	7.678E-03	3.120E-03	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.524E-05	4.577E-05	1.016E-04	2.483E-04	4.107E-04	2.150E-04	0.000E+00	3.474E-04
U-235	Ac-227	1.000E+00		7.474E-08	4.319E-07	1.861E-06	1.004E-05	2.671E-05	1.602E-05	2.069E-05	1.211E-03
U-235	äDSR(j)			9.701E-03	9.665E-03	9.588E-03	9.272E-03	8.116E-03	3.351E-03	2.069E-05	1.558E-03
U-238	U-238	1.000E+00		9.759E-03	9.691E-03	9.555E-03	9.081E-03	7.736E-03	3.144E-03	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		1.454E-08	4.334E-08	9.973E-08	2.844E-07	7.037E-07	9.421E-07	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		3.907E-14	2.522E-13	1.269E-12	1.059E-11	7.571E-11	3.350E-10	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		3.060E-16	4.873E-15	5.717E-14	1.387E-12	2.490E-11	2.344E-10	0.000E+00	3.939E-11
U-238	Pb-210	1.000E+00		4.297E-18	1.116E-16	2.417E-15	1.487E-13	6.335E-12	1.201E-10	0.000E+00	1.429E-10
U-238	äDSR(j)			9.759E-03	9.691E-03	9.555E-03	9.081E-03	7.737E-03	3.144E-03	0.000E+00	1.823E-10

*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		1.713E-04	1.702E-04	1.678E-04	1.595E-04	1.359E-04	5.529E-05	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		3.542E-10	7.312E-10	1.409E-09	3.632E-09	8.694E-09	1.160E-08	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		1.386E-11	1.328E-10	7.755E-10	6.535E-09	3.912E-08	1.002E-07	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		4.496E-13	5.552E-12	4.846E-11	8.508E-10	1.082E-08	4.975E-08	0.000E+00	0.000E+00
U-234	äDSR(j)			1.713E-04	1.702E-04	1.678E-04	1.595E-04	1.359E-04	5.545E-05	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		1.617E-04	1.606E-04	1.583E-04	1.505E-04	1.282E-04	5.218E-05	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		2.957E-06	1.039E-05	2.424E-05	6.067E-05	1.011E-04	5.310E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		7.072E-09	2.578E-08	6.101E-08	1.581E-07	2.734E-07	1.456E-07	0.000E+00	0.000E+00
U-235	äDSR(j)			1.646E-04	1.710E-04	1.826E-04	2.113E-04	2.296E-04	1.054E-04	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		1.629E-04	1.618E-04	1.595E-04	1.516E-04	1.292E-04	5.257E-05	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		2.426E-10	7.234E-10	1.665E-09	4.747E-09	1.175E-08	1.576E-08	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		4.280E-16	2.005E-15	8.016E-15	5.695E-14	3.826E-13	1.655E-12	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		8.133E-18	1.822E-16	2.497E-15	6.571E-14	1.212E-12	1.153E-11	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		2.526E-19	6.962E-18	1.340E-16	6.930E-15	2.701E-13	4.945E-12	0.000E+00	0.000E+00
U-238	äDSR(j)			1.629E-04	1.618E-04	1.595E-04	1.516E-04	1.292E-04	5.259E-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.

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

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		2.782E-06	2.763E-06	2.724E-06	2.589E-06	2.206E-06	8.978E-07	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		8.725E-12	2.311E-11	5.073E-11	1.413E-10	3.476E-10	4.686E-10	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		2.147E-14	1.607E-13	8.494E-13	6.814E-12	4.016E-11	1.023E-10	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		8.637E-16	1.250E-14	1.365E-13	2.940E-12	4.082E-11	1.941E-10	0.000E+00	0.000E+00
U-234	äDSR(j)			2.782E-06	2.763E-06	2.725E-06	2.589E-06	2.206E-06	8.985E-07	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		2.625E-06	2.607E-06	2.570E-06	2.443E-06	2.081E-06	8.473E-07	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.464E-08	4.525E-08	1.014E-07	2.491E-07	4.128E-07	2.166E-07	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		3.544E-11	1.156E-10	2.737E-10	7.613E-10	1.425E-09	7.806E-10	0.000E+00	0.000E+00
U-235	äDSR(j)			2.639E-06	2.652E-06	2.672E-06	2.693E-06	2.496E-06	1.065E-06	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		2.644E-06	2.626E-06	2.590E-06	2.461E-06	2.097E-06	8.536E-07	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		3.940E-12	1.175E-11	2.703E-11	7.707E-11	1.908E-10	2.558E-10	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		9.205E-18	5.459E-17	2.622E-16	2.129E-15	1.508E-14	6.659E-14	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		1.451E-20	2.381E-19	2.836E-18	6.937E-17	1.249E-15	1.179E-14	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		4.910E-22	1.479E-20	3.516E-19	2.298E-17	1.001E-15	1.916E-14	0.000E+00	0.000E+00
U-238	äDSR(j)			2.644E-06	2.626E-06	2.590E-06	2.461E-06	2.097E-06	8.539E-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.

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	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	4.449E-11
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	3.479E-11
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	7.929E-11
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	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	1.008E-07
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	5.948E-12	5.963E-10
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	5.948E-12	1.014E-07
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	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	9.026E-15
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	6.812E-15
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	1.584E-14

*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	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	3.788E-08
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	1.155E-07
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	1.534E-07
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	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	3.434E-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	0.000E+00	0.000E+00	8.130E-08	5.614E-06
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	8.130E-08	3.490E-04
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	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	7.685E-12
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	2.259E-11
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	3.028E-11

*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

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	1.536E-08
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	4.675E-08
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	6.211E-08
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	1.392E-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	3.318E-08	2.280E-06
U-235	äDSR (j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.318E-08	1.415E-04
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	3.132E-12
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	9.158E-12
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	1.229E-11

*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

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		3.196E-03	3.173E-03	3.129E-03	2.974E-03	2.533E-03	1.029E-03	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		9.838E-09	2.585E-08	5.655E-08	1.572E-07	3.865E-07	5.201E-07	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		3.711E-11	3.067E-10	1.695E-09	1.391E-08	8.257E-08	2.107E-07	0.000E+00	5.329E-08
U-234	Pb-210	1.000E+00		1.385E-12	1.909E-11	1.963E-10	4.036E-09	5.505E-08	2.597E-07	0.000E+00	1.623E-07
U-234	äDSR (j)			3.196E-03	3.173E-03	3.129E-03	2.974E-03	2.534E-03	1.030E-03	0.000E+00	2.156E-07
0U-235	U-235	1.000E+00		3.015E-03	2.994E-03	2.952E-03	2.806E-03	2.390E-03	9.715E-04	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		1.879E-05	5.930E-05	1.338E-04	3.298E-04	5.470E-04	2.867E-04	0.000E+00	4.827E-04
U-235	Ac-227	1.000E+00		4.538E-08	1.506E-07	3.565E-07	9.792E-07	1.809E-06	9.853E-07	1.145E-07	7.894E-06
U-235	äDSR (j)			3.034E-03	3.053E-03	3.086E-03	3.136E-03	2.939E-03	1.259E-03	1.145E-07	4.906E-04
0U-238	U-238	1.000E+00		3.037E-03	3.016E-03	2.974E-03	2.827E-03	2.408E-03	9.788E-04	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		4.525E-09	1.349E-08	3.104E-08	8.851E-08	2.190E-07	2.933E-07	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		1.043E-14	6.134E-14	2.930E-13	2.371E-12	1.677E-11	7.391E-11	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		2.385E-17	4.399E-16	5.566E-15	1.408E-13	2.564E-12	2.427E-11	0.000E+00	1.083E-11
U-238	Pb-210	1.000E+00		7.844E-19	2.298E-17	5.150E-16	3.183E-14	1.355E-12	2.567E-11	0.000E+00	3.176E-11
U-238	äDSR (j)			3.037E-03	3.016E-03	2.974E-03	2.827E-03	2.408E-03	9.791E-04	0.000E+00	4.258E-11

*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		5.666E-04	5.627E-04	5.548E-04	5.273E-04	4.492E-04	1.827E-04	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		4.465E-11	8.184E-11	1.452E-10	3.528E-10	8.251E-10	1.090E-09	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		3.110E-11	2.675E-10	1.498E-09	1.236E-08	7.351E-08	1.877E-07	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		2.910E-13	3.447E-12	3.092E-11	5.692E-10	7.421E-09	3.445E-08	0.000E+00	0.000E+00
U-234	äDSR(j)			5.666E-04	5.627E-04	5.548E-04	5.273E-04	4.493E-04	1.829E-04	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		5.345E-04	5.309E-04	5.235E-04	4.975E-04	4.238E-04	1.724E-04	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		7.230E-09	2.141E-08	4.726E-08	1.152E-07	1.905E-07	9.982E-08	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		1.990E-10	1.026E-09	3.985E-09	1.999E-08	5.188E-08	3.099E-08	0.000E+00	0.000E+00
U-235	äDSR(j)			5.345E-04	5.309E-04	5.235E-04	4.976E-04	4.241E-04	1.725E-04	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		5.385E-04	5.349E-04	5.274E-04	5.012E-04	4.270E-04	1.737E-04	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		8.023E-10	2.392E-09	5.504E-09	1.569E-08	3.884E-08	5.206E-08	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		6.029E-17	2.463E-16	8.832E-16	5.709E-15	3.676E-14	1.562E-13	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		1.937E-17	3.791E-16	4.895E-15	1.249E-13	2.281E-12	2.162E-11	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		1.706E-19	4.353E-18	8.459E-17	4.588E-15	1.843E-13	3.417E-12	0.000E+00	0.000E+00
U-238	äDSR(j)			5.385E-04	5.349E-04	5.274E-04	5.012E-04	4.271E-04	1.738E-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

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		9.200E-06	9.137E-06	9.009E-06	8.562E-06	7.294E-06	2.966E-06	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00		1.039E-12	2.423E-12	5.007E-12	1.348E-11	3.277E-11	4.396E-11	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00		4.615E-14	3.196E-13	1.633E-12	1.287E-11	7.542E-11	1.916E-10	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00		6.019E-16	8.691E-15	9.525E-14	2.059E-12	2.862E-11	1.360E-10	0.000E+00	0.000E+00
U-234	äDSR(j)			9.200E-06	9.137E-06	9.009E-06	8.562E-06	7.294E-06	2.967E-06	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00		8.679E-06	8.620E-06	8.499E-06	8.078E-06	6.882E-06	2.800E-06	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00		4.692E-11	1.073E-10	2.120E-10	4.870E-10	7.896E-10	4.119E-10	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00		1.724E-12	1.138E-11	5.250E-11	2.941E-10	7.918E-10	4.766E-10	0.000E+00	0.000E+00
U-235	äDSR(j)			8.679E-06	8.620E-06	8.500E-06	8.079E-06	6.884E-06	2.800E-06	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00		8.744E-06	8.685E-06	8.563E-06	8.138E-06	6.934E-06	2.821E-06	0.000E+00	0.000E+00
U-238	U-234	1.000E+00		1.303E-11	3.884E-11	8.937E-11	2.548E-10	6.307E-10	8.453E-10	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00		1.233E-18	6.223E-18	2.710E-17	2.067E-16	1.430E-15	6.258E-15	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00		3.265E-20	4.864E-19	5.524E-18	1.316E-16	2.350E-15	2.210E-14	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00		3.443E-22	1.029E-20	2.452E-19	1.608E-17	7.015E-16	1.343E-14	0.000E+00	0.000E+00
U-238	äDSR(j)			8.744E-06	8.685E-06	8.563E-06	8.139E-06	6.934E-06	2.821E-06	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

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	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	8.341E-11
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	2.425E-11
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	1.077E-10
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	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	1.889E-10
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	1.118E-11	6.595E-10
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	1.118E-11	8.483E-10
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	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	1.692E-14
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	4.745E-15
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	2.166E-14

*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

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	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	7.102E-08
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	8.111E-08
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	1.521E-07
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	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	6.436E-07
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	1.528E-07	8.972E-06
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	1.528E-07	9.616E-06
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	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	1.440E-11
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	1.586E-11
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	3.027E-11

*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	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	1.139E-07
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	1.299E-07
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	2.438E-07
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	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	1.032E-06
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	2.468E-07	1.442E-05
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	2.468E-07	1.546E-05
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	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	2.321E-11
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	2.552E-11
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	4.873E-11

*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	1.293E-02	1.284E-02	1.266E-02	1.203E-02	1.025E-02	4.162E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	1.441E-09	3.337E-09	6.873E-09	1.846E-08	4.485E-08	6.005E-08	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	9.290E-11	6.952E-10	3.683E-09	2.958E-08	1.744E-07	4.436E-07	0.000E+00	1.850E-07	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	1.098E-12	1.509E-11	1.585E-10	3.327E-09	4.575E-08	2.164E-07	0.000E+00	2.110E-07	0.000E+00	0.000E+00
U-234	äDSR (j)		1.293E-02	1.284E-02	1.266E-02	1.203E-02	1.025E-02	4.162E-03	0.000E+00	3.961E-07	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00	1.220E-02	1.211E-02	1.194E-02	1.135E-02	9.668E-03	3.928E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	7.007E-08	1.649E-07	3.306E-07	3.588E-07	1.245E-06	6.491E-07	0.000E+00	1.676E-06	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	2.485E-09	1.611E-08	7.350E-08	4.094E-07	1.100E-06	6.609E-07	3.996E-07	2.340E-05	0.000E+00	0.000E+00
U-235	äDSR (j)		1.220E-02	1.211E-02	1.194E-02	1.135E-02	9.671E-03	3.929E-03	3.996E-07	2.507E-05	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00	1.229E-02	1.220E-02	1.203E-02	1.143E-02	9.741E-03	3.957E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	1.830E-08	5.457E-08	1.256E-07	3.581E-07	8.860E-07	1.186E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	1.717E-15	8.608E-15	3.730E-14	2.834E-13	1.958E-12	8.551E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	6.312E-17	1.030E-15	1.229E-14	3.011E-13	5.425E-12	5.114E-11	0.000E+00	3.763E-11	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	6.321E-19	1.813E-17	4.130E-16	2.613E-14	1.124E-12	2.138E-11	0.000E+00	4.138E-11	0.000E+00	0.000E+00
U-238	äDSR (j)		1.229E-02	1.220E-02	1.203E-02	1.144E-02	9.742E-03	3.958E-03	0.000E+00	7.902E-11	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
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
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	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
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	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: $CUMBRF(j) = BRF(1) * BRF(2) * \dots * BRF(j)$.
 The DSR includes contributions from associated (half-life ó 0.5 yr) daughters.

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

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,7,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	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	2.848E-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	0.000E+00	0.000E+00	1.082E-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	0.000E+00	0.000E+00	1.367E-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	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	5.162E-03
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	3.085E-04	1.803E-02
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	3.085E-04	2.319E-02
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	5.803E-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	0.000E+00	0.000E+00	2.126E-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	0.000E+00	0.000E+00	2.706E-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.

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

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
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	U-234	2.5000E-03	1.2876E-06	6.1745E-06
U-234	Th-230	U-234	1.0000E-03	1.2876E-06	6.1745E-06
U-234	Ra-226	U-234	4.0000E-02	1.2876E-06	6.1745E-06
U-234	Pb-210	U-234	1.0000E-02	1.2876E-06	6.1745E-06
0 U-235	U-235	U-235	2.5000E-03	1.2876E-06	6.1745E-06
U-235	Pa-231	U-235	1.0000E-02	1.2876E-06	6.1745E-06
U-235	Ac-227	U-235	2.5000E-03	1.2876E-06	6.1745E-06
0 U-238	U-238	U-238	2.5000E-03	1.2876E-06	6.1745E-06
U-238	U-234	U-238	2.5000E-03	1.2876E-06	6.1745E-06
U-238	Th-230	U-238	1.0000E-03	1.2876E-06	6.1745E-06
U-238	Ra-226	U-238	4.0000E-02	1.2876E-06	6.1745E-06
U-238	Pb-210	U-238	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):		
0Nuclide	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
-----	-----	-----	-----	-----	-----
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

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
U-234	U-234	1.000E+00	7.720E-03	7.666E-03	7.559E-03	7.183E-03	6.119E-03	2.485E-03	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	6.721E-08	2.004E-07	4.613E-07	1.316E-06	3.265E-06	4.405E-06	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	2.334E-11	1.608E-10	8.201E-10	6.456E-09	3.781E-08	9.590E-08	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	9.819E-13	1.436E-11	1.585E-10	3.437E-09	4.783E-08	2.271E-07	0.000E+00	0.000E+00
U-234	äDSR(j)		7.720E-03	7.667E-03	7.559E-03	7.185E-03	6.122E-03	2.490E-03	0.000E+00	0.000E+00
OU-235	U-235	1.000E+00	7.284E-03	7.233E-03	7.132E-03	6.778E-03	5.773E-03	2.345E-03	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	3.007E-06	8.777E-06	1.928E-05	4.689E-05	7.744E-05	4.051E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	4.305E-08	2.832E-07	1.304E-06	7.298E-06	1.964E-05	1.180E-05	0.000E+00	0.000E+00
U-235	äDSR(j)		7.287E-03	7.242E-03	7.152E-03	6.832E-03	5.871E-03	2.397E-03	0.000E+00	0.000E+00
OU-238	U-238	1.000E+00	7.338E-03	7.287E-03	7.185E-03	6.828E-03	5.817E-03	2.363E-03	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	1.093E-08	3.259E-08	7.499E-08	2.138E-07	5.291E-07	7.081E-07	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	6.348E-14	4.417E-13	2.303E-12	1.960E-11	1.410E-10	6.251E-10	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	1.656E-17	2.452E-16	2.776E-15	6.605E-14	1.178E-12	1.106E-11	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	5.582E-19	1.694E-17	4.072E-16	2.683E-14	1.172E-12	2.242E-11	0.000E+00	0.000E+00
U-238	äDSR(j)		7.338E-03	7.287E-03	7.185E-03	6.829E-03	5.817E-03	2.363E-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 ó 0.5 yr) daughters.

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
U-234	U-234	2.830E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
OU-235	U-235	2.670E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
OU-238	U-238	2.690E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	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
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
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
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
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
U-234	3.852E+01	1.571E+04	4.890E+03	1.979E+04	1.182E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.221E+04
U-235	2.124E+00	8.662E+02	2.696E+02	1.091E+03	6.515E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.878E+03
U-238	9.066E+00	3.698E+03	1.151E+03	4.657E+03	2.781E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.229E+04

* 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

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	1.617E-07	0.0005	1.618E-05	0.0483	2.074E-05	0.0620	6.454E-06	0.0193	2.612E-05	0.0780	1.560E-05	0.0466
U-235	1.109E-04	0.3312	8.283E-07	0.0025	1.221E-06	0.0036	3.801E-07	0.0011	1.538E-06	0.0046	9.187E-07	0.0027
U-238	1.076E-04	0.3214	3.264E-06	0.0098	6.878E-06	0.0205	2.140E-06	0.0064	8.663E-06	0.0259	5.173E-06	0.0155
Total	2.186E-04	0.6531	2.027E-05	0.0606	2.884E-05	0.0862	8.975E-06	0.0268	3.632E-05	0.1085	2.169E-05	0.0648

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	8.526E-05	0.2547
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	1.157E-04	0.3458
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	1.337E-04	0.3995
===== 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	3.347E-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
 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	1.617E-07	0.0005	1.618E-05	0.0483	0.000E+00	0.0000	2.074E-05	0.0620	6.454E-06	0.0193	2.612E-05	0.0780	1.560E-05	0.0466
U-235	1.109E-04	0.3312	8.283E-07	0.0025	0.000E+00	0.0000	1.221E-06	0.0036	3.801E-07	0.0011	1.538E-06	0.0046	9.187E-07	0.0027
U-238	1.076E-04	0.3214	3.264E-06	0.0098	0.000E+00	0.0000	6.878E-06	0.0205	2.140E-06	0.0064	8.663E-06	0.0259	5.173E-06	0.0155
===== Total	2.186E-04	0.6531	2.027E-05	0.0606	0.000E+00	0.0000	2.884E-05	0.0862	8.975E-06	0.0268	3.632E-05	0.1085	2.169E-05	0.0648

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	8.526E-05	0.2547
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	1.157E-04	0.3458
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	1.337E-04	0.3995
===== 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	3.347E-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	6.648E-07	3.301E-04	1.579E-04	1.169E-05	2.039E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.036E-04
Pa-231	4.356E-05	6.907E-02	8.814E-02	2.703E-04	1.336E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.708E-01
Pb-210	7.557E-10	1.594E-06	3.237E-07	2.539E-07	2.318E-07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.403E-06
Ra-226	7.374E-08	4.473E-04	3.976E-05	9.421E-05	2.262E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.039E-04
Th-230	3.444E-04	5.952E-02	1.421E-02	1.921E-03	1.057E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.813E-01
U-234	3.825E+01	1.561E+04	4.858E+03	1.965E+04	1.174E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.185E+04
U-235	2.109E+00	8.604E+02	2.678E+02	1.083E+03	6.470E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.859E+03
U-238	9.003E+00	3.673E+03	1.143E+03	4.625E+03	2.762E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.220E+04

* 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

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	1.171E-10	0.0000	1.575E-12	0.0000	6.239E-12	0.0000	2.983E-12	0.0000	2.209E-13	0.0000	3.854E-12	0.0000
Pa-231	2.222E-10	0.0000	3.137E-11	0.0000	3.108E-10	0.0000	3.966E-10	0.0000	1.216E-12	0.0000	6.014E-11	0.0000
Pb-210	2.162E-17	0.0000	8.615E-17	0.0000	4.829E-14	0.0000	9.808E-15	0.0000	7.692E-15	0.0000	7.025E-15	0.0000
Ra-226	8.573E-11	0.0000	5.973E-15	0.0000	4.026E-12	0.0000	3.578E-13	0.0000	8.479E-13	0.0000	2.036E-13	0.0000
Th-230	3.037E-12	0.0000	1.756E-10	0.0000	6.785E-11	0.0000	1.620E-11	0.0000	2.190E-12	0.0000	1.204E-10	0.0000
U-234	1.616E-07	0.0005	1.607E-05	0.0482	2.060E-05	0.0618	6.412E-06	0.0192	2.594E-05	0.0778	1.549E-05	0.0464
U-235	1.107E-04	0.3319	8.225E-07	0.0025	1.213E-06	0.0036	3.776E-07	0.0011	1.528E-06	0.0046	9.123E-07	0.0027
U-238	1.074E-04	0.3219	3.241E-06	0.0097	6.832E-06	0.0205	2.127E-06	0.0064	8.603E-06	0.0258	5.137E-06	0.0154
Total	2.183E-04	0.6543	2.013E-05	0.0604	2.865E-05	0.0859	8.917E-06	0.0267	3.607E-05	0.1081	2.154E-05	0.0646

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	1.319E-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	1.022E-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	7.293E-14	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	9.117E-11	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	3.854E-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	8.467E-05	0.2538
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	1.156E-04	0.3465
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	1.333E-04	0.3997
===== 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	3.336E-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	1.617E-07	0.0005	1.607E-05	0.0482	0.000E+00	0.0000	2.060E-05	0.0618	6.412E-06	0.0192	2.594E-05	0.0778	1.549E-05	0.0464
U-235	1.107E-04	0.3319	8.225E-07	0.0025	0.000E+00	0.0000	1.214E-06	0.0036	3.780E-07	0.0011	1.528E-06	0.0046	9.123E-07	0.0027
U-238	1.074E-04	0.3219	3.241E-06	0.0097	0.000E+00	0.0000	6.832E-06	0.0205	2.127E-06	0.0064	8.603E-06	0.0258	5.137E-06	0.0154
===== Total	2.183E-04	0.6543	2.013E-05	0.0604	0.000E+00	0.0000	2.865E-05	0.0859	8.917E-06	0.0267	3.607E-05	0.1081	2.154E-05	0.0646

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	8.468E-05	0.2538
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	1.156E-04	0.3465
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	1.333E-04	0.3997
===== 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	3.336E-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	5.182E-06	2.290E-03	4.920E-04	8.975E-05	1.590E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.462E-03
Pa-231	1.229E-04	1.984E-01	2.609E-01	6.542E-04	3.770E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.976E-01
Pb-210	1.925E-08	3.468E-05	7.409E-06	5.955E-06	5.904E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.395E-05
Ra-226	6.396E-07	4.066E-03	4.011E-04	8.765E-04	1.962E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.540E-03
Th-230	1.019E-03	1.702E-01	3.857E-02	4.726E-03	3.126E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.261E-01
U-234	3.772E+01	1.539E+04	4.790E+03	1.938E+04	1.157E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.113E+04
U-235	2.080E+00	8.484E+02	2.641E+02	1.068E+03	6.380E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.819E+03
U-238	8.877E+00	3.622E+03	1.127E+03	4.561E+03	2.723E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.203E+04

* 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

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	9.227E-10	0.0000	1.228E-11	0.0000	4.329E-11	0.0000	9.299E-12	0.0000	1.696E-12	0.0000	3.005E-11	0.0000
Pa-231	6.338E-10	0.0000	8.848E-11	0.0000	8.927E-10	0.0000	1.174E-09	0.0000	2.944E-12	0.0000	1.697E-10	0.0000
Pb-210	5.575E-16	0.0000	2.194E-15	0.0000	1.051E-12	0.0000	2.245E-13	0.0000	1.804E-13	0.0000	1.789E-13	0.0000
Ra-226	7.505E-10	0.0000	5.181E-14	0.0000	3.659E-11	0.0000	3.610E-12	0.0000	7.889E-12	0.0000	1.766E-12	0.0000
Th-230	9.100E-12	0.0000	5.197E-10	0.0000	1.941E-10	0.0000	4.397E-11	0.0000	5.388E-12	0.0000	3.564E-10	0.0000
U-234	1.614E-07	0.0005	1.584E-05	0.0478	2.031E-05	0.0613	6.323E-06	0.0191	2.558E-05	0.0772	1.527E-05	0.0461
U-235	1.104E-04	0.3334	8.110E-07	0.0024	1.196E-06	0.0036	3.724E-07	0.0011	1.506E-06	0.0045	8.995E-07	0.0027
U-238	1.069E-04	0.3228	3.196E-06	0.0096	6.736E-06	0.0203	2.097E-06	0.0063	8.483E-06	0.0256	5.065E-06	0.0153
Total	2.176E-04	0.6568	1.985E-05	0.0599	2.825E-05	0.0853	8.793E-06	0.0265	3.557E-05	0.1074	2.124E-05	0.0641

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	1.019E-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	2.961E-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	1.637E-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	8.005E-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	1.129E-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	8.349E-05	0.2521
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	1.152E-04	0.3479
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	1.325E-04	0.4001
===== 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	3.313E-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
 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+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	1.622E-07	0.0005	1.584E-05	0.0478	0.000E+00	0.0000	2.031E-05	0.0613	6.323E-06	0.0191	2.558E-05	0.0772	1.527E-05	0.0461
U-235	1.105E-04	0.3334	8.111E-07	0.0024	0.000E+00	0.0000	1.197E-06	0.0036	3.735E-07	0.0011	1.506E-06	0.0045	8.997E-07	0.0027
U-238	1.069E-04	0.3228	3.196E-06	0.0096	0.000E+00	0.0000	6.737E-06	0.0203	2.097E-06	0.0063	8.483E-06	0.0256	5.066E-06	0.0153
===== Total	2.176E-04	0.6568	1.985E-05	0.0599	0.000E+00	0.0000	2.825E-05	0.0853	8.793E-06	0.0265	3.557E-05	0.1074	2.124E-05	0.0641

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	8.350E-05	0.2521
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	1.152E-04	0.3479
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	1.325E-04	0.4001
===== 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	3.313E-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	3.584E-05	1.514E-02	1.513E-03	6.169E-04	1.099E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.826E-02
Pa-231	3.318E-04	5.389E-01	7.158E-01	1.664E-03	1.018E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.358E+00
Pb-210	5.820E-07	9.811E-04	2.100E-04	1.730E-04	1.786E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.543E-03
Ra-226	6.250E-06	4.038E-02	4.127E-03	8.781E-03	1.917E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.521E-02
Th-230	3.231E-03	5.333E-01	1.185E-01	1.392E-02	9.913E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.657E+00
U-234	3.585E+01	1.463E+04	4.553E+03	1.842E+04	1.100E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.860E+04
U-235	1.977E+00	8.064E+02	2.510E+02	1.015E+03	6.064E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.679E+03
U-238	8.438E+00	3.443E+03	1.072E+03	4.335E+03	2.589E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.144E+04

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

0

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

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

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	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	6.634E-09	0.0000	8.494E-11	0.0000	2.861E-10	0.0000	2.860E-11	0.0000	1.166E-11	0.0000	2.078E-10	0.0000
Pa-231	1.779E-09	0.0000	2.389E-10	0.0000	2.425E-09	0.0000	3.221E-09	0.0000	7.489E-12	0.0000	4.580E-10	0.0000
Pb-210	1.765E-14	0.0000	6.635E-14	0.0000	2.973E-11	0.0000	6.364E-12	0.0000	5.241E-12	0.0000	5.410E-12	0.0000
Ra-226	7.578E-09	0.0000	5.063E-13	0.0000	3.634E-10	0.0000	3.714E-11	0.0000	7.903E-11	0.0000	1.726E-11	0.0000
Th-230	3.020E-11	0.0000	1.648E-09	0.0000	6.079E-10	0.0000	1.350E-10	0.0000	1.587E-11	0.0000	1.130E-09	0.0000
U-234	1.607E-07	0.0005	1.506E-05	0.0466	1.931E-05	0.0598	6.010E-06	0.0186	2.431E-05	0.0753	1.452E-05	0.0449
U-235	1.094E-04	0.3388	7.709E-07	0.0024	1.137E-06	0.0035	3.539E-07	0.0011	1.432E-06	0.0044	8.550E-07	0.0026
U-238	1.054E-04	0.3261	3.038E-06	0.0094	6.403E-06	0.0198	1.993E-06	0.0062	8.063E-06	0.0250	4.815E-06	0.0149
Total	2.150E-04	0.6654	1.887E-05	0.0584	2.685E-05	0.0831	8.360E-06	0.0259	3.381E-05	0.1047	2.019E-05	0.0625

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	7.253E-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	8.129E-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	4.683E-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	8.076E-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	3.567E-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	7.937E-05	0.2457
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	1.140E-04	0.3528
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	1.297E-04	0.4014
===== 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	3.230E-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	1.683E-07	0.0005	1.506E-05	0.0466	0.000E+00	0.0000	1.931E-05	0.0598	6.010E-06	0.0186	2.431E-05	0.0753	1.452E-05	0.0449
U-235	1.094E-04	0.3388	7.712E-07	0.0024	0.000E+00	0.0000	1.140E-06	0.0035	3.572E-07	0.0011	1.432E-06	0.0044	8.557E-07	0.0026
U-238	1.054E-04	0.3261	3.038E-06	0.0094	0.000E+00	0.0000	6.403E-06	0.0198	1.993E-06	0.0062	8.063E-06	0.0250	4.815E-06	0.0149
===== Total	2.150E-04	0.6654	1.887E-05	0.0584	0.000E+00	0.0000	2.685E-05	0.0831	8.360E-06	0.0259	3.381E-05	0.1047	2.019E-05	0.0625

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	7.938E-05	0.2457
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	1.140E-04	0.3529
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	1.297E-04	0.4014
===== 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	3.230E-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	1.022E-04	4.264E-02	2.897E-03	1.756E-03	3.134E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.863E-02
Pa-231	5.651E-04	9.195E-01	1.225E+00	2.788E-03	1.734E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.320E+00
Pb-210	8.933E-06	1.476E-02	3.155E-03	2.622E-03	2.741E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.327E-02
Ra-226	3.906E-05	2.535E-01	2.617E-02	5.527E-02	1.198E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.469E-01
Th-230	8.281E-03	1.362E+00	3.008E-01	3.491E-02	2.541E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.238E+00
U-234	3.056E+01	1.247E+04	3.881E+03	1.570E+04	9.375E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.142E+04
U-235	1.685E+00	6.874E+02	2.140E+02	8.656E+02	5.169E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.284E+03
U-238	7.192E+00	2.934E+03	9.134E+02	3.695E+03	2.206E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.749E+03

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

0

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

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

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

0

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	2.127E-08	0.0001	2.421E-10	0.0000	8.059E-10	0.0000	5.475E-11	0.0000	3.318E-11	0.0000	5.924E-10	0.0000
Pa-231	3.404E-09	0.0000	4.069E-10	0.0000	4.138E-09	0.0000	5.510E-09	0.0000	1.254E-11	0.0000	7.801E-10	0.0000
Pb-210	3.118E-13	0.0000	1.018E-12	0.0000	4.471E-10	0.0000	9.558E-11	0.0000	7.943E-11	0.0000	8.304E-11	0.0000
Ra-226	5.223E-08	0.0002	3.164E-12	0.0000	2.282E-09	0.0000	2.355E-10	0.0000	4.974E-10	0.0000	1.078E-10	0.0000
Th-230	8.914E-11	0.0000	4.223E-09	0.0000	1.553E-09	0.0000	3.429E-10	0.0000	3.980E-11	0.0000	2.896E-09	0.0000
U-234	1.582E-07	0.0005	1.283E-05	0.0430	1.646E-05	0.0552	5.123E-06	0.0172	2.072E-05	0.0695	1.237E-05	0.0415
U-235	1.058E-04	0.3548	6.571E-07	0.0022	9.692E-07	0.0033	3.017E-07	0.0010	1.220E-06	0.0041	7.288E-07	0.0024
U-238	1.000E-04	0.3354	2.589E-06	0.0087	5.458E-06	0.0183	1.699E-06	0.0057	6.873E-06	0.0230	4.104E-06	0.0138
Total	2.061E-04	0.6910	1.609E-05	0.0539	2.289E-05	0.0768	7.130E-06	0.0239	2.882E-05	0.0966	1.721E-05	0.0577

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	2.299E-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	1.425E-08	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	7.065E-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	5.535E-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	9.144E-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	6.767E-05	0.2269
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	1.097E-04	0.3678
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	1.208E-04	0.4049
===== 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	2.982E-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	2.106E-07	0.0007	1.284E-05	0.0431	0.000E+00	0.0000	1.646E-05	0.0552	5.123E-06	0.0172	2.072E-05	0.0695	1.238E-05	0.0415
U-235	1.058E-04	0.3549	6.577E-07	0.0022	0.000E+00	0.0000	9.742E-07	0.0033	3.073E-07	0.0010	1.220E-06	0.0041	7.301E-07	0.0024
U-238	1.000E-04	0.3354	2.589E-06	0.0087	0.000E+00	0.0000	5.458E-06	0.0183	1.699E-06	0.0057	6.873E-06	0.0230	4.104E-06	0.0138
===== Total	2.061E-04	0.6910	1.609E-05	0.0539	0.000E+00	0.0000	2.289E-05	0.0768	7.130E-06	0.0239	2.882E-05	0.0966	1.721E-05	0.0577

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	6.773E-05	0.2271
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	1.097E-04	0.3679
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	1.208E-04	0.4049
===== 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	2.982E-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	6.247E-05	2.602E-02	1.600E-03	1.073E-03	1.917E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.786E-02
Pa-231	2.995E-04	4.877E-01	6.502E-01	1.472E-03	9.187E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.231E+00
Pb-210	4.404E-05	7.229E-02	1.545E-02	1.287E-02	1.351E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.141E-01
Ra-226	1.018E-04	6.621E-01	6.863E-02	1.445E-01	3.124E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.065E-01
Th-230	1.137E-02	1.868E+00	4.119E-01	4.755E-02	3.488E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.816E+00
U-234	1.248E+01	5.095E+03	1.587E+03	6.414E+03	3.830E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.693E+04
U-235	6.884E-01	2.810E+02	8.749E+01	3.537E+02	2.112E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.333E+02
U-238	2.939E+00	1.199E+03	3.735E+02	1.510E+03	9.015E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.984E+03

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

0

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

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

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	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	2.167E-08	0.0001	1.481E-10	0.0000	4.918E-10	0.0000	3.025E-11	0.0000	2.029E-11	0.0000	3.622E-10	0.0000
Pa-231	2.987E-09	0.0000	2.156E-10	0.0000	2.195E-09	0.0000	2.926E-09	0.0000	6.624E-12	0.0000	4.134E-10	0.0000
Pb-210	3.042E-12	0.0000	5.020E-12	0.0000	2.190E-09	0.0000	4.681E-10	0.0000	3.900E-10	0.0000	4.093E-10	0.0000
Ra-226	2.074E-07	0.0012	8.247E-12	0.0000	5.959E-09	0.0000	6.176E-10	0.0000	1.300E-09	0.0000	2.811E-10	0.0000
Th-230	2.385E-10	0.0000	5.798E-09	0.0000	2.130E-09	0.0000	4.695E-10	0.0000	5.421E-11	0.0000	3.976E-09	0.0000
U-234	1.319E-07	0.0007	5.243E-06	0.0291	6.726E-06	0.0373	2.094E-06	0.0116	8.466E-06	0.0470	5.055E-06	0.0281
U-235	7.536E-05	0.4183	2.685E-07	0.0015	3.962E-07	0.0022	1.234E-07	0.0007	4.987E-07	0.0028	2.978E-07	0.0017
U-238	6.676E-05	0.3706	1.058E-06	0.0059	2.231E-06	0.0124	6.947E-07	0.0039	2.808E-06	0.0156	1.677E-06	0.0093
Total	1.425E-04	0.7909	6.576E-06	0.0365	9.366E-06	0.0520	2.917E-06	0.0162	1.178E-05	0.0654	7.035E-06	0.0391

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	2.272E-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	8.743E-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	3.466E-09	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	2.155E-07	0.0012
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	1.267E-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	2.772E-05	0.1539
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	7.694E-05	0.4271
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	7.523E-05	0.4176
===== 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	1.801E-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	3.395E-07	0.0019	5.249E-06	0.0291	0.000E+00	0.0000	6.736E-06	0.0374	2.096E-06	0.0116	8.468E-06	0.0470	5.060E-06	0.0281
U-235	7.538E-05	0.4184	2.688E-07	0.0015	0.000E+00	0.0000	3.989E-07	0.0022	1.263E-07	0.0007	4.987E-07	0.0028	2.985E-07	0.0017
U-238	6.676E-05	0.3706	1.058E-06	0.0059	0.000E+00	0.0000	2.231E-06	0.0124	6.948E-07	0.0039	2.809E-06	0.0156	1.677E-06	0.0093
===== Total	1.425E-04	0.7909	6.576E-06	0.0365	0.000E+00	0.0000	9.366E-06	0.0520	2.917E-06	0.0162	1.178E-05	0.0654	7.035E-06	0.0391

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	2.795E-05	0.1551
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	7.697E-05	0.4273
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	7.523E-05	0.4176
===== 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	1.801E-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	9.277E-09	0.8272	1.301E-09	0.1160	6.222E-10	0.0555	3.443E-12	0.0003	1.202E-11	0.0011	1.122E-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	9.277E-09	0.8272	1.301E-09	0.1160	6.222E-10	0.0555	3.443E-12	0.0003	1.202E-11	0.0011	1.122E-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

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	9.277E-09	0.8272	1.301E-09	0.1160	0.000E+00	0.0000	6.222E-10	0.0555	3.443E-12	0.0003	1.202E-11	0.0011	1.122E-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	9.277E-09	0.8272	1.301E-09	0.1160	0.000E+00	0.0000	6.222E-10	0.0555	3.443E-12	0.0003	1.202E-11	0.0011	1.122E-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	5.480E-07	0.6703	7.686E-08	0.0940	3.679E-08	0.0450	2.399E-10	0.0003	7.110E-10	0.0009	6.626E-07	0.8105
Pa-231	5.214E-08	0.0638	4.878E-09	0.0060	3.510E-09	0.0043	4.876E-09	0.0060	1.693E-11	0.0000	6.542E-08	0.0800
Pb-210	1.945E-08	0.0238	5.457E-08	0.0668	1.310E-09	0.0016	2.918E-10	0.0004	3.794E-10	0.0005	7.600E-08	0.0930
Ra-226	8.314E-09	0.0102	3.889E-09	0.0048	5.639E-10	0.0007	1.556E-10	0.0002	5.401E-10	0.0007	1.346E-08	0.0165
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	6.279E-07	0.7681	1.402E-07	0.1715	4.218E-08	0.0516	5.563E-09	0.0068	1.647E-09	0.0020	8.175E-07	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

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

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	2.777E-08	0.0340	5.846E-08	0.0715	0.000E+00	0.0000	1.874E-09	0.0023	4.473E-10	0.0005	9.195E-10	0.0011	8.946E-08	0.1094
U-235	6.001E-07	0.7341	8.174E-08	0.1000	0.000E+00	0.0000	4.030E-08	0.0493	5.116E-09	0.0063	7.280E-10	0.0009	7.280E-07	0.8906
U-238	1.298E-12	0.0000	2.685E-12	0.0000	0.000E+00	0.0000	8.683E-14	0.0000	2.055E-14	0.0000	4.333E-14	0.0000	4.133E-12	0.0000
===== Total	6.279E-07	0.7681	1.402E-07	0.1715	0.000E+00	0.0000	4.218E-08	0.0516	5.563E-09	0.0068	1.647E-09	0.0020	8.175E-07	1.0000

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

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Part IV: Concentration of Radionuclides
=====

Concentration of radionuclides in different media

Time= 0.000E+00	2
Time= 1.000E+00	3
Time= 3.000E+00	4
Time= 1.000E+01	5
Time= 3.000E+01	6
Time= 1.000E+02	7
Time= 3.000E+02	8
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
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	4.317E+02	4.317E+02	1.019E-02	0.000E+00	0.000E+00
U-235	2.380E+01	2.380E+01	5.618E-04	0.000E+00	0.000E+00
U-238	1.016E+02	1.016E+02	2.398E-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
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	1.804E+02	1.825E+02	1.828E+02	1.828E+02	7.762E+01	1.355E+02	0.000E+00	0.000E+00
U-235	0.000E+00	9.947E+00	1.006E+01	1.008E+01	1.008E+01	4.279E+00	7.473E+00	0.000E+00	0.000E+00
U-238	0.000E+00	4.246E+01	4.296E+01	4.302E+01	4.302E+01	1.827E+01	3.190E+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 = 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
Ac-227	7.500E-06	7.450E-06	1.759E-10	0.000E+00	0.000E+00
Pa-231	4.915E-04	4.882E-04	1.152E-08	0.000E+00	0.000E+00
Pb-210	8.526E-09	8.469E-09	1.999E-13	0.000E+00	0.000E+00
Ra-226	8.319E-07	8.264E-07	1.951E-11	0.000E+00	0.000E+00
Th-230	3.885E-03	3.860E-03	9.111E-08	0.000E+00	0.000E+00
U-234	4.316E+02	4.287E+02	1.012E-02	0.000E+00	0.000E+00
U-235	2.379E+01	2.363E+01	5.579E-04	0.000E+00	0.000E+00
U-238	1.016E+02	1.009E+02	2.382E-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
Ac-227	0.000E+00	3.846E-06	3.204E-06	4.846E-06	5.280E-06	2.506E-06	8.005E-08	0.000E+00	0.000E+00
Pa-231	0.000E+00	7.920E-04	8.151E-04	7.014E-04	7.430E-04	1.399E-03	1.851E-06	0.000E+00	0.000E+00
Pb-210	0.000E+00	1.865E-08	1.452E-08	2.224E-08	2.567E-08	5.138E-09	1.739E-09	0.000E+00	0.000E+00
Ra-226	0.000E+00	5.112E-06	5.486E-06	3.774E-06	4.259E-06	6.311E-07	6.453E-07	0.000E+00	0.000E+00
Th-230	0.000E+00	6.854E-04	6.697E-04	7.525E-04	7.871E-04	2.256E-04	1.316E-05	0.000E+00	0.000E+00
U-234	0.000E+00	1.792E+02	1.813E+02	1.818E+02	1.817E+02	7.711E+01	1.346E+02	0.000E+00	0.000E+00
U-235	0.000E+00	9.881E+00	9.994E+00	1.002E+01	1.002E+01	4.251E+00	7.421E+00	0.000E+00	0.000E+00
U-238	0.000E+00	4.218E+01	4.266E+01	4.278E+01	4.276E+01	1.815E+01	3.168E+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+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
Ac-227	5.926E-05	5.808E-05	1.371E-09	0.000E+00	0.000E+00
Pa-231	1.405E-03	1.377E-03	3.251E-08	0.000E+00	0.000E+00
Pb-210	2.201E-07	2.157E-07	5.092E-12	0.000E+00	0.000E+00
Ra-226	7.314E-06	7.168E-06	1.692E-10	0.000E+00	0.000E+00
Th-230	1.165E-02	1.142E-02	2.696E-07	0.000E+00	0.000E+00
U-234	4.313E+02	4.227E+02	9.979E-03	0.000E+00	0.000E+00
U-235	2.378E+01	2.330E+01	5.501E-04	0.000E+00	0.000E+00
U-238	1.015E+02	9.948E+01	2.348E-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
Ac-227	0.000E+00	2.647E-05	2.472E-05	3.053E-05	3.141E-05	7.810E-06	6.147E-07	0.000E+00	0.000E+00
Pa-231	0.000E+00	2.278E-03	2.302E-03	2.206E-03	2.242E-03	4.141E-03	4.481E-06	0.000E+00	0.000E+00
Pb-210	0.000E+00	4.017E-07	3.639E-07	4.634E-07	4.857E-07	1.176E-07	4.079E-08	0.000E+00	0.000E+00
Ra-226	0.000E+00	4.665E-05	4.775E-05	4.257E-05	4.411E-05	6.367E-06	6.004E-06	0.000E+00	0.000E+00
Th-230	0.000E+00	1.955E-03	1.976E-03	2.064E-03	2.098E-03	6.123E-04	3.237E-05	0.000E+00	0.000E+00
U-234	0.000E+00	1.767E+02	1.787E+02	1.792E+02	1.791E+02	7.603E+01	1.327E+02	0.000E+00	0.000E+00
U-235	0.000E+00	9.743E+00	9.854E+00	9.880E+00	9.877E+00	4.192E+00	7.317E+00	0.000E+00	0.000E+00
U-238	0.000E+00	4.159E+01	4.207E+01	4.218E+01	4.216E+01	1.789E+01	3.124E+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 = 1.000E+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
Ac-227	4.303E-04	4.016E-04	9.481E-09	0.000E+00	0.000E+00
Pa-231	3.984E-03	3.718E-03	8.777E-08	0.000E+00	0.000E+00
Pb-210	6.988E-06	6.523E-06	1.540E-10	0.000E+00	0.000E+00
Ra-226	7.504E-05	7.004E-05	1.653E-09	0.000E+00	0.000E+00
Th-230	3.880E-02	3.621E-02	8.548E-07	0.000E+00	0.000E+00
U-234	4.305E+02	4.018E+02	9.485E-03	0.000E+00	0.000E+00
U-235	2.373E+01	2.215E+01	5.229E-04	0.000E+00	0.000E+00
U-238	1.013E+02	9.456E+01	2.232E-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+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	1.743E-04	1.703E-04	1.894E-04	1.907E-04	2.402E-05	4.225E-06	0.000E+00	0.000E+00
Pa-231	0.000E+00	6.192E-03	6.219E-03	6.168E-03	6.191E-03	1.136E-02	1.140E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	1.131E-05	1.094E-05	1.209E-05	1.225E-05	3.334E-06	1.185E-06	0.000E+00	0.000E+00
Ra-226	0.000E+00	4.639E-04	4.672E-04	4.527E-04	4.571E-04	6.550E-05	6.014E-05	0.000E+00	0.000E+00
Th-230	0.000E+00	6.118E-03	6.261E-03	6.365E-03	6.396E-03	1.880E-03	9.537E-05	0.000E+00	0.000E+00
U-234	0.000E+00	1.680E+02	1.699E+02	1.704E+02	1.703E+02	7.227E+01	1.262E+02	0.000E+00	0.000E+00
U-235	0.000E+00	9.261E+00	9.367E+00	9.392E+00	9.388E+00	3.984E+00	6.955E+00	0.000E+00	0.000E+00
U-238	0.000E+00	3.953E+01	3.999E+01	4.009E+01	4.008E+01	1.701E+01	2.969E+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
Ac-227	1.431E-03	1.145E-03	2.703E-08	0.000E+00	0.000E+00
Pa-231	7.916E-03	6.333E-03	1.495E-07	0.000E+00	0.000E+00
Pb-210	1.251E-04	1.001E-04	2.363E-09	0.000E+00	0.000E+00
Ra-226	5.471E-04	4.377E-04	1.033E-08	0.000E+00	0.000E+00
Th-230	1.160E-01	9.280E-02	2.191E-06	0.000E+00	0.000E+00
U-234	4.281E+02	3.424E+02	8.084E-03	0.000E+00	0.000E+00
U-235	2.360E+01	1.888E+01	4.457E-04	0.000E+00	0.000E+00
U-238	1.008E+02	8.060E+01	1.903E-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+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	4.906E-04	4.850E-04	5.231E-04	5.235E-04	4.598E-05	1.203E-05	0.000E+00	0.000E+00
Pa-231	0.000E+00	1.057E-02	1.059E-02	1.061E-02	1.061E-02	1.944E-02	1.909E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	1.698E-04	1.677E-04	1.758E-04	1.765E-04	5.007E-05	1.796E-05	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.913E-03	2.920E-03	2.896E-03	2.904E-03	4.153E-04	3.785E-04	0.000E+00	0.000E+00
Th-230	0.000E+00	1.562E-02	1.604E-02	1.619E-02	1.621E-02	4.774E-03	2.391E-04	0.000E+00	0.000E+00
U-234	0.000E+00	1.432E+02	1.448E+02	1.452E+02	1.452E+02	6.160E+01	1.075E+02	0.000E+00	0.000E+00
U-235	0.000E+00	7.894E+00	7.984E+00	8.007E+00	8.003E+00	3.396E+00	5.928E+00	0.000E+00	0.000E+00
U-238	0.000E+00	3.370E+01	3.408E+01	3.418E+01	3.417E+01	1.450E+01	2.531E+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 = 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	2.100E-03	7.001E-04	1.653E-08	0.000E+00	0.000E+00
Pa-231	1.007E-02	3.356E-03	7.923E-08	0.000E+00	0.000E+00
Pb-210	1.481E-03	4.935E-04	1.165E-08	0.000E+00	0.000E+00
Ra-226	3.423E-03	1.141E-03	2.694E-08	0.000E+00	0.000E+00
Th-230	3.822E-01	1.274E-01	3.008E-06	0.000E+00	0.000E+00
U-234	4.197E+02	1.399E+02	3.303E-03	0.000E+00	0.000E+00
U-235	2.314E+01	7.714E+00	1.821E-04	0.000E+00	0.000E+00
U-238	9.880E+01	3.293E+01	7.774E-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+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	2.993E-04	2.965E-04	3.184E-04	3.181E-04	2.540E-05	7.352E-06	0.000E+00	0.000E+00
Pa-231	0.000E+00	5.605E-03	5.615E-03	5.645E-03	5.639E-03	1.032E-02	1.008E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	8.313E-04	8.261E-04	8.523E-04	8.522E-04	2.452E-04	8.816E-05	0.000E+00	0.000E+00
Ra-226	0.000E+00	7.611E-03	7.614E-03	7.624E-03	7.622E-03	1.089E-03	9.897E-04	0.000E+00	0.000E+00
Th-230	0.000E+00	2.143E-02	2.202E-02	2.220E-02	2.219E-02	6.537E-03	3.257E-04	0.000E+00	0.000E+00
U-234	0.000E+00	5.852E+01	5.916E+01	5.945E+01	5.939E+01	2.518E+01	4.393E+01	0.000E+00	0.000E+00
U-235	0.000E+00	3.227E+00	3.262E+00	3.278E+00	3.275E+00	1.389E+00	2.422E+00	0.000E+00	0.000E+00
U-238	0.000E+00	1.377E+01	1.393E+01	1.399E+01	1.398E+01	5.928E+00	1.034E+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+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	2.010E-03	0.000E+00	0.000E+00	8.406E-04	1.701E-03
Pa-231	9.597E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	6.534E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	1.244E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	1.109E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	3.967E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	2.188E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	9.342E+01	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	8.405E-04	2.898E-04	1.391E-03	1.513E-03	1.514E-03	2.891E-06	4.355E-06	2.549E-02	1.699E+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	0.000E+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-	Surface	Air Par-	Well	Surface
	ted Zone	Soil*	ticulate	Water	Water
	pCi/g	pCi/g	pCi/m**3	pCi/l	pCi/l
Ac-227	1.652E-03	0.000E+00	0.000E+00	4.965E-02	1.005E-01
Pa-231	7.889E-03	0.000E+00	0.000E+00	1.984E-02	4.015E-02
Pb-210	2.194E-02	0.000E+00	0.000E+00	1.099E-03	2.224E-03
Ra-226	3.972E-02	0.000E+00	0.000E+00	1.582E-03	3.201E-03
Th-230	3.300E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	3.256E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	1.799E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	7.679E+01	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	Nonleafy	Leafy	Fodder	Fodder	Meat	Milk	Fish	Crustacea
	Water	Vegetable	Vegetable	Meat	Milk				
	pCi/l	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/l	pCi/kg	pCi/kg
Ac-227	4.965E-02	1.714E-02	8.220E-02	8.984E-02	8.985E-02	2.015E-04	2.577E-04	1.506E+00	1.004E+02
Pa-231	1.984E-02	6.872E-03	3.288E-02	3.600E-02	3.600E-02	1.720E-02	2.577E-05	4.015E-01	4.416E+00
Pb-210	1.099E-03	3.810E-04	1.822E-03	1.997E-03	1.998E-03	1.528E-04	8.576E-05	6.670E-01	2.228E-01
Ra-226	1.582E-03	5.532E-04	2.629E-03	2.872E-03	2.872E-03	2.743E-04	4.110E-04	1.600E-01	8.002E-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

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	2.86E-06	1.52E-06	0.00E+00	1.78E-06	1.08E-06	5.92E-08	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-06
Pa-231	2.64E-05	2.82E-05	0.00E+00	3.63E-04	4.47E-04	1.67E-06	7.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04
Pb-210	7.75E-12	4.41E-12	0.00E+00	3.10E-09	5.98E-10	4.74E-10	4.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-09
Ra-226	1.60E-06	2.12E-10	0.00E+00	1.93E-07	1.60E-08	4.01E-08	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-06
Th-230	1.39E-06	5.63E-05	0.00E+00	1.69E-05	4.25E-06	6.22E-07	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04
U-234	1.03E-01	5.07E+00	0.00E+00	4.43E+00	1.38E+00	5.58E+00	3.33E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E+01
U-235	1.04E+01	2.60E-01	0.00E+00	2.31E-01	7.18E-02	2.90E-01	1.73E-01	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-238	7.44E+00	1.07E+00	0.00E+00	9.91E-01	3.09E-01	1.25E+00	7.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+01
===== Total	1.79E+01	6.39E+00	0.00E+00	5.65E+00	1.76E+00	7.12E+00	4.25E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E+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	
Ac-227	1.89E-05	9.98E-06	0.00E+00	1.03E-05	3.59E-06	3.83E-07	6.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05
Pa-231	7.75E-05	8.22E-05	0.00E+00	1.09E-03	1.41E-03	3.93E-06	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-03
Pb-210	1.14E-10	6.45E-11	0.00E+00	3.92E-08	8.24E-09	6.51E-09	6.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-08
Ra-226	1.11E-05	1.46E-09	0.00E+00	1.41E-06	1.32E-07	3.00E-07	6.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05
Th-230	4.17E-06	1.68E-04	0.00E+00	4.79E-05	1.12E-05	1.44E-06	8.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
U-234	1.03E-01	5.03E+00	0.00E+00	4.40E+00	1.37E+00	5.54E+00	3.31E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+01
U-235	1.03E+01	2.59E-01	0.00E+00	2.29E-01	7.13E-02	2.88E-01	1.72E-01	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-238	7.42E+00	1.06E+00	0.00E+00	9.85E-01	3.06E-01	1.24E+00	7.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+01
===== Total	1.79E+01	6.35E+00	0.00E+00	5.62E+00	1.75E+00	7.07E+00	4.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E+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						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	8.79E-05	4.59E-05	0.00E+00	4.43E-05	8.49E-06	1.75E-06	3.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04
Pa-231	1.72E-04	1.81E-04	0.00E+00	2.42E-03	3.19E-03	7.87E-06	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-03
Pb-210	1.27E-09	7.12E-10	0.00E+00	3.96E-07	8.48E-08	6.84E-08	6.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07
Ra-226	5.69E-05	7.46E-09	0.00E+00	7.36E-06	7.32E-07	1.59E-06	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-05
Th-230	9.73E-06	3.86E-04	0.00E+00	1.08E-04	2.44E-05	2.97E-06	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
U-234	1.03E-01	4.96E+00	0.00E+00	4.34E+00	1.35E+00	5.46E+00	3.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E+01
U-235	1.03E+01	2.55E-01	0.00E+00	2.26E-01	7.03E-02	2.84E-01	1.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01
U-238	7.39E+00	1.04E+00	0.00E+00	9.71E-01	3.02E-01	1.22E+00	7.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E+01
===== Total	1.78E+01	6.26E+00	0.00E+00	5.54E+00	1.73E+00	6.97E+00	4.16E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E+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	5.12E-04	2.57E-04	0.00E+00	2.39E-04	2.33E-05	9.74E-06	1.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
Pa-231	4.35E-04	4.39E-04	0.00E+00	5.91E-03	7.85E-03	1.82E-05	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02
Pb-210	2.89E-08	1.54E-08	0.00E+00	8.14E-06	1.74E-06	1.44E-06	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05
Ra-226	4.63E-04	5.87E-08	0.00E+00	5.87E-05	6.00E-06	1.28E-05	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04
Th-230	2.91E-05	1.10E-03	0.00E+00	3.06E-04	6.79E-05	7.97E-06	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
U-234	1.03E-01	4.71E+00	0.00E+00	4.12E+00	1.28E+00	5.19E+00	3.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E+01
U-235	1.02E+01	2.42E-01	0.00E+00	2.15E-01	6.68E-02	2.70E-01	1.61E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+01
U-238	7.28E+00	9.92E-01	0.00E+00	9.23E-01	2.87E-01	1.16E+00	6.94E-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	1.76E+01	5.95E+00	0.00E+00	5.27E+00	1.65E+00	6.63E+00	3.96E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E+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

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	1.55E-03	6.92E-04	0.00E+00	6.36E-04	4.31E-05	2.62E-05	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03
Pa-231	8.07E-04	7.25E-04	0.00E+00	9.78E-03	1.30E-02	2.96E-05	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-02
Pb-210	4.63E-07	2.15E-07	0.00E+00	1.11E-04	2.38E-05	1.98E-05	2.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04
Ra-226	2.99E-03	3.44E-07	0.00E+00	3.45E-04	3.56E-05	7.53E-05	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03
Th-230	8.30E-05	2.73E-03	0.00E+00	7.56E-04	1.67E-04	1.94E-05	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-03
U-234	1.01E-01	4.02E+00	0.00E+00	3.51E+00	1.09E+00	4.42E+00	2.64E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E+01
U-235	9.88E+00	2.06E-01	0.00E+00	1.83E-01	5.69E-02	2.30E-01	1.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+01
U-238	6.91E+00	8.45E-01	0.00E+00	7.86E-01	2.45E-01	9.90E-01	5.91E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+01
===== Total	1.69E+01	5.07E+00	0.00E+00	4.49E+00	1.41E+00	5.64E+00	3.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E+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	
Ac-227	1.55E-03	4.16E-04	0.00E+00	3.81E-04	2.35E-05	1.57E-05	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
Pa-231	7.00E-04	3.80E-04	0.00E+00	5.12E-03	6.82E-03	1.54E-05	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-02
Pb-210	4.36E-06	1.02E-06	0.00E+00	5.25E-04	1.12E-04	9.34E-05	9.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04
Ra-226	1.16E-02	8.73E-07	0.00E+00	8.78E-04	9.10E-05	1.92E-04	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
Th-230	2.19E-04	3.69E-03	0.00E+00	1.02E-03	2.25E-04	2.59E-05	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-03
U-234	8.39E-02	1.63E+00	0.00E+00	1.43E+00	4.44E-01	1.80E+00	1.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E+00
U-235	7.01E+00	8.38E-02	0.00E+00	7.43E-02	2.31E-02	9.35E-02	5.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E+00
U-238	4.59E+00	3.43E-01	0.00E+00	3.19E-01	9.94E-02	4.02E-01	2.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E+00
===== Total	1.17E+01	2.06E+00	0.00E+00	1.83E+00	5.74E-01	2.29E+00	1.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+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

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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-03	1.03E-03	0.00E+00	4.92E-04	2.72E-06	9.51E-06	8.88E-03
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	7.34E-03	1.03E-03	0.00E+00	4.92E-04	2.72E-06	9.51E-06	8.88E-03

*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							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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-01	6.02E-02	0.00E+00	2.88E-02	1.88E-04	5.57E-04	5.19E-01	
Pa-231	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-01	1.15E-02	0.00E+00	8.27E-03	1.15E-02	3.99E-05	1.54E-01	
Pb-210	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-03	1.31E-02	0.00E+00	3.15E-04	7.01E-05	9.11E-05	1.83E-02	
Ra-226	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	5.75E-04	0.00E+00	8.34E-05	2.30E-05	7.99E-05	1.99E-03	
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	5.58E-01	8.54E-02	0.00E+00	3.75E-02	1.18E-02	7.68E-04	6.93E-01	

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	DROOT	UNIFORM	.3	4		
2	H(1)	BOUNDED LOGNORMAL-N	.693	.25	1	4
3	RUNOFF	UNIFORM	.1	.8		
4	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
5	DWIBWT	TRIANGULAR	6	10	30	
6	SHF1	BOUNDED LOGNORMAL-N	-1.3	.59	.044	1
7	INHALR	TRIANGULAR	4380	8400	13100	
8	SOIL	TRIANGULAR	0	18.3	36.5	
9	H(2)	BOUNDED LOGNORMAL-N	1.386	.6	2	17
10	DCACTC (6)	LOGNORMAL-N	9.07	.53		
11	DCACTU1 (6)	LOGNORMAL-N	8.1	.03		
12	DCACTU2 (6)	LOGNORMAL-N	4.84	1		
13	DCACTS (6)	LOGNORMAL-N	4.84	1		
14	DCACTC (7)	LOGNORMAL-N	9.07	.53		
15	DCACTU1 (7)	LOGNORMAL-N	8.1	.03		
16	DCACTU2 (7)	LOGNORMAL-N	4.84	1		
17	DCACTS (7)	LOGNORMAL-N	4.84	1		
18	DCACTC (8)	LOGNORMAL-N	9.07	.53		
19	DCACTU1 (8)	LOGNORMAL-N	8.1	.03		
20	DCACTU2 (8)	LOGNORMAL-N	4.84	1		
21	DCACTS (8)	LOGNORMAL-N	4.84	1		
22	THICK0	TRIANGULAR	0	.075	.3	
23	FR9	TRIANGULAR	0	.39	1	
24	DM	TRIANGULAR	0	.15	.6	
25	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
26	FIND	CONTINUOUS LINEAR	8	0	0	
				.05	.375	
				.25	.521	
				.5	.625	
				.75	.809	
				.9	.938	
				.95	.992	
				1	1	

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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
U-234											
Min	0.00E+00	5.26E-01	5.26E-01	4.78E-01	3.82E-01	5.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.64E+01	2.64E+01	2.63E+01	2.61E+01	2.53E+01	2.29E+01	1.53E+01	0.00E+00	8.67E-02	
Avg	0.00E+00	7.57E+00	7.57E+00	7.52E+00	7.41E+00	7.03E+00	5.95E+00	2.63E+00	0.00E+00	4.81E-03	
Std	0.00E+00	4.50E+00	4.50E+00	4.50E+00	4.49E+00	4.48E+00	4.41E+00	3.57E+00	0.00E+00	1.05E-02	
U-235											
Min	0.00E+00	1.21E+00	1.21E+00	1.12E+00	9.46E-01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.57E+01	1.37E+01	1.37E+01	1.36E+01	1.36E+01	1.35E+01	1.31E+01	1.21E+01	1.35E-01	2.56E+00	
Avg	5.85E-02	5.90E+00	5.90E+00	5.88E+00	5.83E+00	5.65E+00	5.04E+00	2.51E+00	4.60E-03	2.77E-01	
Std	9.12E-01	2.21E+00	2.21E+00	2.22E+00	2.23E+00	2.28E+00	2.51E+00	2.74E+00	1.62E-02	3.61E-01	
U-238											
Min	0.00E+00	1.03E+00	1.03E+00	9.59E-01	8.06E-01	1.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	1.34E+01	1.34E+01	1.33E+01	1.33E+01	1.30E+01	1.21E+01	9.87E+00	0.00E+00	6.11E-06	
Avg	0.00E+00	5.55E+00	5.55E+00	5.52E+00	5.47E+00	5.25E+00	4.59E+00	2.19E+00	0.00E+00	2.51E-07	
Std	0.00E+00	2.18E+00	2.18E+00	2.18E+00	2.19E+00	2.24E+00	2.40E+00	2.42E+00	0.00E+00	6.07E-07	
äALL											
Min	0.00E+00	3.13E+00	3.13E+00	2.89E+00	2.40E+00	3.09E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	0.00E+00	4.77E+01	4.77E+01	4.75E+01	4.72E+01	4.59E+01	4.22E+01	3.37E+01	1.35E-01	2.56E+00	
Avg	0.00E+00	1.90E+01	1.90E+01	1.89E+01	1.87E+01	1.79E+01	1.56E+01	7.34E+00	4.60E-03	2.82E-01	
Std	0.00E+00	7.95E+00	7.95E+00	7.97E+00	8.01E+00	8.16E+00	8.62E+00	8.36E+00	1.62E-02	3.66E-01	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	

äALL is total dose summed for all nuclides.

Monte Carlo Risk Summary									
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
RISK(j,t)									

U-234	Min	2.43E-06	2.21E-06	1.78E-06	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	1.22E-04	1.22E-04	1.21E-04	1.17E-04	1.06E-04	7.08E-05	0.00E+00	3.80E-07
	Avg	3.44E-05	3.41E-05	3.36E-05	3.19E-05	2.70E-05	1.20E-05	0.00E+00	2.13E-08
	Std	2.05E-05	2.05E-05	2.05E-05	2.04E-05	2.00E-05	1.62E-05	0.00E+00	4.62E-08
U-235	Min	1.31E-05	1.22E-05	1.04E-05	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	1.44E-04	1.44E-04	1.43E-04	1.42E-04	1.39E-04	1.27E-04	1.70E-07	2.77E-06
	Avg	6.11E-05	6.08E-05	6.04E-05	5.85E-05	5.22E-05	2.62E-05	5.77E-09	3.01E-07
	Std	2.31E-05	2.31E-05	2.32E-05	2.37E-05	2.59E-05	2.84E-05	2.04E-08	3.90E-07
U-238	Min	1.38E-05	1.29E-05	1.11E-05	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	1.56E-04	1.56E-04	1.55E-04	1.52E-04	1.46E-04	1.31E-04	0.00E+00	2.65E-11
	Avg	6.73E-05	6.70E-05	6.64E-05	6.40E-05	5.63E-05	2.73E-05	0.00E+00	1.11E-12
	Std	2.58E-05	2.58E-05	2.59E-05	2.65E-05	2.86E-05	2.98E-05	0.00E+00	2.66E-12
äALL	Min	3.11E-05	2.90E-05	2.45E-05	4.97E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	3.84E-04	3.83E-04	3.81E-04	3.74E-04	3.51E-04	2.91E-04	1.70E-07	2.78E-06
	Avg	1.63E-04	1.62E-04	1.60E-04	1.54E-04	1.36E-04	6.55E-05	5.77E-09	3.22E-07
	Std	6.18E-05	6.19E-05	6.23E-05	6.38E-05	6.91E-05	7.18E-05	2.04E-08	4.14E-07
=====									

äALL is total risk summed for all nuclides.

0 Nuclide (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
Monte Carlo Dose vs Pathway(i): Ground External									
DOSE(i,j,t), mrem/yr									
U-234	Min	2.08E-02	2.01E-02	1.85E-02	7.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	1.35E-01	1.34E-01	1.34E-01	1.33E-01	1.32E-01	1.56E-01	0.00E+00	0.00E+00
	Avg	5.77E-02	5.76E-02	5.73E-02	5.63E-02	5.29E-02	3.30E-02	0.00E+00	0.00E+00
	Std	2.06E-02	2.06E-02	2.07E-02	2.10E-02	2.39E-02	3.42E-02	0.00E+00	0.00E+00
U-235	Min	1.16E+00	1.08E+00	9.13E-01	1.28E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	1.32E+01	1.32E+01	1.32E+01	1.31E+01	1.28E+01	1.16E+01	0.00E+00	0.00E+00
	Avg	5.51E+00	5.49E+00	5.45E+00	5.28E+00	4.72E+00	2.36E+00	0.00E+00	0.00E+00
	Std	2.11E+00	2.12E+00	2.12E+00	2.17E+00	2.36E+00	2.59E+00	0.00E+00	0.00E+00
U-238	Min	8.36E-01	7.83E-01	6.67E-01	9.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	9.64E+00	9.63E+00	9.60E+00	9.49E+00	9.13E+00	8.28E+00	0.00E+00	0.00E+00
	Avg	3.88E+00	3.86E+00	3.83E+00	3.70E+00	3.28E+00	1.61E+00	0.00E+00	0.00E+00
	Std	1.54E+00	1.54E+00	1.55E+00	1.57E+00	1.69E+00	1.77E+00	0.00E+00	0.00E+00
äALL	Min	2.02E+00	1.88E+00	1.60E+00	2.28E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	2.30E+01	2.30E+01	2.29E+01	2.27E+01	2.20E+01	2.01E+01	0.00E+00	0.00E+00
	Avg	9.45E+00	9.41E+00	9.33E+00	9.04E+00	8.05E+00	4.01E+00	0.00E+00	0.00E+00
	Std	3.67E+00	3.67E+00	3.69E+00	3.76E+00	4.07E+00	4.39E+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	
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U-234									
Min	2.94E-02	2.84E-02	2.40E-02	3.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.84E+00	2.84E+00	2.84E+00	2.83E+00	2.82E+00	2.78E+00	0.00E+00	0.00E+00	0.00E+00
Avg	6.03E-01	5.99E-01	5.91E-01	5.63E-01	4.81E-01	2.18E-01	0.00E+00	0.00E+00	0.00E+00
Std	5.21E-01	5.21E-01	5.19E-01	5.13E-01	4.96E-01	3.97E-01	0.00E+00	0.00E+00	0.00E+00
U-235									
Min	1.51E-03	1.46E-03	1.21E-03	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.45E-01	0.00E+00	0.00E+00	0.00E+00
Avg	3.10E-02	3.08E-02	3.04E-02	2.90E-02	2.49E-02	1.14E-02	0.00E+00	0.00E+00	0.00E+00
Std	2.68E-02	2.67E-02	2.67E-02	2.65E-02	2.57E-02	2.09E-02	0.00E+00	0.00E+00	0.00E+00
U-238									
Min	6.18E-03	5.97E-03	5.11E-03	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.98E-01	5.98E-01	5.97E-01	5.97E-01	5.95E-01	5.88E-01	0.00E+00	0.00E+00	0.00E+00
Avg	1.27E-01	1.26E-01	1.24E-01	1.18E-01	1.01E-01	4.58E-02	0.00E+00	0.00E+00	0.00E+00
Std	1.10E-01	1.10E-01	1.09E-01	1.08E-01	1.04E-01	8.35E-02	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	3.71E-02	3.58E-02	3.03E-02	4.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.58E+00	3.58E+00	3.58E+00	3.58E+00	3.56E+00	3.51E+00	0.00E+00	0.00E+00	0.00E+00
Avg	7.60E-01	7.56E-01	7.46E-01	7.10E-01	6.07E-01	2.75E-01	0.00E+00	0.00E+00	0.00E+00
Std	6.58E-01	6.57E-01	6.55E-01	6.48E-01	6.25E-01	5.02E-01	0.00E+00	0.00E+00	0.00E+00
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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
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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
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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
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U-234									
Min		8.61E-02	7.79E-02	6.18E-02	8.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.77E+01	1.76E+01	1.75E+01	1.69E+01	1.54E+01	9.93E+00	0.00E+00	0.00E+00
Avg		2.36E+00	2.34E+00	2.30E+00	2.16E+00	1.79E+00	7.33E-01	0.00E+00	0.00E+00
Std		2.58E+00	2.57E+00	2.54E+00	2.45E+00	2.20E+00	1.34E+00	0.00E+00	0.00E+00
U-235									
Min		4.47E-03	4.04E-03	3.17E-03	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.22E-01	9.21E-01	9.19E-01	9.10E-01	8.72E-01	6.26E-01	0.00E+00	0.00E+00
Avg		1.23E-01	1.22E-01	1.21E-01	1.16E-01	9.93E-02	4.30E-02	0.00E+00	0.00E+00
Std		1.35E-01	1.34E-01	1.34E-01	1.32E-01	1.23E-01	8.01E-02	0.00E+00	0.00E+00
U-238									
Min		1.93E-02	1.75E-02	1.40E-02	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.96E+00	3.94E+00	3.91E+00	3.78E+00	3.43E+00	2.21E+00	0.00E+00	0.00E+00
Avg		5.27E-01	5.23E-01	5.14E-01	4.84E-01	4.00E-01	1.64E-01	0.00E+00	0.00E+00
Std		5.78E-01	5.75E-01	5.69E-01	5.49E-01	4.93E-01	3.00E-01	0.00E+00	0.00E+00
äALL									
Min		1.10E-01	9.95E-02	7.89E-02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.26E+01	2.25E+01	2.23E+01	2.16E+01	1.97E+01	1.28E+01	0.00E+00	0.00E+00
Avg		3.01E+00	2.98E+00	2.93E+00	2.76E+00	2.29E+00	9.40E-01	0.00E+00	0.00E+00
Std		3.30E+00	3.28E+00	3.25E+00	3.13E+00	2.82E+00	1.72E+00	0.00E+00	0.00E+00
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äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo Dose vs Pathway(i): DOSE(i,j,t), mrem/yr	Meat (Water Ind.)							
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	6.80E-02	6.15E-02	4.88E-02	6.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.52E+00	1.52E+00	1.52E+00	1.50E+00	1.48E+00	1.41E+00	0.00E+00	0.00E+00	
Avg	7.57E-01	7.52E-01	7.42E-01	7.06E-01	6.02E-01	2.72E-01	0.00E+00	0.00E+00	
Std	4.20E-01	4.21E-01	4.23E-01	4.29E-01	4.38E-01	3.80E-01	0.00E+00	0.00E+00	
U-235									
Min	3.55E-03	3.22E-03	2.54E-03	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	7.99E-02	8.12E-02	8.37E-02	9.06E-02	1.05E-01	1.21E-01	0.00E+00	0.00E+00	
Avg	3.96E-02	3.99E-02	4.03E-02	4.12E-02	3.96E-02	2.11E-02	0.00E+00	0.00E+00	
Std	2.20E-02	2.23E-02	2.30E-02	2.51E-02	2.94E-02	3.00E-02	0.00E+00	0.00E+00	
U-238									
Min	1.52E-02	1.38E-02	1.11E-02	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	3.41E-01	3.41E-01	3.40E-01	3.37E-01	3.32E-01	3.17E-01	0.00E+00	0.00E+00	
Avg	1.69E-01	1.68E-01	1.66E-01	1.58E-01	1.35E-01	6.09E-02	0.00E+00	0.00E+00	
Std	9.40E-02	9.42E-02	9.46E-02	9.59E-02	9.80E-02	8.50E-02	0.00E+00	0.00E+00	
äALL									
Min	8.67E-02	7.86E-02	6.24E-02	8.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.95E+00	1.95E+00	1.94E+00	1.93E+00	1.92E+00	1.84E+00	0.00E+00	0.00E+00	
Avg	9.66E-01	9.60E-01	9.48E-01	9.05E-01	7.76E-01	3.54E-01	0.00E+00	0.00E+00	
Std	5.36E-01	5.38E-01	5.40E-01	5.50E-01	5.66E-01	4.95E-01	0.00E+00	0.00E+00	

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo Dose vs Pathway(i): DOSE(i,j,t), mrem/yr	Milk (Water Ind.)							
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	2.76E-01	2.49E-01	1.97E-01	2.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.06E+00	6.06E+00	6.05E+00	6.00E+00	5.92E+00	5.67E+00	0.00E+00	0.00E+00	0.00E+00
Avg	3.06E+00	3.04E+00	3.00E+00	2.86E+00	2.43E+00	1.10E+00	0.00E+00	0.00E+00	0.00E+00
Std	1.71E+00	1.71E+00	1.72E+00	1.74E+00	1.78E+00	1.54E+00	0.00E+00	0.00E+00	0.00E+00
U-235									
Min	1.43E-02	1.29E-02	1.01E-02	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.15E-01	3.15E-01	3.15E-01	3.12E-01	3.07E-01	2.92E-01	0.00E+00	0.00E+00	0.00E+00
Avg	1.59E-01	1.58E-01	1.56E-01	1.49E-01	1.27E-01	5.74E-02	0.00E+00	0.00E+00	0.00E+00
Std	8.88E-02	8.90E-02	8.94E-02	9.06E-02	9.26E-02	8.04E-02	0.00E+00	0.00E+00	0.00E+00
U-238									
Min	6.18E-02	5.61E-02	4.48E-02	6.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.36E+00	1.36E+00	1.35E+00	1.34E+00	1.33E+00	1.28E+00	0.00E+00	0.00E+00	0.00E+00
Avg	6.85E-01	6.81E-01	6.72E-01	6.39E-01	5.45E-01	2.47E-01	0.00E+00	0.00E+00	0.00E+00
Std	3.82E-01	3.83E-01	3.84E-01	3.90E-01	3.98E-01	3.46E-01	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	3.52E-01	3.18E-01	2.52E-01	3.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.74E+00	7.73E+00	7.72E+00	7.65E+00	7.56E+00	7.23E+00	0.00E+00	0.00E+00	0.00E+00
Avg	3.91E+00	3.88E+00	3.83E+00	3.64E+00	3.11E+00	1.41E+00	0.00E+00	0.00E+00	0.00E+00
Std	2.18E+00	2.18E+00	2.19E+00	2.22E+00	2.27E+00	1.97E+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		2.17E-02	2.05E-02	1.81E-02	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.06E+00	4.06E+00	4.06E+00	3.93E+00	3.56E+00	3.50E+00	0.00E+00	0.00E+00
Avg		7.36E-01	7.32E-01	7.22E-01	6.87E-01	5.87E-01	2.72E-01	0.00E+00	0.00E+00
Std		7.61E-01	7.59E-01	7.55E-01	7.41E-01	6.98E-01	5.25E-01	0.00E+00	0.00E+00
U-235									
Min		1.13E-03	1.07E-03	9.57E-04	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.11E-01	2.11E-01	2.12E-01	2.06E-01	1.89E-01	1.89E-01	0.00E+00	0.00E+00
Avg		3.83E-02	3.81E-02	3.77E-02	3.60E-02	3.11E-02	1.47E-02	0.00E+00	0.00E+00
Std		3.96E-02	3.95E-02	3.94E-02	3.89E-02	3.71E-02	2.86E-02	0.00E+00	0.00E+00
U-238									
Min		4.87E-03	4.60E-03	4.08E-03	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.09E-01	9.08E-01	9.08E-01	8.80E-01	7.97E-01	7.83E-01	0.00E+00	0.00E+00
Avg		1.65E-01	1.64E-01	1.61E-01	1.54E-01	1.31E-01	6.07E-02	0.00E+00	0.00E+00
Std		1.70E-01	1.70E-01	1.69E-01	1.66E-01	1.56E-01	1.17E-01	0.00E+00	0.00E+00
äALL									
Min		2.77E-02	2.62E-02	2.31E-02	3.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.18E+00	5.18E+00	5.18E+00	5.02E+00	4.55E+00	4.47E+00	0.00E+00	0.00E+00
Avg		9.39E-01	9.33E-01	9.21E-01	8.77E-01	7.49E-01	3.47E-01	0.00E+00	0.00E+00
Std		9.70E-01	9.68E-01	9.64E-01	9.46E-01	8.91E-01	6.71E-01	0.00E+00	0.00E+00
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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
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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	1.82E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
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	1.07E-01	2.11E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03	2.29E-01
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02	2.99E-01
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	1.28E-06
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-08
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07
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	1.07E-01	2.11E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-03	2.30E-01
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-02	3.00E-01
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

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	6.65E-02
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-03
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-03
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	2.03E-02	2.67E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	2.83E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	4.01E-02
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	4.68E-06
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-07
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-07
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	2.03E-02	2.67E-01
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	3.15E-02
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	4.47E-02
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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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
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
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äALL is total pathway dose summed for all nuclides.

0		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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
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	1.23E-03
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-05
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-04
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	7.19E-03	1.42E-01
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	1.54E-02
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	2.01E-02
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	8.68E-08
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-09
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-08
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	7.19E-03	1.42E-01
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	1.55E-02
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	2.02E-02
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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
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
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	2.87E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-05
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-05
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	9.87E-04	4.44E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06	4.74E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	6.37E-03
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	2.03E-08
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-09
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-09
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	9.87E-04	4.45E-02
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-06	4.76E-03
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.86E-05	6.40E-03
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

0 Nuclide (j)	Monte Carlo Dose vs Pathway(i): DOSE(i,j,t), mrem/yr	Milk (Water Dep.)						
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
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-05
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05
U-235	Min	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	1.39E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	3.23E-04
U-238	Min	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	3.75E-08
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-09
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-09
äALL	Min	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	1.39E-04
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-06
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05

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	6.42E+00	6.26E+00	5.93E+00	4.44E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-09
0.050	7.59E+00	7.48E+00	7.26E+00	5.99E+00	1.04E+00	0.00E+00	0.00E+00	6.36E-08
0.075	8.48E+00	8.40E+00	8.23E+00	7.26E+00	3.43E+00	0.00E+00	0.00E+00	2.41E-06
0.100	9.12E+00	9.03E+00	8.85E+00	7.81E+00	4.41E+00	0.00E+00	0.00E+00	2.19E-05
0.125	9.79E+00	9.67E+00	9.45E+00	8.17E+00	5.08E+00	0.00E+00	0.00E+00	1.30E-04
0.150	1.02E+01	1.02E+01	9.86E+00	8.82E+00	5.90E+00	0.00E+00	0.00E+00	1.11E-03
0.175	1.10E+01	1.09E+01	1.03E+01	9.61E+00	6.98E+00	0.00E+00	0.00E+00	4.03E-03
0.200	1.15E+01	1.14E+01	1.13E+01	1.03E+01	7.72E+00	0.00E+00	0.00E+00	8.85E-03
0.225	1.26E+01	1.25E+01	1.22E+01	1.15E+01	8.38E+00	0.00E+00	0.00E+00	1.07E-02
0.250	1.35E+01	1.34E+01	1.32E+01	1.21E+01	9.50E+00	0.00E+00	0.00E+00	2.12E-02
0.275	1.41E+01	1.40E+01	1.38E+01	1.28E+01	1.01E+01	0.00E+00	0.00E+00	2.39E-02
0.300	1.44E+01	1.43E+01	1.40E+01	1.31E+01	1.08E+01	0.00E+00	0.00E+00	3.36E-02
0.325	1.48E+01	1.46E+01	1.44E+01	1.38E+01	1.13E+01	0.00E+00	0.00E+00	4.02E-02
0.350	1.53E+01	1.51E+01	1.49E+01	1.41E+01	1.22E+01	0.00E+00	0.00E+00	5.08E-02
0.375	1.57E+01	1.56E+01	1.54E+01	1.48E+01	1.25E+01	0.00E+00	0.00E+00	7.82E-02
0.400	1.61E+01	1.60E+01	1.57E+01	1.52E+01	1.30E+01	0.00E+00	1.44E-09	8.24E-02
0.425	1.68E+01	1.67E+01	1.65E+01	1.58E+01	1.35E+01	1.01E+00	1.35E-06	8.83E-02
0.450	1.74E+01	1.73E+01	1.71E+01	1.63E+01	1.41E+01	2.63E+00	3.46E-06	1.06E-01
0.475	1.79E+01	1.78E+01	1.76E+01	1.71E+01	1.47E+01	3.36E+00	6.26E-06	1.19E-01
0.500	1.84E+01	1.83E+01	1.81E+01	1.75E+01	1.56E+01	4.53E+00	1.33E-05	1.39E-01
0.525	1.88E+01	1.88E+01	1.85E+01	1.82E+01	1.59E+01	5.70E+00	2.03E-05	1.63E-01
0.550	1.92E+01	1.91E+01	1.89E+01	1.83E+01	1.62E+01	6.39E+00	2.96E-05	1.84E-01
0.575	1.98E+01	1.97E+01	1.94E+01	1.90E+01	1.68E+01	6.62E+00	5.99E-05	2.05E-01
0.600	2.05E+01	2.04E+01	2.04E+01	1.98E+01	1.74E+01	7.99E+00	1.02E-04	2.21E-01
0.625	2.09E+01	2.09E+01	2.08E+01	2.02E+01	1.81E+01	8.74E+00	1.47E-04	2.45E-01
0.650	2.17E+01	2.16E+01	2.12E+01	2.07E+01	1.88E+01	1.04E+01	2.18E-04	2.69E-01
0.675	2.21E+01	2.20E+01	2.19E+01	2.11E+01	1.95E+01	1.09E+01	3.58E-04	3.11E-01
0.700	2.26E+01	2.25E+01	2.23E+01	2.20E+01	2.00E+01	1.14E+01	5.77E-04	3.32E-01
0.725	2.33E+01	2.32E+01	2.30E+01	2.24E+01	2.06E+01	1.19E+01	8.30E-04	3.72E-01
0.750	2.43E+01	2.42E+01	2.38E+01	2.31E+01	2.16E+01	1.30E+01	1.12E-03	4.07E-01
0.775	2.50E+01	2.49E+01	2.47E+01	2.35E+01	2.18E+01	1.41E+01	1.57E-03	4.60E-01
0.800	2.53E+01	2.53E+01	2.52E+01	2.42E+01	2.21E+01	1.55E+01	2.43E-03	5.00E-01
0.825	2.63E+01	2.61E+01	2.57E+01	2.51E+01	2.31E+01	1.67E+01	3.55E-03	5.87E-01
0.850	2.68E+01	2.67E+01	2.63E+01	2.58E+01	2.45E+01	1.72E+01	4.83E-03	6.19E-01
0.875	2.92E+01	2.91E+01	2.89E+01	2.83E+01	2.60E+01	1.81E+01	5.67E-03	6.98E-01
0.900	3.05E+01	3.04E+01	3.01E+01	2.97E+01	2.80E+01	1.93E+01	9.08E-03	7.74E-01
0.925	3.16E+01	3.15E+01	3.13E+01	3.07E+01	2.92E+01	2.17E+01	1.44E-02	9.00E-01
0.950	3.34E+01	3.33E+01	3.31E+01	3.24E+01	3.06E+01	2.45E+01	2.45E-02	9.84E-01
0.975	3.62E+01	3.62E+01	3.61E+01	3.56E+01	3.27E+01	2.70E+01	5.15E-02	1.27E+00
1.000	4.77E+01	4.75E+01	4.72E+01	4.59E+01	4.22E+01	3.37E+01	1.35E-01	2.56E+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	3.13E+00	4.77E+01	1.92E+01	1.89E+01	3.21E+01	3.36E+01	3.75E+01	4.76E+01
1.00E+00	2.89E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.74E+01	4.74E+01
1.06E+00	2.88E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.74E+01	4.74E+01
1.12E+00	2.86E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.74E+01	4.74E+01
1.19E+00	2.85E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.74E+01	4.74E+01
1.25E+00	2.83E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.74E+01	4.74E+01
1.33E+00	2.81E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.73E+01	4.74E+01
1.40E+00	2.79E+00	4.75E+01	1.91E+01	1.88E+01	3.20E+01	3.36E+01	3.73E+01	4.74E+01
1.49E+00	2.77E+00	4.74E+01	1.91E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.73E+01
1.57E+00	2.75E+00	4.74E+01	1.91E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.73E+01
1.66E+00	2.73E+00	4.74E+01	1.91E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.73E+01
1.76E+00	2.71E+00	4.74E+01	1.91E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.73E+01
1.86E+00	2.68E+00	4.74E+01	1.90E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.73E+01
1.97E+00	2.65E+00	4.73E+01	1.90E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.73E+01
2.09E+00	2.63E+00	4.73E+01	1.90E+01	1.87E+01	3.20E+01	3.36E+01	3.73E+01	4.72E+01
2.21E+00	2.60E+00	4.73E+01	1.90E+01	1.87E+01	3.20E+01	3.36E+01	3.72E+01	4.72E+01
2.34E+00	2.56E+00	4.73E+01	1.90E+01	1.87E+01	3.19E+01	3.36E+01	3.72E+01	4.72E+01
2.47E+00	2.53E+00	4.73E+01	1.90E+01	1.86E+01	3.19E+01	3.35E+01	3.72E+01	4.72E+01
2.62E+00	2.49E+00	4.72E+01	1.90E+01	1.86E+01	3.19E+01	3.35E+01	3.72E+01	4.71E+01
2.77E+00	2.46E+00	4.72E+01	1.89E+01	1.86E+01	3.19E+01	3.35E+01	3.72E+01	4.71E+01
2.93E+00	2.41E+00	4.72E+01	1.89E+01	1.86E+01	3.19E+01	3.35E+01	3.71E+01	4.71E+01
3.00E+00	2.40E+00	4.72E+01	1.89E+01	1.86E+01	3.19E+01	3.35E+01	3.71E+01	4.71E+01
3.10E+00	2.37E+00	4.71E+01	1.89E+01	1.86E+01	3.19E+01	3.35E+01	3.71E+01	4.70E+01
3.28E+00	2.32E+00	4.71E+01	1.89E+01	1.86E+01	3.19E+01	3.35E+01	3.71E+01	4.70E+01
3.48E+00	2.28E+00	4.71E+01	1.89E+01	1.85E+01	3.19E+01	3.35E+01	3.71E+01	4.70E+01
3.68E+00	2.22E+00	4.70E+01	1.88E+01	1.85E+01	3.18E+01	3.35E+01	3.71E+01	4.69E+01
3.89E+00	2.17E+00	4.70E+01	1.88E+01	1.85E+01	3.18E+01	3.35E+01	3.70E+01	4.69E+01
4.12E+00	2.11E+00	4.70E+01	1.88E+01	1.85E+01	3.18E+01	3.35E+01	3.70E+01	4.69E+01
4.36E+00	2.04E+00	4.69E+01	1.88E+01	1.85E+01	3.18E+01	3.35E+01	3.70E+01	4.68E+01
4.61E+00	1.98E+00	4.69E+01	1.87E+01	1.85E+01	3.18E+01	3.35E+01	3.69E+01	4.68E+01
4.88E+00	1.90E+00	4.68E+01	1.87E+01	1.85E+01	3.18E+01	3.35E+01	3.69E+01	4.67E+01
5.17E+00	1.83E+00	4.68E+01	1.87E+01	1.84E+01	3.17E+01	3.35E+01	3.69E+01	4.67E+01
5.47E+00	1.74E+00	4.67E+01	1.87E+01	1.84E+01	3.17E+01	3.34E+01	3.68E+01	4.66E+01
5.78E+00	1.66E+00	4.67E+01	1.86E+01	1.84E+01	3.17E+01	3.34E+01	3.68E+01	4.66E+01
6.12E+00	1.56E+00	4.66E+01	1.86E+01	1.84E+01	3.17E+01	3.34E+01	3.68E+01	4.65E+01
6.48E+00	1.46E+00	4.65E+01	1.85E+01	1.84E+01	3.16E+01	3.34E+01	3.67E+01	4.64E+01
6.86E+00	1.35E+00	4.65E+01	1.85E+01	1.83E+01	3.16E+01	3.34E+01	3.67E+01	4.64E+01
7.26E+00	1.23E+00	4.64E+01	1.85E+01	1.83E+01	3.16E+01	3.34E+01	3.66E+01	4.63E+01
7.68E+00	1.10E+00	4.63E+01	1.84E+01	1.83E+01	3.16E+01	3.34E+01	3.66E+01	4.62E+01
8.13E+00	9.55E-01	4.62E+01	1.84E+01	1.83E+01	3.15E+01	3.34E+01	3.65E+01	4.61E+01
8.60E+00	8.01E-01	4.62E+01	1.83E+01	1.82E+01	3.15E+01	3.33E+01	3.64E+01	4.61E+01
9.10E+00	6.32E-01	4.61E+01	1.83E+01	1.82E+01	3.15E+01	3.33E+01	3.64E+01	4.60E+01
9.63E+00	4.45E-01	4.60E+01	1.82E+01	1.82E+01	3.14E+01	3.33E+01	3.63E+01	4.59E+01
1.00E+01	3.09E-01	4.59E+01	1.82E+01	1.82E+01	3.14E+01	3.33E+01	3.63E+01	4.58E+01
1.02E+01	2.37E-01	4.59E+01	1.81E+01	1.81E+01	3.14E+01	3.33E+01	3.62E+01	4.58E+01
1.08E+01	5.29E-02	4.58E+01	1.81E+01	1.81E+01	3.13E+01	3.33E+01	3.62E+01	4.57E+01

1.14E+01	1.19E-06	4.56E+01	1.80E+01	1.80E+01	3.13E+01	3.32E+01	3.61E+01	4.55E+01
1.21E+01	0.00E+00	4.55E+01	1.79E+01	1.79E+01	3.12E+01	3.32E+01	3.60E+01	4.54E+01
1.28E+01	0.00E+00	4.54E+01	1.78E+01	1.78E+01	3.12E+01	3.32E+01	3.59E+01	4.53E+01
1.35E+01	0.00E+00	4.53E+01	1.78E+01	1.77E+01	3.11E+01	3.32E+01	3.58E+01	4.52E+01
1.43E+01	0.00E+00	4.51E+01	1.77E+01	1.76E+01	3.11E+01	3.31E+01	3.57E+01	4.50E+01
1.51E+01	0.00E+00	4.50E+01	1.76E+01	1.75E+01	3.10E+01	3.31E+01	3.56E+01	4.49E+01
1.60E+01	0.00E+00	4.48E+01	1.75E+01	1.74E+01	3.10E+01	3.31E+01	3.55E+01	4.47E+01
1.70E+01	0.00E+00	4.46E+01	1.74E+01	1.73E+01	3.09E+01	3.30E+01	3.53E+01	4.45E+01
1.80E+01	0.00E+00	4.44E+01	1.73E+01	1.72E+01	3.08E+01	3.30E+01	3.52E+01	4.44E+01
1.90E+01	0.00E+00	4.42E+01	1.71E+01	1.71E+01	3.07E+01	3.30E+01	3.51E+01	4.42E+01
2.01E+01	0.00E+00	4.40E+01	1.70E+01	1.69E+01	3.07E+01	3.29E+01	3.49E+01	4.40E+01
2.13E+01	0.00E+00	4.38E+01	1.69E+01	1.68E+01	3.06E+01	3.29E+01	3.48E+01	4.37E+01
2.25E+01	0.00E+00	4.36E+01	1.67E+01	1.67E+01	3.05E+01	3.29E+01	3.46E+01	4.35E+01
2.38E+01	0.00E+00	4.33E+01	1.65E+01	1.65E+01	3.04E+01	3.28E+01	3.44E+01	4.33E+01
2.52E+01	0.00E+00	4.31E+01	1.64E+01	1.63E+01	3.03E+01	3.28E+01	3.42E+01	4.30E+01
2.67E+01	0.00E+00	4.28E+01	1.62E+01	1.62E+01	3.02E+01	3.27E+01	3.41E+01	4.27E+01
2.82E+01	0.00E+00	4.25E+01	1.60E+01	1.60E+01	3.00E+01	3.27E+01	3.40E+01	4.24E+01
2.99E+01	0.00E+00	4.22E+01	1.58E+01	1.56E+01	2.99E+01	3.24E+01	3.39E+01	4.21E+01
3.00E+01	0.00E+00	4.22E+01	1.58E+01	1.56E+01	2.99E+01	3.24E+01	3.39E+01	4.21E+01
3.16E+01	0.00E+00	4.19E+01	1.56E+01	1.54E+01	2.98E+01	3.21E+01	3.38E+01	4.18E+01
3.35E+01	0.00E+00	4.15E+01	1.54E+01	1.51E+01	2.97E+01	3.17E+01	3.37E+01	4.15E+01
3.54E+01	0.00E+00	4.12E+01	1.51E+01	1.47E+01	2.95E+01	3.14E+01	3.36E+01	4.11E+01
3.75E+01	0.00E+00	4.08E+01	1.49E+01	1.41E+01	2.94E+01	3.10E+01	3.34E+01	4.07E+01
3.97E+01	0.00E+00	4.03E+01	1.46E+01	1.36E+01	2.92E+01	3.09E+01	3.33E+01	4.03E+01
4.20E+01	0.00E+00	3.99E+01	1.43E+01	1.33E+01	2.90E+01	3.08E+01	3.32E+01	3.98E+01
4.44E+01	0.00E+00	3.94E+01	1.40E+01	1.30E+01	2.89E+01	3.07E+01	3.30E+01	3.94E+01
4.70E+01	0.00E+00	3.89E+01	1.37E+01	1.27E+01	2.86E+01	3.06E+01	3.28E+01	3.89E+01
4.97E+01	0.00E+00	3.84E+01	1.33E+01	1.23E+01	2.83E+01	3.05E+01	3.27E+01	3.83E+01
5.26E+01	0.00E+00	3.78E+01	1.30E+01	1.18E+01	2.79E+01	3.04E+01	3.25E+01	3.77E+01
5.57E+01	0.00E+00	3.72E+01	1.26E+01	1.14E+01	2.73E+01	3.01E+01	3.23E+01	3.71E+01
5.90E+01	0.00E+00	3.65E+01	1.22E+01	1.10E+01	2.66E+01	2.97E+01	3.21E+01	3.65E+01
6.24E+01	0.00E+00	3.58E+01	1.17E+01	1.05E+01	2.63E+01	2.93E+01	3.19E+01	3.58E+01
6.60E+01	0.00E+00	3.51E+01	1.13E+01	1.01E+01	2.60E+01	2.89E+01	3.16E+01	3.50E+01
6.99E+01	0.00E+00	3.43E+01	1.08E+01	9.74E+00	2.56E+01	2.87E+01	3.14E+01	3.42E+01
7.39E+01	0.00E+00	3.34E+01	1.04E+01	9.35E+00	2.52E+01	2.84E+01	3.11E+01	3.34E+01
7.82E+01	0.00E+00	3.25E+01	9.86E+00	8.27E+00	2.47E+01	2.81E+01	3.08E+01	3.24E+01
8.28E+01	0.00E+00	3.15E+01	9.37E+00	7.35E+00	2.41E+01	2.78E+01	3.05E+01	3.14E+01
8.76E+01	0.00E+00	3.04E+01	8.85E+00	6.64E+00	2.32E+01	2.75E+01	3.01E+01	3.04E+01
9.27E+01	0.00E+00	2.99E+01	8.30E+00	5.86E+00	2.24E+01	2.71E+01	2.94E+01	2.99E+01
9.81E+01	0.00E+00	2.94E+01	7.74E+00	4.98E+00	2.15E+01	2.68E+01	2.85E+01	2.94E+01
1.00E+02	0.00E+00	2.93E+01	7.55E+00	4.50E+00	2.12E+01	2.66E+01	2.83E+01	2.93E+01
1.04E+02	0.00E+00	2.89E+01	7.19E+00	3.41E+00	2.06E+01	2.61E+01	2.76E+01	2.89E+01
1.10E+02	0.00E+00	2.85E+01	6.61E+00	1.68E+00	1.83E+01	2.49E+01	2.71E+01	2.85E+01
1.16E+02	0.00E+00	2.81E+01	6.02E+00	7.05E-03	1.77E+01	2.35E+01	2.66E+01	2.81E+01
1.23E+02	0.00E+00	2.76E+01	5.44E+00	0.00E+00	1.68E+01	2.28E+01	2.59E+01	2.76E+01
1.30E+02	0.00E+00	2.68E+01	4.86E+00	0.00E+00	1.54E+01	2.22E+01	2.52E+01	2.68E+01
1.38E+02	0.00E+00	2.55E+01	4.31E+00	0.00E+00	1.44E+01	2.15E+01	2.40E+01	2.55E+01
1.46E+02	0.00E+00	2.46E+01	3.77E+00	0.00E+00	1.34E+01	2.05E+01	2.23E+01	2.45E+01
1.54E+02	0.00E+00	2.35E+01	3.22E+00	0.00E+00	1.21E+01	1.87E+01	2.10E+01	2.35E+01
1.63E+02	0.00E+00	2.23E+01	2.70E+00	0.00E+00	1.11E+01	1.77E+01	1.96E+01	2.23E+01
1.73E+02	0.00E+00	2.09E+01	2.21E+00	0.00E+00	1.00E+01	1.66E+01	1.81E+01	2.09E+01

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	3.30E+00	4.40E+01	1.90E+01	1.79E+01	3.04E+01	3.43E+01	3.79E+01	4.40E+01
1.00E+00	3.06E+00	4.39E+01	1.89E+01	1.78E+01	3.03E+01	3.43E+01	3.78E+01	4.39E+01
1.06E+00	3.04E+00	4.39E+01	1.89E+01	1.78E+01	3.03E+01	3.43E+01	3.78E+01	4.38E+01
1.12E+00	3.03E+00	4.39E+01	1.89E+01	1.77E+01	3.03E+01	3.43E+01	3.78E+01	4.38E+01
1.19E+00	3.01E+00	4.39E+01	1.89E+01	1.77E+01	3.02E+01	3.43E+01	3.78E+01	4.38E+01
1.25E+00	3.00E+00	4.39E+01	1.89E+01	1.77E+01	3.02E+01	3.43E+01	3.77E+01	4.38E+01
1.33E+00	2.98E+00	4.39E+01	1.89E+01	1.77E+01	3.02E+01	3.43E+01	3.77E+01	4.38E+01
1.40E+00	2.96E+00	4.38E+01	1.89E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.38E+01
1.49E+00	2.94E+00	4.38E+01	1.89E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.38E+01
1.57E+00	2.92E+00	4.38E+01	1.88E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.38E+01
1.66E+00	2.89E+00	4.38E+01	1.88E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.38E+01
1.76E+00	2.87E+00	4.38E+01	1.88E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.37E+01
1.86E+00	2.84E+00	4.38E+01	1.88E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.37E+01
1.97E+00	2.82E+00	4.38E+01	1.88E+01	1.77E+01	3.02E+01	3.42E+01	3.77E+01	4.37E+01
2.09E+00	2.79E+00	4.37E+01	1.88E+01	1.76E+01	3.01E+01	3.42E+01	3.77E+01	4.37E+01
2.21E+00	2.76E+00	4.37E+01	1.88E+01	1.76E+01	3.01E+01	3.42E+01	3.77E+01	4.37E+01
2.34E+00	2.73E+00	4.37E+01	1.88E+01	1.76E+01	3.01E+01	3.42E+01	3.77E+01	4.37E+01
2.47E+00	2.69E+00	4.37E+01	1.88E+01	1.76E+01	3.01E+01	3.42E+01	3.76E+01	4.36E+01
2.62E+00	2.65E+00	4.37E+01	1.87E+01	1.76E+01	3.01E+01	3.42E+01	3.76E+01	4.36E+01
2.77E+00	2.62E+00	4.36E+01	1.87E+01	1.76E+01	3.01E+01	3.41E+01	3.76E+01	4.36E+01
2.93E+00	2.57E+00	4.36E+01	1.87E+01	1.76E+01	3.00E+01	3.41E+01	3.76E+01	4.36E+01
3.00E+00	2.56E+00	4.36E+01	1.87E+01	1.76E+01	3.00E+01	3.41E+01	3.76E+01	4.36E+01
3.10E+00	2.53E+00	4.36E+01	1.87E+01	1.75E+01	3.00E+01	3.41E+01	3.76E+01	4.35E+01
3.28E+00	2.48E+00	4.36E+01	1.87E+01	1.75E+01	3.00E+01	3.41E+01	3.76E+01	4.35E+01
3.48E+00	2.43E+00	4.35E+01	1.86E+01	1.75E+01	3.00E+01	3.41E+01	3.76E+01	4.35E+01
3.68E+00	2.38E+00	4.35E+01	1.86E+01	1.75E+01	2.99E+01	3.41E+01	3.75E+01	4.35E+01
3.89E+00	2.32E+00	4.35E+01	1.86E+01	1.75E+01	2.99E+01	3.41E+01	3.75E+01	4.34E+01
4.12E+00	2.26E+00	4.34E+01	1.86E+01	1.74E+01	2.99E+01	3.41E+01	3.75E+01	4.34E+01
4.36E+00	2.20E+00	4.34E+01	1.86E+01	1.74E+01	2.99E+01	3.40E+01	3.75E+01	4.34E+01
4.61E+00	2.13E+00	4.34E+01	1.85E+01	1.74E+01	2.98E+01	3.40E+01	3.75E+01	4.33E+01
4.88E+00	2.06E+00	4.33E+01	1.85E+01	1.74E+01	2.98E+01	3.40E+01	3.74E+01	4.33E+01
5.17E+00	1.98E+00	4.33E+01	1.85E+01	1.73E+01	2.98E+01	3.40E+01	3.74E+01	4.32E+01
5.47E+00	1.90E+00	4.32E+01	1.84E+01	1.73E+01	2.97E+01	3.40E+01	3.74E+01	4.32E+01
5.78E+00	1.81E+00	4.32E+01	1.84E+01	1.73E+01	2.97E+01	3.39E+01	3.73E+01	4.31E+01
6.12E+00	1.71E+00	4.31E+01	1.84E+01	1.72E+01	2.97E+01	3.39E+01	3.73E+01	4.31E+01
6.48E+00	1.61E+00	4.31E+01	1.83E+01	1.72E+01	2.96E+01	3.39E+01	3.72E+01	4.30E+01
6.86E+00	1.50E+00	4.30E+01	1.83E+01	1.72E+01	2.96E+01	3.39E+01	3.72E+01	4.30E+01
7.26E+00	1.38E+00	4.30E+01	1.82E+01	1.71E+01	2.95E+01	3.38E+01	3.72E+01	4.29E+01
7.68E+00	1.25E+00	4.29E+01	1.82E+01	1.71E+01	2.95E+01	3.38E+01	3.71E+01	4.29E+01
8.13E+00	1.10E+00	4.28E+01	1.81E+01	1.71E+01	2.94E+01	3.38E+01	3.70E+01	4.28E+01
8.60E+00	9.49E-01	4.28E+01	1.81E+01	1.70E+01	2.94E+01	3.37E+01	3.69E+01	4.27E+01
9.10E+00	7.79E-01	4.27E+01	1.80E+01	1.70E+01	2.93E+01	3.37E+01	3.68E+01	4.26E+01
9.63E+00	5.91E-01	4.26E+01	1.80E+01	1.69E+01	2.92E+01	3.37E+01	3.67E+01	4.26E+01
1.00E+01	4.54E-01	4.26E+01	1.79E+01	1.69E+01	2.92E+01	3.36E+01	3.66E+01	4.25E+01
1.02E+01	3.82E-01	4.25E+01	1.79E+01	1.69E+01	2.92E+01	3.36E+01	3.66E+01	4.25E+01
1.08E+01	1.51E-01	4.24E+01	1.78E+01	1.68E+01	2.91E+01	3.36E+01	3.65E+01	4.24E+01

1.14E+01	1.10E-02	4.23E+01	1.78E+01	1.68E+01	2.90E+01	3.35E+01	3.64E+01	4.23E+01
1.21E+01	0.00E+00	4.22E+01	1.77E+01	1.67E+01	2.89E+01	3.35E+01	3.62E+01	4.22E+01
1.28E+01	0.00E+00	4.21E+01	1.76E+01	1.67E+01	2.88E+01	3.34E+01	3.61E+01	4.21E+01
1.35E+01	0.00E+00	4.20E+01	1.75E+01	1.66E+01	2.87E+01	3.33E+01	3.59E+01	4.20E+01
1.43E+01	0.00E+00	4.19E+01	1.74E+01	1.65E+01	2.86E+01	3.31E+01	3.58E+01	4.19E+01
1.51E+01	0.00E+00	4.18E+01	1.73E+01	1.65E+01	2.85E+01	3.30E+01	3.56E+01	4.17E+01
1.60E+01	0.00E+00	4.16E+01	1.72E+01	1.64E+01	2.85E+01	3.28E+01	3.54E+01	4.16E+01
1.70E+01	0.00E+00	4.15E+01	1.71E+01	1.63E+01	2.84E+01	3.26E+01	3.52E+01	4.15E+01
1.80E+01	0.00E+00	4.14E+01	1.70E+01	1.62E+01	2.83E+01	3.25E+01	3.50E+01	4.13E+01
1.90E+01	0.00E+00	4.12E+01	1.69E+01	1.61E+01	2.82E+01	3.23E+01	3.48E+01	4.11E+01
2.01E+01	0.00E+00	4.10E+01	1.67E+01	1.60E+01	2.82E+01	3.21E+01	3.46E+01	4.10E+01
2.13E+01	0.00E+00	4.09E+01	1.66E+01	1.59E+01	2.81E+01	3.19E+01	3.44E+01	4.08E+01
2.25E+01	0.00E+00	4.07E+01	1.65E+01	1.58E+01	2.80E+01	3.16E+01	3.41E+01	4.06E+01
2.38E+01	0.00E+00	4.05E+01	1.63E+01	1.57E+01	2.79E+01	3.14E+01	3.38E+01	4.04E+01
2.52E+01	0.00E+00	4.03E+01	1.61E+01	1.56E+01	2.78E+01	3.11E+01	3.35E+01	4.02E+01
2.67E+01	0.00E+00	4.00E+01	1.60E+01	1.55E+01	2.75E+01	3.09E+01	3.32E+01	4.00E+01
2.82E+01	0.00E+00	3.98E+01	1.58E+01	1.52E+01	2.72E+01	3.07E+01	3.29E+01	3.97E+01
2.99E+01	0.00E+00	3.96E+01	1.56E+01	1.50E+01	2.68E+01	3.05E+01	3.27E+01	3.95E+01
3.00E+01	0.00E+00	3.95E+01	1.56E+01	1.50E+01	2.68E+01	3.05E+01	3.27E+01	3.95E+01
3.16E+01	0.00E+00	3.93E+01	1.54E+01	1.49E+01	2.67E+01	3.03E+01	3.25E+01	3.92E+01
3.35E+01	0.00E+00	3.90E+01	1.51E+01	1.48E+01	2.67E+01	3.01E+01	3.24E+01	3.89E+01
3.54E+01	0.00E+00	3.87E+01	1.49E+01	1.46E+01	2.66E+01	2.99E+01	3.22E+01	3.86E+01
3.75E+01	0.00E+00	3.84E+01	1.46E+01	1.44E+01	2.65E+01	2.95E+01	3.20E+01	3.83E+01
3.97E+01	0.00E+00	3.81E+01	1.44E+01	1.41E+01	2.64E+01	2.90E+01	3.18E+01	3.80E+01
4.20E+01	0.00E+00	3.77E+01	1.41E+01	1.38E+01	2.61E+01	2.88E+01	3.15E+01	3.76E+01
4.44E+01	0.00E+00	3.73E+01	1.38E+01	1.34E+01	2.58E+01	2.86E+01	3.13E+01	3.73E+01
4.70E+01	0.00E+00	3.69E+01	1.34E+01	1.28E+01	2.55E+01	2.84E+01	3.11E+01	3.69E+01
4.97E+01	0.00E+00	3.65E+01	1.31E+01	1.22E+01	2.52E+01	2.82E+01	3.08E+01	3.65E+01
5.26E+01	0.00E+00	3.61E+01	1.27E+01	1.19E+01	2.46E+01	2.79E+01	3.05E+01	3.60E+01
5.57E+01	0.00E+00	3.56E+01	1.23E+01	1.15E+01	2.43E+01	2.77E+01	3.02E+01	3.55E+01
5.90E+01	0.00E+00	3.51E+01	1.19E+01	1.10E+01	2.39E+01	2.74E+01	2.99E+01	3.50E+01
6.24E+01	0.00E+00	3.45E+01	1.15E+01	1.07E+01	2.34E+01	2.70E+01	2.95E+01	3.45E+01
6.60E+01	0.00E+00	3.40E+01	1.10E+01	1.03E+01	2.28E+01	2.66E+01	2.92E+01	3.39E+01
6.99E+01	0.00E+00	3.34E+01	1.06E+01	9.90E+00	2.20E+01	2.62E+01	2.88E+01	3.33E+01
7.39E+01	0.00E+00	3.27E+01	1.01E+01	9.41E+00	2.15E+01	2.57E+01	2.84E+01	3.27E+01
7.82E+01	0.00E+00	3.20E+01	9.54E+00	8.62E+00	2.12E+01	2.56E+01	2.79E+01	3.20E+01
8.28E+01	0.00E+00	3.13E+01	9.02E+00	7.50E+00	2.04E+01	2.54E+01	2.75E+01	3.13E+01
8.76E+01	0.00E+00	3.05E+01	8.50E+00	6.40E+00	1.98E+01	2.53E+01	2.70E+01	3.05E+01
9.27E+01	0.00E+00	2.97E+01	7.97E+00	5.40E+00	1.91E+01	2.49E+01	2.64E+01	2.97E+01
9.81E+01	0.00E+00	2.88E+01	7.44E+00	4.30E+00	1.85E+01	2.45E+01	2.60E+01	2.88E+01
1.00E+02	0.00E+00	2.85E+01	7.25E+00	3.96E+00	1.84E+01	2.43E+01	2.59E+01	2.85E+01
1.04E+02	0.00E+00	2.79E+01	6.91E+00	3.09E+00	1.81E+01	2.39E+01	2.57E+01	2.79E+01
1.10E+02	0.00E+00	2.69E+01	6.37E+00	1.52E+00	1.77E+01	2.31E+01	2.54E+01	2.69E+01
1.16E+02	0.00E+00	2.58E+01	5.87E+00	1.65E-02	1.71E+01	2.23E+01	2.51E+01	2.58E+01
1.23E+02	0.00E+00	2.52E+01	5.34E+00	0.00E+00	1.65E+01	2.14E+01	2.44E+01	2.52E+01
1.30E+02	0.00E+00	2.46E+01	4.82E+00	0.00E+00	1.59E+01	2.05E+01	2.37E+01	2.46E+01
1.38E+02	0.00E+00	2.40E+01	4.28E+00	0.00E+00	1.53E+01	1.94E+01	2.28E+01	2.40E+01
1.46E+02	0.00E+00	2.33E+01	3.70E+00	0.00E+00	1.41E+01	1.83E+01	2.19E+01	2.33E+01
1.54E+02	0.00E+00	2.25E+01	3.13E+00	0.00E+00	1.24E+01	1.71E+01	2.08E+01	2.25E+01
1.63E+02	0.00E+00	2.17E+01	2.59E+00	0.00E+00	1.04E+01	1.58E+01	1.97E+01	2.17E+01
1.73E+02	0.00E+00	2.08E+01	2.11E+00	0.00E+00	8.79E+00	1.45E+01	1.85E+01	2.08E+01
1.83E+02	0.00E+00	1.98E+01	1.67E+00	0.00E+00	6.96E+00	1.30E+01	1.71E+01	1.98E+01

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	3.82E+00	4.15E+01	1.88E+01	1.81E+01	2.98E+01	3.16E+01	3.54E+01	4.14E+01
1.00E+00	3.51E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.15E+01	3.53E+01	4.13E+01
1.06E+00	3.50E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.15E+01	3.53E+01	4.13E+01
1.12E+00	3.48E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.15E+01	3.53E+01	4.13E+01
1.19E+00	3.46E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.15E+01	3.53E+01	4.13E+01
1.25E+00	3.43E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.14E+01	3.53E+01	4.12E+01
1.33E+00	3.41E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.14E+01	3.53E+01	4.12E+01
1.40E+00	3.39E+00	4.13E+01	1.87E+01	1.79E+01	2.97E+01	3.14E+01	3.53E+01	4.12E+01
1.49E+00	3.36E+00	4.13E+01	1.87E+01	1.79E+01	2.96E+01	3.14E+01	3.53E+01	4.12E+01
1.57E+00	3.34E+00	4.13E+01	1.87E+01	1.79E+01	2.96E+01	3.14E+01	3.53E+01	4.12E+01
1.66E+00	3.31E+00	4.12E+01	1.87E+01	1.79E+01	2.96E+01	3.14E+01	3.53E+01	4.12E+01
1.76E+00	3.28E+00	4.12E+01	1.86E+01	1.79E+01	2.96E+01	3.14E+01	3.53E+01	4.12E+01
1.86E+00	3.25E+00	4.12E+01	1.86E+01	1.79E+01	2.96E+01	3.14E+01	3.52E+01	4.12E+01
1.97E+00	3.21E+00	4.12E+01	1.86E+01	1.79E+01	2.96E+01	3.14E+01	3.52E+01	4.12E+01
2.09E+00	3.18E+00	4.12E+01	1.86E+01	1.78E+01	2.96E+01	3.14E+01	3.52E+01	4.11E+01
2.21E+00	3.14E+00	4.12E+01	1.86E+01	1.78E+01	2.96E+01	3.14E+01	3.52E+01	4.11E+01
2.34E+00	3.10E+00	4.12E+01	1.86E+01	1.78E+01	2.95E+01	3.13E+01	3.52E+01	4.11E+01
2.47E+00	3.06E+00	4.11E+01	1.86E+01	1.78E+01	2.95E+01	3.13E+01	3.52E+01	4.11E+01
2.62E+00	3.01E+00	4.11E+01	1.86E+01	1.78E+01	2.95E+01	3.13E+01	3.52E+01	4.11E+01
2.77E+00	2.96E+00	4.11E+01	1.85E+01	1.78E+01	2.95E+01	3.13E+01	3.52E+01	4.10E+01
2.93E+00	2.91E+00	4.11E+01	1.85E+01	1.78E+01	2.95E+01	3.13E+01	3.51E+01	4.10E+01
3.00E+00	2.89E+00	4.11E+01	1.85E+01	1.78E+01	2.95E+01	3.13E+01	3.51E+01	4.10E+01
3.10E+00	2.86E+00	4.11E+01	1.85E+01	1.78E+01	2.94E+01	3.13E+01	3.51E+01	4.10E+01
3.28E+00	2.80E+00	4.10E+01	1.85E+01	1.78E+01	2.94E+01	3.13E+01	3.51E+01	4.10E+01
3.48E+00	2.74E+00	4.10E+01	1.85E+01	1.78E+01	2.94E+01	3.12E+01	3.51E+01	4.10E+01
3.68E+00	2.68E+00	4.10E+01	1.84E+01	1.78E+01	2.94E+01	3.12E+01	3.51E+01	4.09E+01
3.89E+00	2.61E+00	4.09E+01	1.84E+01	1.77E+01	2.93E+01	3.12E+01	3.50E+01	4.09E+01
4.12E+00	2.53E+00	4.09E+01	1.84E+01	1.77E+01	2.93E+01	3.12E+01	3.50E+01	4.09E+01
4.36E+00	2.46E+00	4.09E+01	1.84E+01	1.77E+01	2.93E+01	3.12E+01	3.50E+01	4.08E+01
4.61E+00	2.38E+00	4.09E+01	1.83E+01	1.77E+01	2.93E+01	3.11E+01	3.50E+01	4.08E+01
4.88E+00	2.29E+00	4.08E+01	1.83E+01	1.77E+01	2.92E+01	3.11E+01	3.49E+01	4.08E+01
5.17E+00	2.19E+00	4.08E+01	1.83E+01	1.77E+01	2.92E+01	3.11E+01	3.49E+01	4.07E+01
5.47E+00	2.10E+00	4.07E+01	1.82E+01	1.77E+01	2.92E+01	3.11E+01	3.49E+01	4.07E+01
5.78E+00	1.99E+00	4.07E+01	1.82E+01	1.76E+01	2.91E+01	3.10E+01	3.48E+01	4.07E+01
6.12E+00	1.88E+00	4.07E+01	1.82E+01	1.76E+01	2.91E+01	3.10E+01	3.48E+01	4.06E+01
6.48E+00	1.75E+00	4.06E+01	1.81E+01	1.76E+01	2.90E+01	3.10E+01	3.48E+01	4.06E+01
6.86E+00	1.62E+00	4.06E+01	1.81E+01	1.76E+01	2.90E+01	3.09E+01	3.47E+01	4.05E+01
7.26E+00	1.49E+00	4.05E+01	1.80E+01	1.76E+01	2.89E+01	3.09E+01	3.47E+01	4.05E+01
7.68E+00	1.34E+00	4.04E+01	1.80E+01	1.75E+01	2.89E+01	3.09E+01	3.46E+01	4.04E+01
8.13E+00	1.17E+00	4.04E+01	1.79E+01	1.75E+01	2.88E+01	3.08E+01	3.46E+01	4.03E+01
8.60E+00	9.98E-01	4.03E+01	1.79E+01	1.75E+01	2.88E+01	3.08E+01	3.45E+01	4.03E+01
9.10E+00	8.08E-01	4.03E+01	1.78E+01	1.74E+01	2.87E+01	3.07E+01	3.45E+01	4.02E+01
9.63E+00	6.00E-01	4.02E+01	1.78E+01	1.73E+01	2.87E+01	3.07E+01	3.44E+01	4.01E+01
1.00E+01	4.51E-01	4.01E+01	1.77E+01	1.73E+01	2.86E+01	3.07E+01	3.44E+01	4.01E+01
1.02E+01	3.72E-01	4.01E+01	1.77E+01	1.73E+01	2.86E+01	3.06E+01	3.44E+01	4.01E+01
1.08E+01	1.31E-01	4.00E+01	1.76E+01	1.72E+01	2.85E+01	3.06E+01	3.43E+01	4.00E+01

1.14E+01	4.86E-03	3.99E+01	1.76E+01	1.72E+01	2.84E+01	3.05E+01	3.43E+01	3.99E+01
1.21E+01	0.00E+00	3.99E+01	1.75E+01	1.71E+01	2.83E+01	3.05E+01	3.43E+01	3.98E+01
1.28E+01	0.00E+00	3.98E+01	1.74E+01	1.71E+01	2.82E+01	3.04E+01	3.43E+01	3.97E+01
1.35E+01	0.00E+00	3.97E+01	1.73E+01	1.70E+01	2.81E+01	3.03E+01	3.43E+01	3.96E+01
1.43E+01	0.00E+00	3.96E+01	1.72E+01	1.70E+01	2.80E+01	3.03E+01	3.42E+01	3.95E+01
1.51E+01	0.00E+00	3.94E+01	1.71E+01	1.69E+01	2.79E+01	3.02E+01	3.42E+01	3.94E+01
1.60E+01	0.00E+00	3.93E+01	1.70E+01	1.69E+01	2.78E+01	3.02E+01	3.42E+01	3.93E+01
1.70E+01	0.00E+00	3.92E+01	1.69E+01	1.68E+01	2.77E+01	3.02E+01	3.41E+01	3.92E+01
1.80E+01	0.00E+00	3.91E+01	1.68E+01	1.68E+01	2.76E+01	3.01E+01	3.41E+01	3.90E+01
1.90E+01	0.00E+00	3.89E+01	1.67E+01	1.67E+01	2.74E+01	3.01E+01	3.41E+01	3.89E+01
2.01E+01	0.00E+00	3.88E+01	1.66E+01	1.67E+01	2.73E+01	3.01E+01	3.40E+01	3.87E+01
2.13E+01	0.00E+00	3.86E+01	1.64E+01	1.66E+01	2.71E+01	3.00E+01	3.40E+01	3.86E+01
2.25E+01	0.00E+00	3.84E+01	1.63E+01	1.65E+01	2.70E+01	3.00E+01	3.40E+01	3.84E+01
2.38E+01	0.00E+00	3.83E+01	1.61E+01	1.64E+01	2.68E+01	3.00E+01	3.39E+01	3.82E+01
2.52E+01	0.00E+00	3.81E+01	1.59E+01	1.64E+01	2.66E+01	2.99E+01	3.39E+01	3.81E+01
2.67E+01	0.00E+00	3.79E+01	1.58E+01	1.63E+01	2.64E+01	2.97E+01	3.38E+01	3.79E+01
2.82E+01	0.00E+00	3.77E+01	1.56E+01	1.61E+01	2.62E+01	2.94E+01	3.38E+01	3.76E+01
2.99E+01	0.00E+00	3.74E+01	1.54E+01	1.59E+01	2.60E+01	2.93E+01	3.37E+01	3.74E+01
3.00E+01	0.00E+00	3.74E+01	1.54E+01	1.59E+01	2.60E+01	2.93E+01	3.37E+01	3.74E+01
3.16E+01	0.00E+00	3.72E+01	1.52E+01	1.56E+01	2.58E+01	2.93E+01	3.36E+01	3.72E+01
3.35E+01	0.00E+00	3.69E+01	1.49E+01	1.54E+01	2.56E+01	2.92E+01	3.36E+01	3.69E+01
3.54E+01	0.00E+00	3.67E+01	1.47E+01	1.51E+01	2.55E+01	2.92E+01	3.35E+01	3.66E+01
3.75E+01	0.00E+00	3.64E+01	1.45E+01	1.47E+01	2.54E+01	2.91E+01	3.34E+01	3.64E+01
3.97E+01	0.00E+00	3.60E+01	1.42E+01	1.44E+01	2.52E+01	2.91E+01	3.33E+01	3.60E+01
4.20E+01	0.00E+00	3.57E+01	1.39E+01	1.41E+01	2.51E+01	2.90E+01	3.32E+01	3.57E+01
4.44E+01	0.00E+00	3.54E+01	1.36E+01	1.39E+01	2.50E+01	2.90E+01	3.32E+01	3.54E+01
4.70E+01	0.00E+00	3.51E+01	1.33E+01	1.36E+01	2.49E+01	2.88E+01	3.30E+01	3.51E+01
4.97E+01	0.00E+00	3.50E+01	1.30E+01	1.32E+01	2.47E+01	2.86E+01	3.27E+01	3.50E+01
5.26E+01	0.00E+00	3.50E+01	1.26E+01	1.28E+01	2.41E+01	2.83E+01	3.24E+01	3.50E+01
5.57E+01	0.00E+00	3.49E+01	1.22E+01	1.24E+01	2.35E+01	2.80E+01	3.21E+01	3.49E+01
5.90E+01	0.00E+00	3.48E+01	1.18E+01	1.19E+01	2.34E+01	2.77E+01	3.18E+01	3.48E+01
6.24E+01	0.00E+00	3.47E+01	1.14E+01	1.17E+01	2.33E+01	2.74E+01	3.14E+01	3.47E+01
6.60E+01	0.00E+00	3.46E+01	1.10E+01	1.11E+01	2.30E+01	2.73E+01	3.10E+01	3.46E+01
6.99E+01	0.00E+00	3.45E+01	1.05E+01	1.03E+01	2.25E+01	2.72E+01	3.06E+01	3.45E+01
7.39E+01	0.00E+00	3.44E+01	1.00E+01	9.07E+00	2.22E+01	2.70E+01	3.02E+01	3.44E+01
7.82E+01	0.00E+00	3.43E+01	9.50E+00	8.61E+00	2.19E+01	2.69E+01	2.97E+01	3.43E+01
8.28E+01	0.00E+00	3.42E+01	8.98E+00	7.92E+00	2.16E+01	2.67E+01	2.91E+01	3.41E+01
8.76E+01	0.00E+00	3.40E+01	8.45E+00	7.43E+00	2.12E+01	2.65E+01	2.85E+01	3.40E+01
9.27E+01	0.00E+00	3.39E+01	7.91E+00	6.89E+00	2.09E+01	2.63E+01	2.79E+01	3.38E+01
9.81E+01	0.00E+00	3.37E+01	7.38E+00	5.85E+00	2.05E+01	2.61E+01	2.75E+01	3.37E+01
1.00E+02	0.00E+00	3.37E+01	7.20E+00	5.44E+00	2.04E+01	2.60E+01	2.73E+01	3.36E+01
1.04E+02	0.00E+00	3.35E+01	6.84E+00	3.94E+00	2.01E+01	2.55E+01	2.67E+01	3.35E+01
1.10E+02	0.00E+00	3.33E+01	6.30E+00	2.31E+00	1.97E+01	2.41E+01	2.63E+01	3.33E+01
1.16E+02	0.00E+00	3.31E+01	5.75E+00	1.28E-01	1.92E+01	2.21E+01	2.60E+01	3.31E+01
1.23E+02	0.00E+00	3.29E+01	5.22E+00	0.00E+00	1.86E+01	2.11E+01	2.56E+01	3.28E+01
1.30E+02	0.00E+00	3.26E+01	4.70E+00	0.00E+00	1.76E+01	2.00E+01	2.48E+01	3.25E+01
1.38E+02	0.00E+00	3.23E+01	4.19E+00	0.00E+00	1.60E+01	1.82E+01	2.39E+01	3.22E+01
1.46E+02	0.00E+00	3.19E+01	3.69E+00	0.00E+00	1.44E+01	1.77E+01	2.28E+01	3.19E+01
1.54E+02	0.00E+00	3.07E+01	3.21E+00	0.00E+00	1.30E+01	1.74E+01	2.16E+01	3.06E+01
1.63E+02	0.00E+00	2.92E+01	2.70E+00	0.00E+00	1.11E+01	1.63E+01	1.93E+01	2.91E+01
1.73E+02	0.00E+00	2.76E+01	2.24E+00	0.00E+00	9.99E+00	1.51E+01	1.68E+01	2.75E+01

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.924E+01
2	0.000E+00	1.901E+01
3	0.000E+00	1.883E+01

Coefficients for peak of mean dose time Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.66	6	-0.28	3	-0.67	3	-0.28
Thickness of Unsaturated zone 1	21	-0.02	23	-0.01	18	-0.04	22	-0.01
Runoff coefficient	24	-0.01	25	0.00	17	0.04	21	0.01
Wind Speed	10	-0.17	12	-0.05	10	-0.12	13	-0.04
Well pump intake depth	19	-0.05	20	-0.02	23	-0.01	24	0.00
External gamma shielding factor	4	0.52	8	0.20	5	0.45	6	0.17
Inhalation rate	9	0.19	11	0.07	7	0.14	12	0.05
Soil ingestion	15	0.09	18	0.03	11	0.12	14	0.04
Thickness of Unsaturated zone 2	17	-0.07	19	-0.02	13	0.10	16	0.03
Kd of U-234 in Contaminated Zone	16	0.08	10	0.08	25	0.00	25	0.00
Kd of U-234 in Unsaturated Zone 1	6	0.34	1	0.95	9	0.12	5	0.18
Kd of U-234 in Unsaturated Zone 2	18	-0.06	15	-0.05	15	0.05	8	0.09
Kd of U-234 in Saturated Zone	20	-0.03	16	-0.04	21	0.02	17	0.03
Kd of U-235 in Contaminated Zone	26	0.00	26	0.00	20	-0.02	18	-0.03
Kd of U-235 in Unsaturated Zone 1	8	-0.31	4	-0.56	14	-0.08	9	-0.08
Kd of U-235 in Unsaturated Zone 2	23	0.02	22	0.01	16	-0.05	10	-0.06
Kd of U-235 in Saturated Zone	22	-0.02	21	-0.02	19	-0.02	19	-0.02
Kd of U-238 in Contaminated Zone	12	-0.14	9	-0.11	26	0.00	26	0.00
Kd of U-238 in Unsaturated Zone 1	7	-0.32	3	-0.60	8	-0.12	7	-0.13
Kd of U-238 in Unsaturated Zone 2	14	0.10	13	0.05	22	-0.01	20	-0.02
Kd of U-238 in Saturated Zone	25	0.00	24	0.00	24	-0.01	23	-0.01
Thickness of contaminated zone	1	0.89	2	0.66	1	0.92	1	0.73
Aquatic food	13	0.11	17	0.04	12	0.10	15	0.03
Depth of soil mixing layer	5	-0.51	7	-0.20	4	-0.61	4	-0.26
Mass loading for inhalation	11	0.15	14	0.05	6	0.17	11	0.06
Indoor time fraction	2	0.80	5	0.43	2	0.77	2	0.39
R-SQUARE		0.90		0.90		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 of mean dose time Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	3 -0.53	4 -0.26	4 -0.54	12 -0.22
Thickness of Unsaturated zone 1	17 -0.06	22 -0.02	22 -0.08	23 -0.03
Runoff coefficient	21 0.05	23 0.02	8 -0.19	19 -0.07
Wind Speed	15 -0.10	19 -0.04	11 -0.17	20 -0.06
Well pump intake depth	6 0.25	11 0.11	24 0.08	24 0.03
External gamma shielding factor	5 0.38	7 0.18	5 0.41	14 0.15
Inhalation rate	24 0.04	24 0.02	25 -0.05	25 -0.02
Soil ingestion	11 0.14	16 0.06	26 0.04	26 0.01
Thickness of Unsaturated zone 2	13 -0.11	17 -0.05	12 -0.16	21 -0.06
Kd of U-234 in Contaminated Zone	7 -0.24	3 -0.27	20 -0.11	10 -0.22
Kd of U-234 in Unsaturated Zone 1	18 0.05	6 0.19	15 0.14	8 0.26
Kd of U-234 in Unsaturated Zone 2	14 0.10	13 0.10	10 -0.17	3 -0.41
Kd of U-234 in Saturated Zone	26 -0.01	26 -0.01	14 0.15	5 0.33
Kd of U-235 in Contaminated Zone	9 0.17	8 0.12	21 0.10	16 0.13
Kd of U-235 in Unsaturated Zone 1	22 -0.05	12 -0.11	19 -0.12	15 -0.15
Kd of U-235 in Unsaturated Zone 2	16 -0.06	18 -0.05	7 0.21	4 0.34
Kd of U-235 in Saturated Zone	12 0.13	15 0.08	16 -0.14	9 -0.22
Kd of U-238 in Contaminated Zone	10 0.14	9 0.12	23 0.08	18 0.10
Kd of U-238 in Unsaturated Zone 1	20 -0.05	10 -0.11	17 -0.14	13 -0.16
Kd of U-238 in Unsaturated Zone 2	23 -0.05	21 -0.03	9 0.19	7 0.28
Kd of U-238 in Saturated Zone	19 -0.05	20 -0.04	13 -0.15	11 -0.22
Thickness of contaminated zone	1 0.86	1 0.72	1 0.90	1 0.73
Aquatic food	25 -0.02	25 -0.01	18 -0.14	22 -0.05
Depth of soil mixing layer	4 -0.51	5 -0.26	3 -0.66	6 -0.30
Mass loading for inhalation	8 0.19	14 0.08	6 0.28	17 0.10
Indoor time fraction	2 0.68	2 0.40	2 0.78	2 0.43
R-SQUARE	0.83	0.83	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 =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	3 -0.56	3 -0.27	3 -0.62	3 -0.28
Thickness of Unsaturated zone 1	20 -0.05	21 -0.02	10 -0.10	18 -0.04
Runoff coefficient	26 0.00	26 0.00	12 -0.10	19 -0.04
Wind Speed	12 0.11	18 0.05	6 0.16	15 0.06
Well pump intake depth	24 0.03	24 0.01	19 0.08	23 0.03
External gamma shielding factor	5 0.44	6 0.20	5 0.35	7 0.13
Inhalation rate	9 0.12	17 0.05	9 0.11	17 0.04
Soil ingestion	8 0.17	13 0.07	22 -0.04	24 -0.01
Thickness of Unsaturated zone 2	22 0.04	23 0.02	14 0.09	20 0.03
Kd of U-234 in Contaminated Zone	17 -0.07	9 -0.10	24 0.01	22 0.03
Kd of U-234 in Unsaturated Zone 1	10 -0.11	4 -0.25	20 0.06	10 0.11
Kd of U-234 in Unsaturated Zone 2	19 0.05	16 0.05	11 -0.10	5 -0.19
Kd of U-234 in Saturated Zone	6 0.17	8 0.13	23 -0.03	14 -0.06
Kd of U-235 in Contaminated Zone	25 0.01	25 0.01	21 -0.05	13 -0.07
Kd of U-235 in Unsaturated Zone 1	11 0.11	7 0.17	17 -0.08	11 -0.11
Kd of U-235 in Unsaturated Zone 2	23 -0.04	20 -0.03	15 0.09	12 0.11
Kd of U-235 in Saturated Zone	13 0.10	15 0.06	7 0.12	6 0.16
Kd of U-238 in Contaminated Zone	15 0.08	11 0.08	25 -0.01	25 -0.01
Kd of U-238 in Unsaturated Zone 1	18 0.06	12 0.08	16 -0.09	9 -0.12
Kd of U-238 in Unsaturated Zone 2	14 -0.10	14 -0.06	13 0.10	8 0.12
Kd of U-238 in Saturated Zone	7 -0.17	10 -0.10	26 0.00	26 0.00
Thickness of contaminated zone	1 0.87	1 0.71	1 0.90	1 0.74
Aquatic food	16 0.08	19 0.03	8 0.12	16 0.04
Depth of soil mixing layer	4 -0.47	5 -0.21	4 -0.59	4 -0.26
Mass loading for inhalation	21 0.04	22 0.02	18 -0.08	21 -0.03
Indoor time fraction	2 0.72	2 0.41	2 0.75	2 0.40
R-SQUARE	0.85	0.85	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 All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.66	6	-0.28	3	-0.67	3	-0.28
Thickness of Unsaturated zone 1	21	-0.02	23	-0.01	18	-0.04	22	-0.01
Runoff coefficient	24	-0.01	25	0.00	17	0.04	21	0.01
Wind Speed	10	-0.17	12	-0.05	10	-0.12	13	-0.04
Well pump intake depth	19	-0.05	20	-0.02	23	-0.01	24	0.00
External gamma shielding factor	4	0.52	8	0.20	5	0.45	6	0.17
Inhalation rate	9	0.19	11	0.07	7	0.14	12	0.05
Soil ingestion	15	0.09	18	0.03	11	0.12	14	0.04
Thickness of Unsaturated zone 2	17	-0.07	19	-0.02	13	0.10	16	0.03
Kd of U-234 in Contaminated Zone	16	0.08	10	0.08	25	0.00	25	0.00
Kd of U-234 in Unsaturated Zone 1	6	0.34	1	0.95	9	0.12	5	0.18
Kd of U-234 in Unsaturated Zone 2	18	-0.07	15	-0.05	15	0.05	8	0.09
Kd of U-234 in Saturated Zone	20	-0.03	16	-0.04	21	0.02	17	0.03
Kd of U-235 in Contaminated Zone	26	0.00	26	0.00	20	-0.02	18	-0.03
Kd of U-235 in Unsaturated Zone 1	8	-0.31	4	-0.56	14	-0.08	9	-0.08
Kd of U-235 in Unsaturated Zone 2	23	0.02	22	0.01	16	-0.05	10	-0.06
Kd of U-235 in Saturated Zone	22	-0.02	21	-0.02	19	-0.02	19	-0.02
Kd of U-238 in Contaminated Zone	12	-0.14	9	-0.11	26	0.00	26	0.00
Kd of U-238 in Unsaturated Zone 1	7	-0.32	3	-0.60	8	-0.12	7	-0.13
Kd of U-238 in Unsaturated Zone 2	14	0.10	13	0.05	22	-0.01	20	-0.02
Kd of U-238 in Saturated Zone	25	-0.01	24	0.00	24	-0.01	23	-0.01
Thickness of contaminated zone	1	0.89	2	0.66	1	0.92	1	0.73
Aquatic food	13	0.11	17	0.04	12	0.10	15	0.03
Depth of soil mixing layer	5	-0.51	7	-0.20	4	-0.61	4	-0.26
Mass loading for inhalation	11	0.15	14	0.05	6	0.17	11	0.06
Indoor time fraction	2	0.80	5	0.43	2	0.77	2	0.39
R-SQUARE		0.90		0.90		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 All Pathways Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	3 -0.53	4 -0.26	4 -0.54	11 -0.22
Thickness of Unsaturated zone 1	17 -0.06	22 -0.02	22 -0.08	24 -0.03
Runoff coefficient	21 0.05	23 0.02	8 -0.19	19 -0.07
Wind Speed	15 -0.10	19 -0.04	11 -0.17	20 -0.06
Well pump intake depth	6 0.25	11 0.11	24 0.08	23 0.03
External gamma shielding factor	5 0.38	7 0.18	5 0.41	14 0.15
Inhalation rate	24 0.04	24 0.02	25 -0.05	25 -0.02
Soil ingestion	11 0.14	16 0.06	26 0.04	26 0.01
Thickness of Unsaturated zone 2	13 -0.11	17 -0.05	12 -0.16	21 -0.06
Kd of U-234 in Contaminated Zone	7 -0.24	3 -0.27	20 -0.11	12 -0.22
Kd of U-234 in Unsaturated Zone 1	18 0.06	6 0.19	15 0.14	8 0.26
Kd of U-234 in Unsaturated Zone 2	14 0.10	13 0.10	10 -0.18	3 -0.41
Kd of U-234 in Saturated Zone	26 -0.01	26 -0.01	13 0.14	5 0.33
Kd of U-235 in Contaminated Zone	9 0.17	8 0.12	21 0.09	16 0.13
Kd of U-235 in Unsaturated Zone 1	22 -0.05	12 -0.11	19 -0.12	15 -0.15
Kd of U-235 in Unsaturated Zone 2	16 -0.06	18 -0.05	7 0.21	4 0.35
Kd of U-235 in Saturated Zone	12 0.13	15 0.08	16 -0.14	9 -0.22
Kd of U-238 in Contaminated Zone	10 0.14	9 0.12	23 0.08	18 0.10
Kd of U-238 in Unsaturated Zone 1	20 -0.05	10 -0.11	17 -0.14	13 -0.16
Kd of U-238 in Unsaturated Zone 2	23 -0.05	21 -0.03	9 0.19	7 0.28
Kd of U-238 in Saturated Zone	19 -0.05	20 -0.04	14 -0.14	10 -0.22
Thickness of contaminated zone	1 0.86	1 0.72	1 0.90	1 0.73
Aquatic food	25 -0.02	25 -0.01	18 -0.13	22 -0.05
Depth of soil mixing layer	4 -0.51	5 -0.26	3 -0.66	6 -0.30
Mass loading for inhalation	8 0.19	14 0.08	6 0.28	17 0.10
Indoor time fraction	2 0.68	2 0.40	2 0.78	2 0.43
R-SQUARE	0.83	0.83	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 =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	3 -0.56	3 -0.27	3 -0.62	3 -0.28
Thickness of Unsaturated zone 1	20 -0.05	21 -0.02	10 -0.10	18 -0.04
Runoff coefficient	26 0.00	26 0.00	12 -0.10	19 -0.04
Wind Speed	12 0.11	18 0.05	6 0.16	14 0.06
Well pump intake depth	24 0.03	24 0.01	19 0.08	22 0.03
External gamma shielding factor	5 0.44	6 0.20	5 0.35	7 0.13
Inhalation rate	9 0.12	17 0.05	9 0.11	17 0.04
Soil ingestion	8 0.17	13 0.07	22 -0.03	24 -0.01
Thickness of Unsaturated zone 2	22 0.04	23 0.02	14 0.09	20 0.03
Kd of U-234 in Contaminated Zone	17 -0.07	9 -0.11	24 0.01	23 0.03
Kd of U-234 in Unsaturated Zone 1	10 -0.11	4 -0.25	20 0.06	10 0.11
Kd of U-234 in Unsaturated Zone 2	19 0.05	16 0.05	11 -0.10	5 -0.18
Kd of U-234 in Saturated Zone	6 0.17	8 0.13	23 -0.03	15 -0.06
Kd of U-235 in Contaminated Zone	25 0.01	25 0.01	21 -0.05	13 -0.06
Kd of U-235 in Unsaturated Zone 1	11 0.11	7 0.17	17 -0.08	11 -0.11
Kd of U-235 in Unsaturated Zone 2	23 -0.04	20 -0.03	15 0.09	12 0.10
Kd of U-235 in Saturated Zone	13 0.10	15 0.06	7 0.12	6 0.16
Kd of U-238 in Contaminated Zone	15 0.08	11 0.08	25 0.00	25 -0.01
Kd of U-238 in Unsaturated Zone 1	18 0.06	12 0.08	16 -0.09	9 -0.12
Kd of U-238 in Unsaturated Zone 2	14 -0.10	14 -0.06	13 0.09	8 0.12
Kd of U-238 in Saturated Zone	7 -0.17	10 -0.10	26 0.00	26 0.00
Thickness of contaminated zone	1 0.87	1 0.71	1 0.90	1 0.74
Aquatic food	16 0.08	19 0.03	8 0.12	16 0.04
Depth of soil mixing layer	4 -0.47	5 -0.21	4 -0.59	4 -0.26
Mass loading for inhalation	21 0.04	22 0.02	18 -0.08	21 -0.03
Indoor time fraction	2 0.72	2 0.41	2 0.75	2 0.40
R-SQUARE	0.85	0.85	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 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
Depth of roots	22	0.04	22	0.01	5	-0.21	10	-0.07
Thickness of Unsaturated zone 1	23	-0.03	23	-0.01	15	-0.06	20	-0.02
Runoff coefficient	17	-0.06	20	-0.02	13	0.06	19	0.02
Wind Speed	11	-0.08	18	-0.03	16	-0.06	21	-0.02
Well pump intake depth	13	0.07	19	0.03	11	0.10	14	0.04
External gamma shielding factor	3	0.62	6	0.33	3	0.60	3	0.27
Inhalation rate	5	0.19	10	0.08	4	0.27	8	0.10
Soil ingestion	26	-0.01	26	0.00	9	-0.11	13	-0.04
Thickness of Unsaturated zone 2	20	-0.05	21	-0.02	19	0.05	22	0.02
Kd of U-234 in Contaminated Zone	7	-0.17	7	-0.23	22	-0.02	17	-0.03
Kd of U-234 in Unsaturated Zone 1	4	0.20	2	0.71	6	0.15	4	0.24
Kd of U-234 in Unsaturated Zone 2	19	-0.05	15	-0.05	18	-0.05	7	-0.11
Kd of U-234 in Saturated Zone	12	-0.07	9	-0.10	25	0.00	24	0.01
Kd of U-235 in Contaminated Zone	9	0.17	8	0.16	20	0.02	16	0.04
Kd of U-235 in Unsaturated Zone 1	8	-0.17	5	-0.38	17	-0.06	11	-0.06
Kd of U-235 in Unsaturated Zone 2	14	0.07	14	0.05	12	0.09	6	0.13
Kd of U-235 in Saturated Zone	15	-0.06	13	-0.06	21	-0.02	18	-0.02
Kd of U-238 in Contaminated Zone	16	0.06	12	0.06	23	-0.01	23	-0.02
Kd of U-238 in Unsaturated Zone 1	10	-0.17	4	-0.40	7	-0.15	5	-0.17
Kd of U-238 in Unsaturated Zone 2	18	0.06	17	0.04	14	0.06	9	0.08
Kd of U-238 in Saturated Zone	21	0.04	16	0.04	24	0.00	25	0.01
Thickness of contaminated zone	2	0.69	3	0.40	2	0.84	2	0.53
Aquatic food	24	-0.02	24	-0.01	10	-0.10	15	-0.04
Depth of soil mixing layer	6	0.17	11	0.08	26	0.00	26	0.00
Mass loading for inhalation	25	0.02	25	0.01	8	0.14	12	0.05
Indoor time fraction	1	0.87	1	0.72	1	0.89	1	0.69
R-SQUARE		0.84		0.84		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
Depth of roots	23	-0.02	24	-0.01	21	-0.05	22	-0.02
Thickness of Unsaturated zone 1	12	-0.13	15	-0.06	16	-0.08	20	-0.03
Runoff coefficient	14	-0.07	18	-0.03	6	-0.17	16	-0.06
Wind Speed	13	-0.09	17	-0.04	22	-0.03	24	-0.01
Well pump intake depth	10	0.18	13	0.08	9	0.14	18	0.05
External gamma shielding factor	3	0.57	3	0.31	3	0.62	4	0.27
Inhalation rate	21	0.03	22	0.01	24	-0.02	25	-0.01
Soil ingestion	20	-0.03	21	-0.01	26	0.00	26	0.00
Thickness of Unsaturated zone 2	11	-0.14	14	-0.06	5	-0.20	15	-0.07
Kd of U-234 in Contaminated Zone	6	-0.24	4	-0.28	10	0.13	5	0.25
Kd of U-234 in Unsaturated Zone 1	17	0.05	8	0.16	13	0.10	8	0.18
Kd of U-234 in Unsaturated Zone 2	4	0.27	5	0.27	11	-0.11	3	-0.27
Kd of U-234 in Saturated Zone	19	0.03	19	0.03	23	0.02	17	0.05
Kd of U-235 in Contaminated Zone	5	0.25	6	0.19	17	-0.08	11	-0.11
Kd of U-235 in Unsaturated Zone 1	18	-0.03	12	-0.08	19	-0.07	13	-0.09
Kd of U-235 in Unsaturated Zone 2	9	-0.19	9	-0.15	8	0.14	6	0.23
Kd of U-235 in Saturated Zone	24	-0.02	23	-0.01	25	-0.01	23	-0.02
Kd of U-238 in Contaminated Zone	7	0.21	7	0.19	12	-0.11	9	-0.13
Kd of U-238 in Unsaturated Zone 1	16	-0.05	10	-0.12	14	-0.10	10	-0.11
Kd of U-238 in Unsaturated Zone 2	15	-0.06	16	-0.04	7	0.15	7	0.22
Kd of U-238 in Saturated Zone	22	-0.02	20	-0.02	20	-0.07	12	-0.10
Thickness of contaminated zone	2	0.66	2	0.39	2	0.82	2	0.49
Aquatic food	26	0.00	26	0.00	15	-0.08	19	-0.03
Depth of soil mixing layer	25	0.01	25	0.01	18	-0.08	21	-0.03
Mass loading for inhalation	8	0.21	11	0.09	4	0.22	14	0.08
Indoor time fraction	1	0.85	1	0.71	1	0.91	1	0.73
R-SQUARE		0.83		0.83		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	
	3		3		3		3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	25	0.01	25	0.01	13	-0.09	18	-0.03
Thickness of Unsaturated zone 1	22	-0.03	23	-0.01	5	-0.15	11	-0.05
Runoff coefficient	12	0.14	17	0.06	15	0.07	20	0.03
Wind Speed	9	0.17	15	0.07	10	0.10	15	0.03
Well pump intake depth	23	0.02	24	0.01	25	-0.01	26	0.00
External gamma shielding factor	3	0.68	3	0.38	3	0.61	3	0.27
Inhalation rate	13	0.14	18	0.06	11	0.10	16	0.03
Soil ingestion	21	-0.03	21	-0.01	4	-0.22	8	-0.08
Thickness of Unsaturated zone 2	19	-0.10	19	-0.04	12	-0.09	17	-0.03
Kd of U-234 in Contaminated Zone	5	-0.22	5	-0.34	24	0.01	23	0.02
Kd of U-234 in Unsaturated Zone 1	10	-0.15	4	-0.36	7	0.12	4	0.23
Kd of U-234 in Unsaturated Zone 2	17	0.11	11	0.11	18	-0.03	10	-0.06
Kd of U-234 in Saturated Zone	7	0.19	9	0.14	17	0.03	9	0.07
Kd of U-235 in Contaminated Zone	15	0.13	10	0.13	16	-0.07	7	-0.09
Kd of U-235 in Unsaturated Zone 1	8	0.18	6	0.29	9	-0.12	6	-0.15
Kd of U-235 in Unsaturated Zone 2	24	-0.02	22	-0.01	19	0.03	13	0.03
Kd of U-235 in Saturated Zone	14	0.13	14	0.07	21	0.02	21	0.02
Kd of U-238 in Contaminated Zone	6	0.20	7	0.21	20	-0.03	14	-0.03
Kd of U-238 in Unsaturated Zone 1	16	0.11	8	0.16	8	-0.12	5	-0.16
Kd of U-238 in Unsaturated Zone 2	11	-0.14	13	-0.09	22	0.02	22	0.02
Kd of U-238 in Saturated Zone	18	-0.10	16	-0.06	26	0.00	24	0.00
Thickness of contaminated zone	2	0.72	2	0.42	2	0.81	2	0.49
Aquatic food	20	0.08	20	0.03	6	0.12	12	0.05
Depth of soil mixing layer	4	0.24	12	0.10	14	0.09	19	0.03
Mass loading for inhalation	26	-0.01	26	0.00	23	0.01	25	0.00
Indoor time fraction	1	0.87	1	0.73	1	0.91	1	0.76
R-SQUARE	0.85		0.85		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 =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	-0.27	13	-0.12	10	-0.10	17	-0.03
Thickness of Unsaturated zone 1	9	-0.15	14	-0.06	8	-0.11	13	-0.03
Runoff coefficient	10	0.15	16	0.06	15	0.06	22	0.02
Wind Speed	6	-0.32	12	-0.13	6	-0.19	8	-0.06
Well pump intake depth	15	-0.11	17	-0.04	13	-0.08	19	-0.03
External gamma shielding factor	20	-0.02	23	-0.01	7	0.14	10	0.04
Inhalation rate	5	0.47	8	0.22	5	0.68	5	0.28
Soil ingestion	18	0.07	18	0.03	11	0.10	16	0.03
Thickness of Unsaturated zone 2	23	-0.01	26	0.00	9	-0.10	14	-0.03
Kd of U-234 in Contaminated Zone	22	0.02	19	0.02	16	0.05	7	0.09
Kd of U-234 in Unsaturated Zone 1	12	0.13	2	0.44	19	0.04	9	0.05
Kd of U-234 in Unsaturated Zone 2	24	-0.01	22	-0.01	26	0.01	25	0.02
Kd of U-234 in Saturated Zone	14	0.13	9	0.17	22	0.02	18	0.03
Kd of U-235 in Contaminated Zone	25	-0.01	24	-0.01	12	-0.09	6	-0.11
Kd of U-235 in Unsaturated Zone 1	13	-0.13	6	-0.28	20	0.03	15	0.03
Kd of U-235 in Unsaturated Zone 2	21	-0.02	20	-0.01	25	0.01	26	0.01
Kd of U-235 in Saturated Zone	8	-0.17	10	-0.15	18	-0.04	12	-0.04
Kd of U-238 in Contaminated Zone	26	0.01	25	0.01	24	-0.01	24	-0.02
Kd of U-238 in Unsaturated Zone 1	16	-0.10	7	-0.23	17	-0.04	11	-0.04
Kd of U-238 in Unsaturated Zone 2	17	-0.10	15	-0.06	23	0.02	23	0.02
Kd of U-238 in Saturated Zone	11	-0.14	11	-0.14	21	-0.02	20	-0.02
Thickness of contaminated zone	4	0.67	5	0.36	1	0.87	1	0.53
Aquatic food	19	-0.03	21	-0.01	14	0.07	21	0.02
Depth of soil mixing layer	2	-0.70	3	-0.42	3	-0.81	3	-0.44
Mass loading for inhalation	1	0.75	1	0.47	2	0.83	2	0.45
Indoor time fraction	3	0.70	4	0.40	4	0.75	4	0.34
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 Inhalation particles Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff		Sig Coeff		Sig Coeff		Sig Coeff	
Depth of roots	14	0.09	18	0.04	12	0.14	18	0.05
Thickness of Unsaturated zone 1	9	-0.19	12	-0.08	18	0.09	21	0.03
Runoff coefficient	7	0.29	8	0.13	19	-0.08	20	-0.03
Wind Speed	6	-0.46	6	-0.21	6	-0.31	15	-0.11
Well pump intake depth	18	-0.04	23	-0.02	20	0.06	22	0.02
External gamma shielding factor	25	-0.01	26	0.00	21	0.04	24	0.01
Inhalation rate	5	0.52	5	0.25	5	0.45	11	0.18
Soil ingestion	23	-0.02	24	-0.01	22	-0.04	25	-0.01
Thickness of Unsaturated zone 2	12	0.09	17	0.04	26	0.01	26	0.00
Kd of U-234 in Contaminated Zone	24	0.02	22	0.02	13	0.13	6	0.27
Kd of U-234 in Unsaturated Zone 1	17	-0.04	7	-0.14	11	0.14	7	0.26
Kd of U-234 in Unsaturated Zone 2	21	-0.03	19	-0.03	24	0.02	17	0.05
Kd of U-234 in Saturated Zone	15	0.07	14	0.06	8	0.16	5	0.37
Kd of U-235 in Contaminated Zone	10	-0.13	11	-0.09	15	-0.12	12	-0.17
Kd of U-235 in Unsaturated Zone 1	22	0.02	16	0.05	16	-0.12	13	-0.15
Kd of U-235 in Unsaturated Zone 2	20	-0.03	21	-0.02	25	0.01	23	0.02
Kd of U-235 in Saturated Zone	11	-0.10	15	-0.06	9	-0.16	8	-0.25
Kd of U-238 in Contaminated Zone	13	-0.09	13	-0.07	10	-0.16	9	-0.20
Kd of U-238 in Unsaturated Zone 1	16	0.05	9	0.11	17	-0.11	14	-0.14
Kd of U-238 in Unsaturated Zone 2	19	0.04	20	0.03	23	-0.02	19	-0.03
Kd of U-238 in Saturated Zone	26	0.01	25	0.00	14	-0.12	10	-0.19
Thickness of contaminated zone	1	0.72	1	0.44	1	0.83	1	0.51
Aquatic food	8	-0.24	10	-0.10	7	-0.20	16	-0.07
Depth of soil mixing layer	3	-0.70	3	-0.41	3	-0.80	3	-0.47
Mass loading for inhalation	2	0.71	2	0.42	2	0.81	2	0.48
Indoor time fraction	4	0.70	4	0.41	4	0.73	4	0.38
R-SQUARE	0.84		0.84		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 Inhalation particles Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff		Sig Coeff		Sig Coeff		Sig Coeff	
Depth of roots	14	0.08	18	0.03	24	0.04	25	0.01
Thickness of Unsaturated zone 1	9	-0.10	15	-0.04	26	0.00	26	0.00
Runoff coefficient	23	0.02	26	0.01	20	0.06	23	0.02
Wind Speed	6	-0.23	9	-0.10	6	-0.31	14	-0.11
Well pump intake depth	7	0.15	12	0.06	13	-0.16	18	-0.05
External gamma shielding factor	13	0.08	17	0.03	21	0.06	24	0.02
Inhalation rate	5	0.55	5	0.28	5	0.63	10	0.27
Soil ingestion	12	0.09	16	0.04	19	-0.07	22	-0.02
Thickness of Unsaturated zone 2	16	0.07	19	0.03	16	0.09	21	0.03
Kd of U-234 in Contaminated Zone	19	-0.04	10	-0.07	11	0.22	4	0.42
Kd of U-234 in Unsaturated Zone 1	11	-0.09	6	-0.22	9	0.23	3	0.42
Kd of U-234 in Unsaturated Zone 2	25	-0.02	23	-0.02	15	-0.10	12	-0.17
Kd of U-234 in Saturated Zone	24	0.02	24	0.01	18	0.08	13	0.16
Kd of U-235 in Contaminated Zone	26	0.01	25	0.01	8	-0.24	8	-0.31
Kd of U-235 in Unsaturated Zone 1	10	0.09	7	0.16	10	-0.22	9	-0.28
Kd of U-235 in Unsaturated Zone 2	18	0.06	13	0.05	17	0.09	15	0.10
Kd of U-235 in Saturated Zone	15	0.08	14	0.04	25	-0.03	19	-0.04
Kd of U-238 in Contaminated Zone	8	0.10	8	0.11	12	-0.21	11	-0.27
Kd of U-238 in Unsaturated Zone 1	20	0.04	11	0.07	7	-0.26	7	-0.34
Kd of U-238 in Unsaturated Zone 2	21	-0.03	21	-0.02	22	0.05	16	0.06
Kd of U-238 in Saturated Zone	22	0.03	22	0.02	23	-0.04	17	-0.05
Thickness of contaminated zone	1	0.74	1	0.47	1	0.83	1	0.50
Aquatic food	17	-0.06	20	-0.03	14	0.11	20	0.04
Depth of soil mixing layer	2	-0.70	2	-0.41	2	-0.80	2	-0.44
Mass loading for inhalation	4	0.68	4	0.40	3	0.76	5	0.41
Indoor time fraction	3	0.69	3	0.41	4	0.73	6	0.35
R-SQUARE	0.83		0.83		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 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
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
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
External gamma shielding factor	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
Indoor 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
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	1	-0.81	4	-0.66	1	-0.95	1	-0.69
Thickness of Unsaturated zone 1	19	0.07	19	0.03	13	-0.08	19	-0.02
Runoff coefficient	14	-0.13	16	-0.06	4	0.18	10	0.04
Wind Speed	13	-0.14	15	-0.06	7	-0.15	13	-0.03
Well pump intake depth	18	-0.08	18	-0.04	18	0.05	20	0.01
External gamma shielding factor	3	0.38	9	0.20	20	0.03	23	0.01
Inhalation rate	23	-0.03	25	-0.01	21	0.03	24	0.01
Soil ingestion	16	-0.09	17	-0.04	12	-0.12	18	-0.03
Thickness of Unsaturated zone 2	20	-0.06	20	-0.03	9	0.14	15	0.03
Kd of U-234 in Contaminated Zone	5	0.27	5	0.43	8	-0.14	3	-0.21
Kd of U-234 in Unsaturated Zone 1	4	0.27	1	1.09	22	0.03	16	0.03
Kd of U-234 in Unsaturated Zone 2	15	-0.12	11	-0.13	23	-0.02	14	-0.03
Kd of U-234 in Saturated Zone	26	0.00	26	0.01	15	0.07	6	0.08
Kd of U-235 in Contaminated Zone	12	-0.20	8	-0.21	10	0.13	5	0.12
Kd of U-235 in Unsaturated Zone 1	7	-0.27	3	-0.69	24	0.01	22	0.01
Kd of U-235 in Unsaturated Zone 2	25	0.02	23	0.01	25	-0.01	25	-0.01
Kd of U-235 in Saturated Zone	17	0.08	14	0.09	19	-0.05	11	-0.04
Kd of U-238 in Contaminated Zone	8	-0.25	7	-0.29	6	0.15	4	0.15
Kd of U-238 in Unsaturated Zone 1	6	-0.27	2	-0.74	26	0.00	26	0.00
Kd of U-238 in Unsaturated Zone 2	10	0.21	10	0.15	16	0.06	7	0.06
Kd of U-238 in Saturated Zone	24	-0.02	21	-0.02	14	-0.07	8	-0.06
Thickness of contaminated zone	2	0.66	6	0.42	2	0.95	2	0.66
Aquatic food	11	0.21	13	0.10	17	-0.05	21	-0.01
Depth of soil mixing layer	9	0.24	12	0.12	3	0.19	9	0.04
Mass loading for inhalation	21	0.04	22	0.02	11	-0.12	17	-0.03
Indoor time fraction	22	-0.03	24	-0.01	5	0.16	12	0.04
R-SQUARE	0.79		0.79		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 Plant (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
		2		2		2		2
Depth of roots	1	-0.70	1	-0.59	1	-0.93	1	-0.70
Thickness of Unsaturated zone 1	25	-0.01	25	-0.01	15	-0.04	23	-0.01
Runoff coefficient	22	-0.02	24	-0.01	22	0.02	24	0.00
Wind Speed	11	0.06	15	0.04	5	-0.18	9	-0.05
Well pump intake depth	4	0.19	8	0.12	7	-0.15	11	-0.04
External gamma shielding factor	17	0.04	18	0.02	26	0.00	26	0.00
Inhalation rate	20	0.02	23	0.01	11	-0.09	18	-0.03
Soil ingestion	26	0.00	26	0.00	12	0.09	19	0.02
Thickness of Unsaturated zone 2	8	-0.08	12	-0.05	10	-0.13	12	-0.04
Kd of U-234 in Contaminated Zone	5	-0.14	5	-0.21	9	-0.13	3	-0.21
Kd of U-234 in Unsaturated Zone 1	12	0.05	3	0.27	20	0.02	13	0.04
Kd of U-234 in Unsaturated Zone 2	24	0.01	22	0.01	25	0.01	21	0.02
Kd of U-234 in Saturated Zone	6	-0.09	9	-0.11	16	-0.04	7	-0.07
Kd of U-235 in Contaminated Zone	18	0.03	16	0.03	8	0.14	5	0.15
Kd of U-235 in Unsaturated Zone 1	15	-0.05	7	-0.16	24	-0.01	22	-0.01
Kd of U-235 in Unsaturated Zone 2	23	0.02	20	0.02	19	-0.03	15	-0.03
Kd of U-235 in Saturated Zone	3	0.24	4	0.22	21	0.02	17	0.03
Kd of U-238 in Contaminated Zone	14	0.05	11	0.06	3	0.19	4	0.20
Kd of U-238 in Unsaturated Zone 1	13	-0.05	6	-0.17	17	-0.04	14	-0.03
Kd of U-238 in Unsaturated Zone 2	7	-0.08	10	-0.08	18	0.03	16	0.03
Kd of U-238 in Saturated Zone	21	-0.02	19	-0.02	14	0.06	6	0.07
Thickness of contaminated zone	2	0.63	2	0.50	2	0.93	2	0.68
Aquatic food	16	0.04	17	0.03	23	-0.01	25	0.00
Depth of soil mixing layer	9	0.08	13	0.05	6	0.17	10	0.05
Mass loading for inhalation	19	0.02	21	0.01	4	0.18	8	0.05
Indoor time fraction	10	-0.08	14	-0.05	13	0.08	20	0.02
R-SQUARE		0.66		0.66		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 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
Depth of roots	1 -0.77	1 -0.68	1 -0.95	1 -0.68
Thickness of Unsaturated zone 1	23 0.02	24 0.01	5 -0.22	11 -0.05
Runoff coefficient	4 -0.20	5 -0.11	21 -0.06	25 -0.01
Wind Speed	8 0.12	11 0.07	20 -0.07	24 -0.02
Well pump intake depth	25 -0.01	26 0.00	18 -0.08	20 -0.02
External gamma shielding factor	22 0.02	23 0.01	15 -0.10	18 -0.02
Inhalation rate	12 -0.07	17 -0.04	14 -0.11	16 -0.02
Soil ingestion	11 0.07	15 0.04	11 -0.16	13 -0.03
Thickness of Unsaturated zone 2	7 0.12	9 0.07	22 0.05	26 0.01
Kd of U-234 in Contaminated Zone	14 0.04	7 0.08	26 -0.01	22 -0.02
Kd of U-234 in Unsaturated Zone 1	26 0.01	22 0.02	4 0.22	3 0.27
Kd of U-234 in Unsaturated Zone 2	21 -0.02	21 -0.02	13 0.11	9 0.13
Kd of U-234 in Saturated Zone	9 0.09	6 0.09	9 -0.18	5 -0.21
Kd of U-235 in Contaminated Zone	16 -0.03	14 -0.04	25 -0.02	21 -0.02
Kd of U-235 in Unsaturated Zone 1	17 -0.03	10 -0.07	10 -0.17	8 -0.14
Kd of U-235 in Unsaturated Zone 2	19 -0.03	19 -0.03	23 -0.04	15 -0.03
Kd of U-235 in Saturated Zone	15 -0.03	20 -0.03	7 0.20	7 0.16
Kd of U-238 in Contaminated Zone	20 -0.03	16 -0.04	24 0.04	14 0.03
Kd of U-238 in Unsaturated Zone 1	18 -0.03	12 -0.06	3 -0.26	4 -0.22
Kd of U-238 in Unsaturated Zone 2	13 0.04	18 0.04	12 -0.15	10 -0.12
Kd of U-238 in Saturated Zone	5 -0.18	3 -0.15	6 0.20	6 0.17
Thickness of contaminated zone	2 0.63	2 0.45	2 0.95	2 0.68
Aquatic food	6 0.14	8 0.08	17 0.10	17 0.02
Depth of soil mixing layer	3 0.21	4 0.12	19 0.07	23 0.02
Mass loading for inhalation	24 0.01	25 0.01	8 0.18	12 0.04
Indoor time fraction	10 -0.09	13 -0.05	16 -0.10	19 -0.02
R-SQUARE	0.72	0.72	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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1	1	1	1	1	1	1	1
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	5	-0.20	6	-0.07	3	-0.36	11	-0.09
Thickness of Unsaturated zone 1	13	-0.05	16	-0.02	14	-0.10	20	-0.02
Runoff coefficient	7	0.19	7	0.06	4	0.17	15	0.04
Wind Speed	25	0.00	25	0.00	5	0.14	16	0.03
Well pump intake depth	15	-0.05	17	-0.01	23	0.06	24	0.01
External gamma shielding factor	8	-0.16	8	-0.05	17	-0.10	22	-0.02
Inhalation rate	9	0.12	13	0.04	10	0.12	18	0.03
Soil ingestion	24	0.00	24	0.00	19	0.09	23	0.02
Thickness of Unsaturated zone 2	26	0.00	26	0.00	8	-0.13	17	-0.03
Kd of U-234 in Contaminated Zone	16	0.04	14	0.04	7	-0.13	3	-0.20
Kd of U-234 in Unsaturated Zone 1	4	0.22	3	0.57	18	0.10	8	0.10
Kd of U-234 in Unsaturated Zone 2	18	0.02	15	0.02	11	-0.11	4	-0.16
Kd of U-234 in Saturated Zone	14	-0.05	9	-0.05	20	0.09	7	0.11
Kd of U-235 in Contaminated Zone	11	0.07	11	0.05	6	0.13	5	0.13
Kd of U-235 in Unsaturated Zone 1	6	-0.19	5	-0.32	25	-0.04	19	-0.03
Kd of U-235 in Unsaturated Zone 2	10	-0.07	12	-0.04	16	0.10	10	0.10
Kd of U-235 in Saturated Zone	19	-0.02	18	-0.01	13	-0.10	12	-0.08
Kd of U-238 in Contaminated Zone	12	-0.06	10	-0.05	9	0.12	6	0.12
Kd of U-238 in Unsaturated Zone 1	3	-0.23	4	-0.41	22	-0.06	14	-0.05
Kd of U-238 in Unsaturated Zone 2	23	-0.01	21	0.00	12	0.11	9	0.10
Kd of U-238 in Saturated Zone	21	0.01	19	0.01	21	-0.08	13	-0.06
Thickness of contaminated zone	1	0.91	1	0.69	1	0.96	1	0.75
Aquatic food	22	-0.01	23	0.00	24	-0.04	25	-0.01
Depth of soil mixing layer	2	-0.88	2	-0.60	2	-0.93	2	-0.59
Mass loading for inhalation	20	0.01	22	0.00	26	0.01	26	0.00
Indoor time fraction	17	-0.03	20	-0.01	15	0.10	21	0.02
R-SQUARE		0.91		0.91		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 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
Depth of roots	17 -0.06	21 -0.02	8 -0.16	13 -0.04
Thickness of Unsaturated zone 1	15 0.09	18 0.03	20 -0.03	22 -0.01
Runoff coefficient	8 0.15	15 0.05	17 -0.05	19 -0.01
Wind Speed	9 -0.14	16 -0.05	10 -0.15	15 -0.03
Well pump intake depth	4 0.19	12 0.06	21 0.03	23 0.01
External gamma shielding factor	3 0.21	9 0.07	7 0.17	12 0.04
Inhalation rate	16 -0.09	20 -0.03	19 -0.04	21 -0.01
Soil ingestion	10 0.13	17 0.04	23 0.02	25 0.00
Thickness of Unsaturated zone 2	26 0.00	26 0.00	22 0.02	24 0.01
Kd of U-234 in Contaminated Zone	6 -0.16	3 -0.13	26 0.00	26 0.00
Kd of U-234 in Unsaturated Zone 1	19 0.05	4 0.13	15 0.07	9 0.08
Kd of U-234 in Unsaturated Zone 2	11 -0.11	8 -0.08	11 -0.13	6 -0.19
Kd of U-234 in Saturated Zone	13 0.10	11 0.06	3 0.28	3 0.42
Kd of U-235 in Contaminated Zone	5 0.17	5 0.09	25 0.01	20 0.01
Kd of U-235 in Unsaturated Zone 1	22 -0.05	7 -0.08	14 -0.07	10 -0.06
Kd of U-235 in Unsaturated Zone 2	21 0.05	19 0.03	9 0.16	7 0.17
Kd of U-235 in Saturated Zone	25 0.01	25 0.00	4 -0.27	4 -0.28
Kd of U-238 in Contaminated Zone	14 0.09	13 0.06	24 -0.02	17 -0.02
Kd of U-238 in Unsaturated Zone 1	23 -0.04	10 -0.07	18 -0.05	14 -0.03
Kd of U-238 in Unsaturated Zone 2	7 0.16	6 0.08	12 0.12	8 0.12
Kd of U-238 in Saturated Zone	12 -0.11	14 -0.06	5 -0.26	5 -0.26
Thickness of contaminated zone	1 0.92	1 0.73	1 0.96	1 0.74
Aquatic food	18 -0.05	22 -0.02	13 -0.11	16 -0.03
Depth of soil mixing layer	2 -0.89	2 -0.63	2 -0.94	2 -0.62
Mass loading for inhalation	20 0.05	23 0.02	6 0.22	11 0.05
Indoor time fraction	24 -0.04	24 -0.01	16 -0.06	18 -0.01
R-SQUARE	0.91	0.91	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 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
Depth of roots	19 -0.04	20 -0.02	3 -0.25	15 -0.07
Thickness of Unsaturated zone 1	14 -0.07	16 -0.02	17 -0.08	18 -0.02
Runoff coefficient	18 0.05	19 0.02	20 0.05	20 0.01
Wind Speed	16 0.06	18 0.02	23 0.02	23 0.01
Well pump intake depth	25 0.00	26 0.00	25 0.02	25 0.00
External gamma shielding factor	8 0.11	13 0.04	26 -0.02	26 0.00
Inhalation rate	15 0.06	17 0.02	21 0.04	21 0.01
Soil ingestion	22 -0.02	22 -0.01	24 0.02	24 0.01
Thickness of Unsaturated zone 2	23 0.01	24 0.00	11 0.15	17 0.04
Kd of U-234 in Contaminated Zone	17 0.05	7 0.07	5 0.22	3 0.33
Kd of U-234 in Unsaturated Zone 1	5 -0.13	3 -0.27	12 0.14	6 0.20
Kd of U-234 in Unsaturated Zone 2	26 0.00	25 0.00	15 -0.10	11 -0.13
Kd of U-234 in Saturated Zone	11 0.09	9 0.06	14 -0.10	10 -0.14
Kd of U-235 in Contaminated Zone	9 -0.09	6 -0.08	4 -0.24	4 -0.23
Kd of U-235 in Unsaturated Zone 1	4 0.15	4 0.20	8 -0.16	8 -0.16
Kd of U-235 in Unsaturated Zone 2	21 -0.04	15 -0.03	16 0.09	13 0.08
Kd of U-235 in Saturated Zone	7 0.12	8 0.06	10 0.16	9 0.15
Kd of U-238 in Contaminated Zone	24 -0.01	23 0.00	6 -0.21	5 -0.21
Kd of U-238 in Unsaturated Zone 1	10 0.09	5 0.12	7 -0.18	7 -0.18
Kd of U-238 in Unsaturated Zone 2	12 -0.08	12 -0.05	18 0.08	14 0.07
Kd of U-238 in Saturated Zone	13 -0.08	14 -0.04	13 0.12	12 0.11
Thickness of contaminated zone	1 0.89	1 0.68	1 0.94	1 0.74
Aquatic food	20 -0.04	21 -0.01	19 0.05	19 0.01
Depth of soil mixing layer	2 -0.87	2 -0.61	2 -0.92	2 -0.59
Mass loading for inhalation	3 -0.15	10 -0.05	9 -0.16	16 -0.05
Indoor time fraction	6 -0.13	11 -0.05	22 -0.03	22 -0.01
R-SQUARE	0.89	0.89	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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	-0.17	8	-0.05	3	-0.30	11	-0.07
Thickness of Unsaturated zone 1	13	-0.05	16	-0.02	19	-0.07	24	-0.02
Runoff coefficient	5	0.19	6	0.06	4	0.16	15	0.04
Wind Speed	24	0.01	24	0.00	8	0.11	19	0.03
Well pump intake depth	15	-0.04	17	-0.01	14	0.10	21	0.02
External gamma shielding factor	7	-0.17	7	-0.06	13	-0.10	20	-0.02
Inhalation rate	9	0.12	13	0.04	5	0.14	16	0.03
Soil ingestion	26	0.00	26	0.00	6	0.13	17	0.03
Thickness of Unsaturated zone 2	25	0.00	25	0.00	17	-0.08	22	-0.02
Kd of U-234 in Contaminated Zone	18	0.03	14	0.03	20	-0.07	6	-0.10
Kd of U-234 in Unsaturated Zone 1	4	0.21	3	0.55	16	0.08	8	0.09
Kd of U-234 in Unsaturated Zone 2	16	0.03	15	0.02	10	-0.11	3	-0.15
Kd of U-234 in Saturated Zone	14	-0.05	10	-0.05	9	0.11	4	0.13
Kd of U-235 in Contaminated Zone	10	0.07	9	0.05	21	0.06	12	0.06
Kd of U-235 in Unsaturated Zone 1	6	-0.19	5	-0.32	25	-0.04	18	-0.03
Kd of U-235 in Unsaturated Zone 2	11	-0.07	12	-0.04	12	0.10	5	0.10
Kd of U-235 in Saturated Zone	19	-0.02	18	-0.01	7	-0.12	7	-0.09
Kd of U-238 in Contaminated Zone	12	-0.06	11	-0.04	24	0.05	13	0.05
Kd of U-238 in Unsaturated Zone 1	3	-0.22	4	-0.40	22	-0.06	14	-0.04
Kd of U-238 in Unsaturated Zone 2	20	-0.02	21	-0.01	15	0.09	10	0.08
Kd of U-238 in Saturated Zone	22	0.01	19	0.01	11	-0.10	9	-0.09
Thickness of contaminated zone	1	0.91	1	0.69	1	0.96	1	0.75
Aquatic food	21	-0.02	22	-0.01	23	-0.05	25	-0.01
Depth of soil mixing layer	2	-0.88	2	-0.60	2	-0.93	2	-0.60
Mass loading for inhalation	23	0.01	23	0.00	26	0.01	26	0.00
Indoor time fraction	17	-0.03	20	-0.01	18	0.08	23	0.02
R-SQUARE		0.91		0.91		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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	24 -0.02	24 -0.01	9 -0.14	15 -0.03
Thickness of Unsaturated zone 1	15 0.09	18 0.03	20 -0.04	22 -0.01
Runoff coefficient	8 0.15	15 0.05	16 -0.05	19 -0.01
Wind Speed	9 -0.15	16 -0.05	8 -0.15	14 -0.03
Well pump intake depth	4 0.18	13 0.06	23 0.02	25 0.00
External gamma shielding factor	3 0.21	9 0.07	7 0.16	13 0.04
Inhalation rate	16 -0.09	19 -0.03	21 -0.03	23 -0.01
Soil ingestion	10 0.13	17 0.04	22 0.03	24 0.01
Thickness of Unsaturated zone 2	25 0.00	26 0.00	18 0.04	20 0.01
Kd of U-234 in Contaminated Zone	6 -0.17	3 -0.14	26 0.00	26 0.00
Kd of U-234 in Unsaturated Zone 1	19 0.05	4 0.12	15 0.08	9 0.10
Kd of U-234 in Unsaturated Zone 2	11 -0.11	8 -0.08	12 -0.11	6 -0.17
Kd of U-234 in Saturated Zone	13 0.10	10 0.07	3 0.28	3 0.42
Kd of U-235 in Contaminated Zone	5 0.17	5 0.09	25 0.02	18 0.01
Kd of U-235 in Unsaturated Zone 1	21 -0.04	7 -0.08	14 -0.08	10 -0.07
Kd of U-235 in Unsaturated Zone 2	20 0.05	20 0.03	10 0.14	7 0.15
Kd of U-235 in Saturated Zone	26 0.00	25 0.00	4 -0.27	4 -0.28
Kd of U-238 in Contaminated Zone	14 0.10	12 0.06	24 -0.02	17 -0.01
Kd of U-238 in Unsaturated Zone 1	22 -0.04	11 -0.06	17 -0.05	12 -0.04
Kd of U-238 in Unsaturated Zone 2	7 0.16	6 0.08	13 0.11	8 0.11
Kd of U-238 in Saturated Zone	12 -0.11	14 -0.06	5 -0.26	5 -0.25
Thickness of contaminated zone	1 0.91	1 0.72	1 0.96	1 0.74
Aquatic food	17 -0.05	21 -0.02	11 -0.14	16 -0.03
Depth of soil mixing layer	2 -0.89	2 -0.63	2 -0.94	2 -0.63
Mass loading for inhalation	18 0.05	22 0.02	6 0.23	11 0.05
Indoor time fraction	23 -0.03	23 -0.01	19 -0.04	21 -0.01
R-SQUARE	0.91	0.91	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 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
Depth of roots	22 -0.01	23 0.00	4 -0.22	15 -0.06
Thickness of Unsaturated zone 1	13 -0.07	16 -0.03	16 -0.09	18 -0.02
Runoff coefficient	18 0.05	19 0.02	19 0.06	19 0.02
Wind Speed	16 0.05	18 0.02	22 0.04	22 0.01
Well pump intake depth	25 0.00	26 0.00	26 0.01	26 0.00
External gamma shielding factor	8 0.11	13 0.04	25 -0.02	25 0.00
Inhalation rate	15 0.06	17 0.02	20 0.04	20 0.01
Soil ingestion	21 -0.02	21 -0.01	21 0.04	21 0.01
Thickness of Unsaturated zone 2	23 0.01	25 0.00	10 0.14	17 0.04
Kd of U-234 in Contaminated Zone	17 0.05	7 0.07	5 0.22	3 0.32
Kd of U-234 in Unsaturated Zone 1	5 -0.13	3 -0.27	12 0.13	6 0.19
Kd of U-234 in Unsaturated Zone 2	26 0.00	24 0.00	14 -0.11	9 -0.14
Kd of U-234 in Saturated Zone	11 0.09	9 0.05	17 -0.09	11 -0.12
Kd of U-235 in Contaminated Zone	9 -0.09	6 -0.08	3 -0.23	4 -0.23
Kd of U-235 in Unsaturated Zone 1	4 0.15	4 0.20	9 -0.16	8 -0.15
Kd of U-235 in Unsaturated Zone 2	20 -0.04	15 -0.03	15 0.10	13 0.09
Kd of U-235 in Saturated Zone	7 0.12	8 0.06	11 0.14	10 0.13
Kd of U-238 in Contaminated Zone	24 0.00	22 0.00	6 -0.21	5 -0.21
Kd of U-238 in Unsaturated Zone 1	10 0.09	5 0.12	7 -0.18	7 -0.18
Kd of U-238 in Unsaturated Zone 2	12 -0.08	12 -0.05	18 0.08	14 0.08
Kd of U-238 in Saturated Zone	14 -0.07	14 -0.04	13 0.11	12 0.11
Thickness of contaminated zone	1 0.89	1 0.67	1 0.94	1 0.73
Aquatic food	19 -0.05	20 -0.02	23 0.03	23 0.01
Depth of soil mixing layer	2 -0.87	2 -0.61	2 -0.92	2 -0.59
Mass loading for inhalation	3 -0.15	10 -0.05	8 -0.17	16 -0.05
Indoor time fraction	6 -0.13	11 -0.05	24 -0.02	24 -0.01
R-SQUARE	0.89	0.89	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 Soil Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	-0.17	12	-0.07	7	-0.08	19	-0.03
Thickness of Unsaturated zone 1	12	-0.10	21	-0.04	11	-0.06	22	-0.02
Runoff coefficient	11	0.10	19	0.04	6	0.13	14	0.04
Wind Speed	13	-0.09	22	-0.03	20	0.04	24	0.01
Well pump intake depth	10	-0.12	16	-0.05	10	0.07	21	0.02
External gamma shielding factor	6	-0.20	11	-0.08	23	0.02	25	0.01
Inhalation rate	26	0.00	26	0.00	5	0.14	12	0.05
Soil ingestion	3	0.67	3	0.37	3	0.82	3	0.48
Thickness of Unsaturated zone 2	21	-0.05	24	-0.02	26	-0.01	26	0.00
Kd of U-234 in Contaminated Zone	15	0.08	10	0.11	14	-0.05	5	-0.11
Kd of U-234 in Unsaturated Zone 1	23	-0.04	9	-0.12	16	0.05	10	0.07
Kd of U-234 in Unsaturated Zone 2	8	0.16	5	0.15	19	-0.04	7	-0.08
Kd of U-234 in Saturated Zone	20	0.05	13	0.07	25	-0.02	15	-0.04
Kd of U-235 in Contaminated Zone	16	-0.06	14	-0.06	15	0.05	9	0.07
Kd of U-235 in Unsaturated Zone 1	25	0.02	17	0.05	17	-0.04	13	-0.04
Kd of U-235 in Unsaturated Zone 2	19	-0.05	20	-0.04	13	0.06	8	0.08
Kd of U-235 in Saturated Zone	18	-0.06	15	-0.05	22	0.03	18	0.03
Kd of U-238 in Contaminated Zone	9	-0.13	8	-0.12	24	0.02	17	0.03
Kd of U-238 in Unsaturated Zone 1	17	0.06	7	0.14	8	-0.08	6	-0.08
Kd of U-238 in Unsaturated Zone 2	5	-0.22	6	-0.14	18	0.04	11	0.05
Kd of U-238 in Saturated Zone	22	-0.04	18	-0.05	21	0.03	16	0.03
Thickness of contaminated zone	2	0.70	2	0.41	2	0.83	2	0.49
Aquatic food	14	0.08	23	0.03	12	0.06	23	0.02
Depth of soil mixing layer	4	-0.65	4	-0.37	4	-0.79	4	-0.43
Mass loading for inhalation	24	-0.02	25	-0.01	9	-0.08	20	-0.02
Indoor time fraction	1	0.83	1	0.60	1	0.85	1	0.52
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 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
Depth of roots	8 0.13	11 0.07	22 -0.05	25 -0.01
Thickness of Unsaturated zone 1	26 0.00	26 0.00	18 -0.07	24 -0.02
Runoff coefficient	5 0.22	8 0.12	8 0.17	15 0.06
Wind Speed	6 -0.17	9 -0.09	26 0.02	26 0.01
Well pump intake depth	11 0.09	15 0.04	13 -0.12	19 -0.04
External gamma shielding factor	15 0.06	16 0.03	17 0.08	23 0.02
Inhalation rate	9 -0.12	13 -0.06	16 -0.09	22 -0.03
Soil ingestion	2 0.64	2 0.42	3 0.83	3 0.46
Thickness of Unsaturated zone 2	24 -0.01	25 -0.01	14 -0.11	20 -0.04
Kd of U-234 in Contaminated Zone	23 -0.02	22 -0.02	6 0.18	5 0.33
Kd of U-234 in Unsaturated Zone 1	13 -0.08	5 -0.32	5 0.19	6 0.32
Kd of U-234 in Unsaturated Zone 2	21 -0.03	17 -0.03	25 -0.03	16 -0.05
Kd of U-234 in Saturated Zone	20 0.03	18 0.03	24 0.03	12 0.07
Kd of U-235 in Contaminated Zone	22 -0.02	23 -0.02	7 -0.18	7 -0.22
Kd of U-235 in Unsaturated Zone 1	14 0.07	7 0.19	10 -0.17	8 -0.20
Kd of U-235 in Unsaturated Zone 2	25 0.01	24 0.01	19 0.06	11 0.09
Kd of U-235 in Saturated Zone	12 -0.09	12 -0.06	23 -0.04	18 -0.05
Kd of U-238 in Contaminated Zone	17 -0.05	14 -0.05	11 -0.17	9 -0.20
Kd of U-238 in Unsaturated Zone 1	10 0.10	6 0.28	9 -0.17	10 -0.19
Kd of U-238 in Unsaturated Zone 2	18 -0.03	19 -0.03	21 0.05	14 0.07
Kd of U-238 in Saturated Zone	19 -0.03	21 -0.03	20 -0.05	13 -0.07
Thickness of contaminated zone	3 0.53	3 0.32	2 0.83	2 0.47
Aquatic food	7 -0.14	10 -0.07	12 -0.15	17 -0.05
Depth of soil mixing layer	4 -0.53	4 -0.32	4 -0.79	4 -0.41
Mass loading for inhalation	16 -0.05	20 -0.03	15 0.11	21 0.03
Indoor time fraction	1 0.74	1 0.57	1 0.87	1 0.56
R-SQUARE	0.76	0.76	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
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	18 -0.05	22 -0.02	12 -0.10	20 -0.03
Thickness of Unsaturated zone 1	16 -0.07	19 -0.03	10 -0.11	17 -0.04
Runoff coefficient	6 0.19	11 0.09	21 -0.04	23 -0.01
Wind Speed	5 -0.20	10 -0.10	11 0.11	18 0.04
Well pump intake depth	13 0.08	16 0.04	25 -0.01	25 0.00
External gamma shielding factor	23 -0.02	25 -0.01	22 -0.02	24 -0.01
Inhalation rate	11 0.10	14 0.04	9 0.14	15 0.05
Soil ingestion	2 0.71	2 0.46	2 0.80	3 0.45
Thickness of Unsaturated zone 2	17 0.07	20 0.03	7 0.16	14 0.06
Kd of U-234 in Contaminated Zone	26 0.01	24 0.02	6 0.16	5 0.32
Kd of U-234 in Unsaturated Zone 1	14 0.08	5 0.22	15 0.08	8 0.15
Kd of U-234 in Unsaturated Zone 2	9 0.11	8 0.12	20 0.04	12 0.07
Kd of U-234 in Saturated Zone	19 0.05	17 0.04	24 -0.02	19 -0.04
Kd of U-235 in Contaminated Zone	24 -0.02	23 -0.02	5 -0.20	6 -0.26
Kd of U-235 in Unsaturated Zone 1	10 -0.10	6 -0.19	13 -0.10	9 -0.12
Kd of U-235 in Unsaturated Zone 2	20 -0.04	18 -0.04	19 -0.04	16 -0.05
Kd of U-235 in Saturated Zone	12 0.10	13 0.06	16 0.07	11 0.08
Kd of U-238 in Contaminated Zone	22 -0.03	15 -0.04	8 -0.14	7 -0.19
Kd of U-238 in Unsaturated Zone 1	15 -0.08	7 -0.13	14 -0.09	10 -0.12
Kd of U-238 in Unsaturated Zone 2	7 -0.16	9 -0.12	23 -0.02	21 -0.03
Kd of U-238 in Saturated Zone	21 -0.04	21 -0.02	18 0.05	13 0.06
Thickness of contaminated zone	3 0.68	3 0.42	3 0.79	2 0.45
Aquatic food	8 -0.14	12 -0.07	26 -0.01	26 0.00
Depth of soil mixing layer	4 -0.64	4 -0.38	4 -0.75	4 -0.39
Mass loading for inhalation	25 -0.01	26 -0.01	17 0.05	22 0.02
Indoor time fraction	1 0.76	1 0.54	1 0.85	1 0.55
R-SQUARE	0.80	0.80	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 Water Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	-0.12	10	-0.06	10	-0.13	19	-0.05
Thickness of Unsaturated zone 1	6	-0.21	7	-0.11	5	-0.24	11	-0.10
Runoff coefficient	2	-0.53	2	-0.31	2	-0.75	2	-0.47
Wind Speed	10	-0.09	13	-0.04	24	0.03	25	0.01
Well pump intake depth	3	-0.50	3	-0.29	4	-0.48	4	-0.23
External gamma shielding factor	5	0.24	5	0.13	7	0.19	12	0.08
Inhalation rate	9	-0.09	12	-0.05	8	-0.17	14	-0.07
Soil ingestion	15	0.03	22	0.01	18	0.06	23	0.02
Thickness of Unsaturated zone 2	4	-0.45	4	-0.26	3	-0.72	3	-0.43
Kd of U-234 in Contaminated Zone	11	0.07	6	0.12	17	-0.07	8	-0.18
Kd of U-234 in Unsaturated Zone 1	25	0.00	20	0.02	26	0.00	26	0.00
Kd of U-234 in Unsaturated Zone 2	12	-0.06	9	-0.07	14	0.08	7	0.19
Kd of U-234 in Saturated Zone	19	-0.02	16	-0.03	15	-0.07	9	-0.16
Kd of U-235 in Contaminated Zone	8	-0.10	8	-0.11	22	0.03	18	0.05
Kd of U-235 in Unsaturated Zone 1	17	-0.02	11	-0.06	25	0.02	22	0.02
Kd of U-235 in Unsaturated Zone 2	18	0.02	17	0.02	12	-0.11	6	-0.19
Kd of U-235 in Saturated Zone	16	0.02	15	0.03	20	0.05	15	0.07
Kd of U-238 in Contaminated Zone	23	0.01	24	0.01	11	0.12	5	0.21
Kd of U-238 in Unsaturated Zone 1	24	-0.01	19	-0.02	19	0.05	16	0.07
Kd of U-238 in Unsaturated Zone 2	21	0.01	23	0.01	23	-0.03	20	-0.05
Kd of U-238 in Saturated Zone	20	-0.01	18	-0.02	13	0.10	10	0.15
Thickness of contaminated zone	1	0.79	1	0.65	1	0.81	1	0.57
Aquatic food	26	0.00	26	0.00	16	0.07	21	0.03
Depth of soil mixing layer	14	0.03	21	0.02	21	0.03	24	0.01
Mass loading for inhalation	22	-0.01	25	0.00	9	-0.16	17	-0.07
Indoor time fraction	13	0.06	14	0.03	6	0.19	13	0.08
R-SQUARE	0.76		0.76		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 Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	13 0.10	16 0.06	14 0.15	16 0.07
Thickness of Unsaturated zone 1	5 -0.26	8 -0.15	6 -0.23	13 -0.10
Runoff coefficient	3 -0.36	7 -0.21	3 -0.67	5 -0.42
Wind Speed	12 -0.10	13 -0.06	15 0.09	20 0.04
Well pump intake depth	2 -0.48	5 -0.31	4 -0.31	10 -0.15
External gamma shielding factor	24 -0.03	24 -0.01	13 -0.16	14 -0.07
Inhalation rate	10 0.14	11 0.08	26 -0.01	26 0.00
Soil ingestion	14 0.10	17 0.05	5 0.31	11 0.14
Thickness of Unsaturated zone 2	4 -0.35	6 -0.22	2 -0.68	6 -0.41
Kd of U-234 in Contaminated Zone	25 -0.01	25 -0.01	22 -0.02	19 -0.04
Kd of U-234 in Unsaturated Zone 1	7 0.18	1 0.82	8 -0.20	3 -0.47
Kd of U-234 in Unsaturated Zone 2	23 0.03	21 0.04	12 -0.18	2 -0.55
Kd of U-234 in Saturated Zone	19 -0.05	15 -0.06	21 0.02	17 0.06
Kd of U-235 in Contaminated Zone	21 -0.05	20 -0.04	16 -0.07	12 -0.12
Kd of U-235 in Unsaturated Zone 1	6 -0.20	3 -0.61	10 0.19	8 0.31
Kd of U-235 in Unsaturated Zone 2	22 0.05	19 0.05	7 0.21	4 0.45
Kd of U-235 in Saturated Zone	15 -0.09	12 -0.07	24 0.01	23 0.02
Kd of U-238 in Contaminated Zone	17 -0.05	14 -0.06	19 0.04	15 0.07
Kd of U-238 in Unsaturated Zone 1	9 -0.15	4 -0.45	9 0.20	9 0.30
Kd of U-238 in Unsaturated Zone 2	11 -0.11	10 -0.10	11 0.19	7 0.36
Kd of U-238 in Saturated Zone	8 0.15	9 0.14	20 -0.02	18 -0.04
Thickness of contaminated zone	1 0.78	2 0.72	1 0.79	1 0.57
Aquatic food	16 -0.08	18 -0.05	17 0.06	21 0.03
Depth of soil mixing layer	26 0.00	26 0.00	18 0.05	22 0.02
Mass loading for inhalation	18 0.05	22 0.03	25 -0.01	25 0.00
Indoor time fraction	20 0.05	23 0.03	23 0.01	24 0.01
R-SQUARE	0.72	0.72	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 Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	11 0.16	16 0.08	18 -0.10	21 -0.05
Thickness of Unsaturated zone 1	14 0.11	19 0.06	5 -0.33	13 -0.17
Runoff coefficient	3 -0.55	5 -0.34	2 -0.67	1 -0.46
Wind Speed	5 0.30	11 0.17	6 0.28	15 0.14
Well pump intake depth	4 -0.51	7 -0.30	4 -0.34	12 -0.17
External gamma shielding factor	24 -0.04	23 -0.02	12 -0.12	17 -0.06
Inhalation rate	25 0.03	26 0.01	14 0.11	18 0.06
Soil ingestion	23 -0.04	24 -0.02	22 0.03	24 0.02
Thickness of Unsaturated zone 2	2 -0.63	3 -0.43	3 -0.63	3 -0.42
Kd of U-234 in Contaminated Zone	10 -0.18	6 -0.34	10 0.13	4 0.36
Kd of U-234 in Unsaturated Zone 1	9 -0.18	2 -0.53	8 0.13	5 0.36
Kd of U-234 in Unsaturated Zone 2	20 0.08	13 0.10	9 0.13	6 0.33
Kd of U-234 in Saturated Zone	17 0.09	15 0.08	25 -0.01	22 -0.04
Kd of U-235 in Contaminated Zone	13 0.13	10 0.17	15 -0.11	10 -0.20
Kd of U-235 in Unsaturated Zone 1	12 0.15	8 0.29	7 -0.14	7 -0.24
Kd of U-235 in Unsaturated Zone 2	19 -0.08	14 -0.09	11 -0.12	9 -0.20
Kd of U-235 in Saturated Zone	15 -0.11	17 -0.08	23 0.03	19 0.05
Kd of U-238 in Contaminated Zone	8 0.19	9 0.25	13 -0.12	8 -0.23
Kd of U-238 in Unsaturated Zone 1	7 0.20	4 0.39	19 -0.08	14 -0.15
Kd of U-238 in Unsaturated Zone 2	26 -0.02	25 -0.02	16 -0.10	11 -0.18
Kd of U-238 in Saturated Zone	16 0.10	18 0.08	20 0.06	16 0.11
Thickness of contaminated zone	1 0.77	1 0.61	1 0.68	2 0.46
Aquatic food	22 0.05	22 0.03	24 -0.02	25 -0.01
Depth of soil mixing layer	21 0.06	21 0.03	26 -0.01	26 -0.01
Mass loading for inhalation	18 0.09	20 0.04	17 0.10	20 0.05
Indoor time fraction	6 -0.23	12 -0.12	21 0.06	23 0.03
R-SQUARE	0.76	0.76	0.77	0.77

-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	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	6	-0.23	10	-0.13	10	-0.16	21	-0.06
Thickness of Unsaturated zone 1	7	-0.13	12	-0.07	6	-0.25	15	-0.10
Runoff coefficient	3	-0.45	3	-0.27	2	-0.76	3	-0.45
Wind Speed	11	-0.07	17	-0.04	23	0.05	25	0.02
Well pump intake depth	5	-0.36	6	-0.20	5	-0.43	6	-0.19
External gamma shielding factor	12	0.07	18	0.04	9	0.19	19	0.07
Inhalation rate	24	-0.01	25	-0.01	11	-0.16	20	-0.06
Soil ingestion	26	0.01	26	0.00	18	0.08	24	0.03
Thickness of Unsaturated zone 2	4	-0.44	4	-0.26	3	-0.76	2	-0.45
Kd of U-234 in Contaminated Zone	10	0.08	8	0.14	21	-0.07	8	-0.17
Kd of U-234 in Unsaturated Zone 1	15	-0.05	5	-0.22	20	-0.07	13	-0.12
Kd of U-234 in Unsaturated Zone 2	25	-0.01	23	-0.01	19	0.07	9	0.17
Kd of U-234 in Saturated Zone	19	-0.03	15	-0.05	17	-0.09	7	-0.18
Kd of U-235 in Contaminated Zone	14	-0.05	13	-0.06	24	0.03	22	0.06
Kd of U-235 in Unsaturated Zone 1	13	0.06	7	0.16	16	0.09	14	0.11
Kd of U-235 in Unsaturated Zone 2	23	0.02	22	0.02	15	-0.10	10	-0.16
Kd of U-235 in Saturated Zone	9	0.10	11	0.11	22	0.06	18	0.08
Kd of U-238 in Contaminated Zone	20	-0.02	19	-0.03	12	0.13	5	0.21
Kd of U-238 in Unsaturated Zone 1	16	0.04	9	0.13	14	0.11	12	0.13
Kd of U-238 in Unsaturated Zone 2	21	-0.02	21	-0.02	25	-0.02	23	-0.04
Kd of U-238 in Saturated Zone	18	-0.03	16	-0.04	13	0.11	11	0.15
Thickness of contaminated zone	1	0.74	1	0.60	1	0.81	1	0.53
Aquatic food	2	0.54	2	0.34	4	0.57	4	0.27
Depth of soil mixing layer	22	-0.02	24	-0.01	26	-0.01	26	0.00
Mass loading for inhalation	17	-0.03	20	-0.02	8	-0.23	17	-0.09
Indoor time fraction	8	0.12	14	0.06	7	0.24	16	0.09
R-SQUARE	0.73		0.73		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 Fish Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	13 0.07	17 0.04	14 0.16	18 0.07
Thickness of Unsaturated zone 1	10 -0.13	14 -0.07	13 -0.20	17 -0.09
Runoff coefficient	3 -0.41	5 -0.25	3 -0.67	8 -0.41
Wind Speed	18 -0.03	21 -0.02	22 0.04	24 0.02
Well pump intake depth	4 -0.34	6 -0.20	10 -0.22	15 -0.10
External gamma shielding factor	24 0.00	24 0.00	15 -0.13	20 -0.05
Inhalation rate	26 0.00	26 0.00	19 -0.07	23 -0.03
Soil ingestion	16 0.05	20 0.03	8 0.28	14 0.12
Thickness of Unsaturated zone 2	5 -0.27	8 -0.16	2 -0.71	7 -0.43
Kd of U-234 in Contaminated Zone	7 0.22	2 0.33	18 -0.10	11 -0.24
Kd of U-234 in Unsaturated Zone 1	19 0.03	9 0.14	5 -0.29	1 -0.69
Kd of U-234 in Unsaturated Zone 2	20 -0.03	19 -0.03	11 -0.21	2 -0.64
Kd of U-234 in Saturated Zone	22 -0.01	22 -0.01	21 0.05	13 0.14
Kd of U-235 in Contaminated Zone	8 -0.18	7 -0.17	24 0.03	21 0.05
Kd of U-235 in Unsaturated Zone 1	17 -0.04	10 -0.13	6 0.28	5 0.47
Kd of U-235 in Unsaturated Zone 2	23 0.01	23 0.01	9 0.23	4 0.49
Kd of U-235 in Saturated Zone	15 -0.07	16 -0.05	23 -0.03	19 -0.06
Kd of U-238 in Contaminated Zone	6 -0.23	4 -0.26	16 0.11	12 0.18
Kd of U-238 in Unsaturated Zone 1	21 -0.03	13 -0.08	7 0.28	6 0.44
Kd of U-238 in Unsaturated Zone 2	25 0.00	25 0.00	12 0.21	9 0.40
Kd of U-238 in Saturated Zone	11 0.11	11 0.11	20 -0.05	16 -0.09
Thickness of contaminated zone	1 0.74	1 0.63	1 0.77	3 0.52
Aquatic food	2 0.50	3 0.32	4 0.52	10 0.27
Depth of soil mixing layer	12 0.11	15 0.06	17 0.10	22 0.04
Mass loading for inhalation	9 -0.16	12 -0.09	26 -0.01	26 0.00
Indoor time fraction	14 0.07	18 0.04	25 -0.03	25 -0.01
R-SQUARE	0.72	0.72	0.83	0.83

-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 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	6	0.19	12	0.11	14	-0.13	21	-0.06
Thickness of Unsaturated zone 1	24	0.02	25	0.01	5	-0.30	15	-0.16
Runoff coefficient	4	-0.50	5	-0.33	1	-0.66	2	-0.46
Wind Speed	14	0.09	16	0.05	7	0.19	19	0.10
Well pump intake depth	5	-0.40	7	-0.25	6	-0.25	17	-0.13
External gamma shielding factor	13	-0.09	15	-0.05	20	-0.08	23	-0.04
Inhalation rate	22	-0.02	24	-0.01	10	0.15	20	0.08
Soil ingestion	20	-0.04	23	-0.02	24	-0.05	24	-0.03
Thickness of Unsaturated zone 2	2	-0.53	3	-0.38	2	-0.66	3	-0.46
Kd of U-234 in Contaminated Zone	9	-0.14	6	-0.29	8	0.17	1	0.48
Kd of U-234 in Unsaturated Zone 1	10	-0.12	2	-0.39	13	0.13	5	0.36
Kd of U-234 in Unsaturated Zone 2	25	0.02	20	0.02	15	0.10	9	0.25
Kd of U-234 in Saturated Zone	23	0.02	21	0.02	23	-0.06	13	-0.16
Kd of U-235 in Contaminated Zone	12	0.10	11	0.14	11	-0.15	7	-0.28
Kd of U-235 in Unsaturated Zone 1	16	0.07	10	0.17	12	-0.14	8	-0.25
Kd of U-235 in Unsaturated Zone 2	18	-0.04	18	-0.05	22	-0.07	18	-0.12
Kd of U-235 in Saturated Zone	17	-0.07	17	-0.05	21	0.08	16	0.14
Kd of U-238 in Contaminated Zone	8	0.17	9	0.25	9	-0.16	6	-0.31
Kd of U-238 in Unsaturated Zone 1	11	0.12	8	0.25	18	-0.09	12	-0.16
Kd of U-238 in Unsaturated Zone 2	21	0.03	19	0.03	16	-0.09	11	-0.17
Kd of U-238 in Saturated Zone	15	0.08	14	0.07	17	0.09	14	0.16
Thickness of contaminated zone	1	0.66	1	0.50	3	0.63	4	0.41
Aquatic food	3	0.52	4	0.35	4	0.42	10	0.24
Depth of soil mixing layer	26	0.01	26	0.01	25	-0.02	25	-0.01
Mass loading for inhalation	19	0.04	22	0.02	19	0.08	22	0.04
Indoor time fraction	7	-0.19	13	-0.11	26	0.01	26	0.00
R-SQUARE	0.69		0.69		0.76		0.76	

-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
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00
Kd of U-234 in Contaminated Zone	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of U-234 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of U-234 in Saturated Zone	0	0.00	0	0.00
Kd of U-235 in Contaminated Zone	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of U-235 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of U-235 in Saturated Zone	0	0.00	0	0.00
Kd of U-238 in Contaminated Zone	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of U-238 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of U-238 in Saturated Zone	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00
Indoor time fraction	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	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	-0.12	10	-0.06	10	-0.13	19	-0.05
Thickness of Unsaturated zone 1	6	-0.21	7	-0.11	5	-0.24	11	-0.10
Runoff coefficient	2	-0.53	2	-0.31	2	-0.75	2	-0.47
Wind Speed	10	-0.09	13	-0.04	24	0.03	25	0.01
Well pump intake depth	3	-0.50	3	-0.29	4	-0.48	4	-0.23
External gamma shielding factor	5	0.24	5	0.13	7	0.19	12	0.08
Inhalation rate	9	-0.09	12	-0.05	8	-0.17	14	-0.07
Soil ingestion	15	0.03	22	0.01	18	0.06	23	0.02
Thickness of Unsaturated zone 2	4	-0.45	4	-0.26	3	-0.72	3	-0.43
Kd of U-234 in Contaminated Zone	11	0.07	6	0.12	17	-0.07	8	-0.18
Kd of U-234 in Unsaturated Zone 1	25	0.00	20	0.02	26	0.00	26	0.00
Kd of U-234 in Unsaturated Zone 2	12	-0.06	9	-0.07	14	0.07	7	0.18
Kd of U-234 in Saturated Zone	19	-0.02	16	-0.03	15	-0.07	9	-0.16
Kd of U-235 in Contaminated Zone	8	-0.10	8	-0.11	22	0.03	18	0.05
Kd of U-235 in Unsaturated Zone 1	17	-0.02	11	-0.06	25	0.02	22	0.02
Kd of U-235 in Unsaturated Zone 2	18	0.02	17	0.02	12	-0.11	6	-0.19
Kd of U-235 in Saturated Zone	16	0.02	15	0.03	20	0.05	17	0.07
Kd of U-238 in Contaminated Zone	23	0.01	24	0.01	11	0.12	5	0.22
Kd of U-238 in Unsaturated Zone 1	24	-0.01	19	-0.02	19	0.05	15	0.07
Kd of U-238 in Unsaturated Zone 2	21	0.01	23	0.01	23	-0.03	20	-0.04
Kd of U-238 in Saturated Zone	20	-0.01	18	-0.02	13	0.10	10	0.15
Thickness of contaminated zone	1	0.79	1	0.65	1	0.81	1	0.57
Aquatic food	26	0.00	26	0.00	16	0.07	21	0.03
Depth of soil mixing layer	14	0.03	21	0.02	21	0.03	24	0.01
Mass loading for inhalation	22	-0.01	25	0.00	9	-0.16	16	-0.07
Indoor time fraction	13	0.06	14	0.03	6	0.19	13	0.08
R-SQUARE	0.76		0.76		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 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
Depth of roots	13 0.10	16 0.06	14 0.15	16 0.07
Thickness of Unsaturated zone 1	5 -0.26	8 -0.15	6 -0.23	13 -0.10
Runoff coefficient	3 -0.36	7 -0.21	3 -0.67	5 -0.42
Wind Speed	12 -0.10	13 -0.06	15 0.09	20 0.04
Well pump intake depth	2 -0.48	5 -0.31	4 -0.31	10 -0.15
External gamma shielding factor	24 -0.03	24 -0.01	13 -0.16	14 -0.07
Inhalation rate	10 0.14	11 0.08	26 -0.01	26 0.00
Soil ingestion	14 0.10	17 0.05	5 0.31	11 0.14
Thickness of Unsaturated zone 2	4 -0.35	6 -0.22	2 -0.68	6 -0.41
Kd of U-234 in Contaminated Zone	25 -0.01	25 -0.01	22 -0.02	19 -0.04
Kd of U-234 in Unsaturated Zone 1	7 0.18	1 0.82	8 -0.20	3 -0.47
Kd of U-234 in Unsaturated Zone 2	23 0.03	21 0.04	12 -0.18	2 -0.55
Kd of U-234 in Saturated Zone	19 -0.05	15 -0.06	21 0.02	17 0.06
Kd of U-235 in Contaminated Zone	21 -0.05	20 -0.04	16 -0.07	12 -0.12
Kd of U-235 in Unsaturated Zone 1	6 -0.20	3 -0.61	10 0.19	8 0.31
Kd of U-235 in Unsaturated Zone 2	22 0.05	19 0.05	7 0.21	4 0.45
Kd of U-235 in Saturated Zone	15 -0.09	12 -0.07	24 0.01	23 0.02
Kd of U-238 in Contaminated Zone	17 -0.05	14 -0.06	19 0.04	15 0.07
Kd of U-238 in Unsaturated Zone 1	9 -0.15	4 -0.45	9 0.20	9 0.30
Kd of U-238 in Unsaturated Zone 2	11 -0.11	10 -0.10	11 0.19	7 0.36
Kd of U-238 in Saturated Zone	8 0.15	9 0.14	20 -0.02	18 -0.04
Thickness of contaminated zone	1 0.78	2 0.72	1 0.79	1 0.57
Aquatic food	16 -0.08	18 -0.05	17 0.06	21 0.03
Depth of soil mixing layer	26 0.00	26 0.00	18 0.05	22 0.02
Mass loading for inhalation	18 0.05	22 0.03	25 -0.01	25 0.00
Indoor time fraction	20 0.05	23 0.03	23 0.01	24 0.01
R-SQUARE	0.72	0.72	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 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
Depth of roots	11 0.16	16 0.08	18 -0.10	21 -0.05
Thickness of Unsaturated zone 1	14 0.11	19 0.06	5 -0.33	13 -0.17
Runoff coefficient	3 -0.55	5 -0.34	2 -0.67	1 -0.46
Wind Speed	5 0.30	11 0.17	6 0.28	15 0.14
Well pump intake depth	4 -0.51	7 -0.30	4 -0.34	12 -0.17
External gamma shielding factor	24 -0.04	24 -0.02	12 -0.12	17 -0.06
Inhalation rate	25 0.03	26 0.01	14 0.11	18 0.06
Soil ingestion	23 -0.04	23 -0.02	22 0.03	24 0.02
Thickness of Unsaturated zone 2	2 -0.63	3 -0.43	3 -0.63	3 -0.42
Kd of U-234 in Contaminated Zone	10 -0.18	6 -0.34	10 0.13	4 0.36
Kd of U-234 in Unsaturated Zone 1	9 -0.18	2 -0.53	8 0.13	5 0.36
Kd of U-234 in Unsaturated Zone 2	20 0.08	13 0.10	9 0.13	6 0.33
Kd of U-234 in Saturated Zone	17 0.09	15 0.08	25 -0.01	22 -0.04
Kd of U-235 in Contaminated Zone	13 0.13	10 0.17	15 -0.11	10 -0.20
Kd of U-235 in Unsaturated Zone 1	12 0.15	8 0.29	7 -0.14	7 -0.24
Kd of U-235 in Unsaturated Zone 2	19 -0.09	14 -0.09	11 -0.12	9 -0.20
Kd of U-235 in Saturated Zone	15 -0.11	17 -0.08	23 0.03	19 0.05
Kd of U-238 in Contaminated Zone	8 0.19	9 0.25	13 -0.12	8 -0.23
Kd of U-238 in Unsaturated Zone 1	7 0.20	4 0.39	19 -0.08	14 -0.15
Kd of U-238 in Unsaturated Zone 2	26 -0.02	25 -0.02	16 -0.10	11 -0.18
Kd of U-238 in Saturated Zone	16 0.10	18 0.08	20 0.06	16 0.11
Thickness of contaminated zone	1 0.77	1 0.61	1 0.68	2 0.46
Aquatic food	22 0.05	22 0.03	24 -0.02	25 -0.01
Depth of soil mixing layer	21 0.06	21 0.03	26 -0.01	26 -0.01
Mass loading for inhalation	18 0.09	20 0.04	17 0.10	20 0.05
Indoor time fraction	6 -0.23	12 -0.12	21 0.06	23 0.03
R-SQUARE	0.76	0.76	0.77	0.77

-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 1	SRC 1	PRCC 1	SRRC 1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	7 -0.12	11 -0.06	10 -0.13	20 -0.06
Thickness of Unsaturated zone 1	6 -0.22	7 -0.12	5 -0.27	13 -0.12
Runoff coefficient	2 -0.53	2 -0.33	2 -0.76	2 -0.50
Wind Speed	11 -0.06	15 -0.03	16 0.08	23 0.03
Well pump intake depth	3 -0.48	3 -0.29	4 -0.46	6 -0.23
External gamma shielding factor	5 0.24	5 0.13	6 0.21	14 0.09
Inhalation rate	12 -0.05	16 -0.03	8 -0.17	16 -0.08
Soil ingestion	20 0.02	24 0.01	23 0.04	25 0.02
Thickness of Unsaturated zone 2	4 -0.43	4 -0.25	3 -0.71	3 -0.44
Kd of U-234 in Contaminated Zone	10 0.07	6 0.13	14 -0.09	4 -0.25
Kd of U-234 in Unsaturated Zone 1	23 0.01	12 0.06	24 -0.04	17 -0.07
Kd of U-234 in Unsaturated Zone 2	9 -0.08	9 -0.10	17 0.07	8 0.19
Kd of U-234 in Saturated Zone	22 -0.01	17 -0.03	18 -0.07	10 -0.16
Kd of U-235 in Contaminated Zone	8 -0.09	8 -0.10	19 0.07	11 0.13
Kd of U-235 in Unsaturated Zone 1	16 -0.03	10 -0.09	21 0.05	19 0.07
Kd of U-235 in Unsaturated Zone 2	15 0.03	14 0.03	11 -0.11	7 -0.20
Kd of U-235 in Saturated Zone	17 0.02	18 0.02	22 0.05	18 0.07
Kd of U-238 in Contaminated Zone	25 0.00	25 0.01	9 0.14	5 0.25
Kd of U-238 in Unsaturated Zone 1	19 -0.02	13 -0.05	15 0.09	12 0.12
Kd of U-238 in Unsaturated Zone 2	21 0.02	22 0.01	25 -0.03	21 -0.05
Kd of U-238 in Saturated Zone	24 -0.01	21 -0.02	13 0.11	9 0.16
Thickness of contaminated zone	1 0.76	1 0.63	1 0.78	1 0.53
Aquatic food	26 0.00	26 0.00	20 0.07	24 0.03
Depth of soil mixing layer	14 0.03	20 0.02	26 0.01	26 0.00
Mass loading for inhalation	18 0.02	23 0.01	12 -0.11	22 -0.05
Indoor time fraction	13 0.04	19 0.02	7 0.21	15 0.09
R-SQUARE	0.74	0.74	0.83	0.83

-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
Depth of roots	15	0.09	19	0.05	14	0.13	18	0.06
Thickness of Unsaturated zone 1	5	-0.25	9	-0.14	6	-0.24	13	-0.11
Runoff coefficient	3	-0.37	7	-0.22	3	-0.68	5	-0.43
Wind Speed	11	-0.11	14	-0.07	15	0.09	20	0.04
Well pump intake depth	2	-0.47	5	-0.31	5	-0.29	11	-0.14
External gamma shielding factor	24	-0.01	24	-0.01	13	-0.16	15	-0.07
Inhalation rate	10	0.14	11	0.08	23	-0.02	24	-0.01
Soil ingestion	14	0.09	18	0.05	4	0.32	10	0.15
Thickness of Unsaturated zone 2	4	-0.36	6	-0.23	2	-0.69	6	-0.42
Kd of U-234 in Contaminated Zone	26	0.00	26	0.00	24	-0.02	17	-0.06
Kd of U-234 in Unsaturated Zone 1	7	0.20	1	0.95	9	-0.20	3	-0.49
Kd of U-234 in Unsaturated Zone 2	23	0.03	21	0.04	11	-0.18	1	-0.55
Kd of U-234 in Saturated Zone	18	-0.06	13	-0.07	21	0.03	14	0.08
Kd of U-235 in Contaminated Zone	20	-0.05	20	-0.04	17	-0.06	12	-0.11
Kd of U-235 in Unsaturated Zone 1	6	-0.22	3	-0.69	10	0.19	8	0.32
Kd of U-235 in Unsaturated Zone 2	19	0.06	16	0.06	7	0.22	4	0.47
Kd of U-235 in Saturated Zone	16	-0.08	15	-0.06	26	0.00	25	0.01
Kd of U-238 in Contaminated Zone	17	-0.06	12	-0.07	19	0.04	16	0.06
Kd of U-238 in Unsaturated Zone 1	8	-0.17	4	-0.53	8	0.20	9	0.32
Kd of U-238 in Unsaturated Zone 2	12	-0.11	10	-0.10	12	0.18	7	0.35
Kd of U-238 in Saturated Zone	9	0.16	8	0.16	22	-0.02	19	-0.05
Thickness of contaminated zone	1	0.77	2	0.70	1	0.78	2	0.55
Aquatic food	13	-0.09	17	-0.05	16	0.07	21	0.03
Depth of soil mixing layer	25	0.00	25	0.00	18	0.05	22	0.02
Mass loading for inhalation	22	0.03	23	0.02	20	-0.03	23	-0.01
Indoor time fraction	21	0.04	22	0.02	25	-0.01	26	0.00
R-SQUARE	0.71		0.71		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 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
Depth of roots	11 0.17	15 0.09	17 -0.10	19 -0.05
Thickness of Unsaturated zone 1	14 0.11	19 0.06	4 -0.33	12 -0.17
Runoff coefficient	3 -0.56	5 -0.36	1 -0.68	1 -0.49
Wind Speed	5 0.29	10 0.16	6 0.28	14 0.15
Well pump intake depth	4 -0.50	7 -0.29	5 -0.30	13 -0.16
External gamma shielding factor	24 -0.03	24 -0.02	13 -0.12	18 -0.06
Inhalation rate	26 0.02	26 0.01	19 0.07	20 0.03
Soil ingestion	23 -0.05	23 -0.03	22 0.02	22 0.01
Thickness of Unsaturated zone 2	2 -0.62	3 -0.43	2 -0.64	2 -0.44
Kd of U-234 in Contaminated Zone	9 -0.18	6 -0.35	10 0.12	5 0.35
Kd of U-234 in Unsaturated Zone 1	10 -0.17	2 -0.52	11 0.12	6 0.34
Kd of U-234 in Unsaturated Zone 2	21 0.07	13 0.09	8 0.14	4 0.35
Kd of U-234 in Saturated Zone	18 0.08	18 0.07	26 0.00	25 0.00
Kd of U-235 in Contaminated Zone	13 0.12	11 0.16	15 -0.11	10 -0.20
Kd of U-235 in Unsaturated Zone 1	12 0.14	8 0.29	12 -0.12	8 -0.22
Kd of U-235 in Unsaturated Zone 2	17 -0.08	14 -0.09	7 -0.14	7 -0.24
Kd of U-235 in Saturated Zone	16 -0.11	17 -0.08	24 0.00	24 0.00
Kd of U-238 in Contaminated Zone	7 0.19	9 0.26	14 -0.11	9 -0.21
Kd of U-238 in Unsaturated Zone 1	8 0.19	4 0.38	18 -0.07	15 -0.13
Kd of U-238 in Unsaturated Zone 2	25 -0.02	25 -0.02	16 -0.10	11 -0.18
Kd of U-238 in Saturated Zone	15 0.11	16 0.08	20 0.05	16 0.09
Thickness of contaminated zone	1 0.75	1 0.59	3 0.63	3 0.41
Aquatic food	22 0.07	22 0.04	25 0.00	26 0.00
Depth of soil mixing layer	19 0.08	20 0.04	23 -0.02	23 -0.01
Mass loading for inhalation	20 0.07	21 0.04	9 0.13	17 0.07
Indoor time fraction	6 -0.23	12 -0.12	21 0.05	21 0.02
R-SQUARE	0.75	0.75	0.76	0.76

-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	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.08	14	-0.04	12	-0.10	20	-0.04
Thickness of Unsaturated zone 1	6	-0.22	6	-0.12	5	-0.28	12	-0.11
Runoff coefficient	2	-0.58	2	-0.35	2	-0.80	2	-0.50
Wind Speed	7	-0.14	11	-0.07	25	-0.02	25	-0.01
Well pump intake depth	3	-0.50	3	-0.28	4	-0.50	4	-0.22
External gamma shielding factor	5	0.24	5	0.13	8	0.17	17	0.07
Inhalation rate	13	-0.04	16	-0.02	7	-0.18	16	-0.07
Soil ingestion	26	0.00	26	0.00	17	0.07	24	0.03
Thickness of Unsaturated zone 2	4	-0.49	4	-0.28	3	-0.76	3	-0.45
Kd of U-234 in Contaminated Zone	11	0.07	7	0.11	18	-0.06	7	-0.15
Kd of U-234 in Unsaturated Zone 1	18	-0.02	12	-0.06	21	-0.04	13	-0.08
Kd of U-234 in Unsaturated Zone 2	10	-0.07	10	-0.08	20	0.06	9	0.13
Kd of U-234 in Saturated Zone	12	-0.06	9	-0.09	16	-0.08	6	-0.16
Kd of U-235 in Contaminated Zone	8	-0.08	8	-0.09	24	0.02	21	0.03
Kd of U-235 in Unsaturated Zone 1	22	0.01	20	0.02	19	0.06	15	0.07
Kd of U-235 in Unsaturated Zone 2	16	0.03	15	0.03	13	-0.10	8	-0.15
Kd of U-235 in Saturated Zone	15	0.04	13	0.04	22	0.04	19	0.05
Kd of U-238 in Contaminated Zone	24	0.01	23	0.01	10	0.11	5	0.18
Kd of U-238 in Unsaturated Zone 1	23	0.01	19	0.02	11	0.10	11	0.12
Kd of U-238 in Unsaturated Zone 2	19	0.01	21	0.01	23	-0.02	22	-0.03
Kd of U-238 in Saturated Zone	20	0.01	18	0.02	14	0.09	10	0.13
Thickness of contaminated zone	1	0.79	1	0.64	1	0.83	1	0.56
Aquatic food	25	0.00	25	0.00	15	0.08	23	0.03
Depth of soil mixing layer	14	-0.04	17	-0.02	26	0.00	26	0.00
Mass loading for inhalation	21	-0.01	24	0.00	9	-0.16	18	-0.06
Indoor time fraction	17	0.02	22	0.01	6	0.19	14	0.07
R-SQUARE		0.77		0.77		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 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
Depth of roots	11 0.12	12 0.07	13 0.17	16 0.07
Thickness of Unsaturated zone 1	5 -0.25	8 -0.13	6 -0.25	13 -0.10
Runoff coefficient	3 -0.44	6 -0.26	3 -0.72	4 -0.44
Wind Speed	16 -0.05	21 -0.03	15 0.09	20 0.03
Well pump intake depth	2 -0.48	5 -0.30	4 -0.34	10 -0.15
External gamma shielding factor	26 0.01	26 0.00	14 -0.17	19 -0.07
Inhalation rate	9 0.14	11 0.08	23 -0.03	23 -0.01
Soil ingestion	12 0.11	14 0.06	5 0.29	11 0.12
Thickness of Unsaturated zone 2	4 -0.42	7 -0.25	2 -0.73	5 -0.43
Kd of U-234 in Contaminated Zone	20 -0.04	15 -0.05	22 -0.03	17 -0.07
Kd of U-234 in Unsaturated Zone 1	7 0.21	1 0.92	8 -0.20	3 -0.44
Kd of U-234 in Unsaturated Zone 2	21 0.03	20 0.03	12 -0.19	2 -0.53
Kd of U-234 in Saturated Zone	19 -0.05	17 -0.05	21 0.03	14 0.09
Kd of U-235 in Contaminated Zone	23 -0.03	22 -0.02	17 -0.07	12 -0.11
Kd of U-235 in Unsaturated Zone 1	6 -0.23	3 -0.68	11 0.19	8 0.29
Kd of U-235 in Unsaturated Zone 2	17 0.05	18 0.05	7 0.21	6 0.42
Kd of U-235 in Saturated Zone	15 -0.07	13 -0.06	25 0.00	24 -0.01
Kd of U-238 in Contaminated Zone	18 -0.05	16 -0.05	19 0.05	15 0.07
Kd of U-238 in Unsaturated Zone 1	8 -0.18	4 -0.54	9 0.20	9 0.29
Kd of U-238 in Unsaturated Zone 2	13 -0.09	10 -0.08	10 0.20	7 0.35
Kd of U-238 in Saturated Zone	10 0.14	9 0.13	20 -0.04	18 -0.07
Thickness of contaminated zone	1 0.80	2 0.72	1 0.81	1 0.57
Aquatic food	14 -0.08	19 -0.04	16 0.07	21 0.03
Depth of soil mixing layer	22 0.03	23 0.02	18 0.05	22 0.02
Mass loading for inhalation	25 0.02	25 0.01	24 -0.01	25 -0.01
Indoor time fraction	24 0.02	24 0.01	26 0.00	26 0.00
R-SQUARE	0.74	0.74	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 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
Depth of roots	8 0.19	14 0.10	19 -0.06	21 -0.03
Thickness of Unsaturated zone 1	12 0.15	18 0.07	4 -0.36	11 -0.18
Runoff coefficient	3 -0.62	4 -0.39	1 -0.72	1 -0.49
Wind Speed	6 0.23	12 0.12	6 0.27	15 0.13
Well pump intake depth	4 -0.52	7 -0.29	5 -0.35	13 -0.17
External gamma shielding factor	22 -0.08	23 -0.04	9 -0.13	17 -0.06
Inhalation rate	26 0.02	26 0.01	12 0.12	18 0.06
Soil ingestion	25 -0.03	25 -0.01	24 0.01	25 0.00
Thickness of Unsaturated zone 2	2 -0.66	2 -0.46	3 -0.68	3 -0.45
Kd of U-234 in Contaminated Zone	9 -0.18	5 -0.32	10 0.13	5 0.32
Kd of U-234 in Unsaturated Zone 1	11 -0.15	3 -0.43	7 0.17	4 0.43
Kd of U-234 in Unsaturated Zone 2	21 0.08	15 0.09	13 0.12	6 0.29
Kd of U-234 in Saturated Zone	14 0.11	13 0.10	25 -0.01	22 -0.02
Kd of U-235 in Contaminated Zone	16 0.11	10 0.14	16 -0.11	10 -0.19
Kd of U-235 in Unsaturated Zone 1	15 0.11	9 0.21	8 -0.17	7 -0.28
Kd of U-235 in Unsaturated Zone 2	20 -0.08	16 -0.08	15 -0.11	12 -0.17
Kd of U-235 in Saturated Zone	13 -0.12	17 -0.08	22 0.03	20 0.04
Kd of U-238 in Contaminated Zone	7 0.20	8 0.24	14 -0.12	9 -0.21
Kd of U-238 in Unsaturated Zone 1	10 0.17	6 0.32	11 -0.13	8 -0.22
Kd of U-238 in Unsaturated Zone 2	24 -0.03	24 -0.02	18 -0.10	14 -0.16
Kd of U-238 in Saturated Zone	23 0.07	19 0.05	20 0.05	16 0.08
Thickness of contaminated zone	1 0.77	1 0.58	2 0.70	2 0.46
Aquatic food	18 0.09	21 0.05	26 0.00	26 0.00
Depth of soil mixing layer	17 0.10	20 0.05	23 -0.01	24 -0.01
Mass loading for inhalation	19 0.08	22 0.04	17 0.11	19 0.05
Indoor time fraction	5 -0.25	11 -0.13	21 0.03	23 0.01
R-SQUARE	0.78	0.78	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 U-234 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1	1	1	1	1	1	1	1
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.76	5	-0.41	3	-0.75	3	-0.36
Thickness of Unsaturated zone 1	25	-0.01	26	0.00	13	-0.07	20	-0.02
Runoff coefficient	23	0.03	25	0.01	9	0.09	17	0.03
Wind Speed	12	-0.16	13	-0.06	15	-0.05	22	-0.02
Well pump intake depth	16	-0.12	17	-0.04	17	-0.05	23	-0.02
External gamma shielding factor	10	0.19	11	0.07	6	0.13	13	0.04
Inhalation rate	17	0.11	18	0.04	7	0.11	16	0.04
Soil ingestion	15	0.13	16	0.04	5	0.15	12	0.05
Thickness of Unsaturated zone 2	19	-0.05	22	-0.02	23	-0.02	26	-0.01
Kd of U-234 in Contaminated Zone	8	0.23	7	0.27	18	-0.05	7	-0.10
Kd of U-234 in Unsaturated Zone 1	5	0.30	1	0.89	20	0.04	9	0.06
Kd of U-234 in Unsaturated Zone 2	20	-0.04	19	-0.03	12	0.07	4	0.13
Kd of U-234 in Saturated Zone	26	0.01	24	0.01	24	-0.01	21	-0.02
Kd of U-235 in Contaminated Zone	14	-0.13	10	-0.10	19	0.04	11	0.05
Kd of U-235 in Unsaturated Zone 1	7	-0.29	4	-0.55	26	-0.01	25	-0.01
Kd of U-235 in Unsaturated Zone 2	22	-0.03	21	-0.02	8	-0.09	5	-0.12
Kd of U-235 in Saturated Zone	24	0.02	23	0.01	16	0.05	10	0.06
Kd of U-238 in Contaminated Zone	9	-0.23	8	-0.20	14	0.06	8	0.08
Kd of U-238 in Unsaturated Zone 1	6	-0.29	3	-0.59	21	-0.04	14	-0.04
Kd of U-238 in Unsaturated Zone 2	18	0.09	15	0.05	22	-0.03	15	-0.04
Kd of U-238 in Saturated Zone	21	-0.04	20	-0.03	25	-0.01	24	-0.01
Thickness of contaminated zone	1	0.89	2	0.67	1	0.92	1	0.75
Aquatic food	13	0.16	14	0.06	11	0.07	19	0.02
Depth of soil mixing layer	3	-0.68	6	-0.33	2	-0.76	2	-0.38
Mass loading for inhalation	11	0.19	12	0.07	10	0.09	18	0.03
Indoor time fraction	4	0.38	9	0.14	4	0.35	6	0.12
R-SQUARE		0.89		0.89		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
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.62	3	-0.36	3	-0.65	5	-0.28
Thickness of Unsaturated zone 1	26	0.00	26	0.00	24	-0.04	24	-0.01
Runoff coefficient	11	0.10	16	0.05	18	-0.10	21	-0.04
Wind Speed	12	-0.08	18	-0.04	16	-0.12	20	-0.04
Well pump intake depth	4	0.23	7	0.11	26	-0.01	26	0.00
External gamma shielding factor	10	0.12	13	0.05	15	0.12	19	0.04
Inhalation rate	24	0.03	25	0.01	25	0.02	25	0.01
Soil ingestion	6	0.19	10	0.09	6	0.18	17	0.06
Thickness of Unsaturated zone 2	14	-0.06	20	-0.03	19	-0.10	22	-0.03
Kd of U-234 in Contaminated Zone	8	-0.17	4	-0.20	20	-0.07	14	-0.14
Kd of U-234 in Unsaturated Zone 1	17	0.04	5	0.16	11	0.15	7	0.26
Kd of U-234 in Unsaturated Zone 2	20	-0.03	19	-0.03	13	-0.14	4	-0.32
Kd of U-234 in Saturated Zone	23	-0.03	21	-0.03	9	0.16	3	0.35
Kd of U-235 in Contaminated Zone	13	0.06	15	0.05	22	0.05	16	0.07
Kd of U-235 in Unsaturated Zone 1	18	-0.04	9	-0.10	14	-0.13	13	-0.16
Kd of U-235 in Unsaturated Zone 2	22	0.03	22	0.02	7	0.17	6	0.27
Kd of U-235 in Saturated Zone	7	0.18	6	0.12	8	-0.16	8	-0.24
Kd of U-238 in Contaminated Zone	16	0.06	14	0.05	23	0.04	18	0.05
Kd of U-238 in Unsaturated Zone 1	19	-0.03	11	-0.08	12	-0.14	11	-0.17
Kd of U-238 in Unsaturated Zone 2	25	-0.02	23	-0.02	17	0.11	12	0.16
Kd of U-238 in Saturated Zone	15	-0.06	17	-0.04	10	-0.15	9	-0.22
Thickness of contaminated zone	1	0.85	1	0.75	1	0.91	1	0.76
Aquatic food	21	-0.03	24	-0.01	21	-0.07	23	-0.02
Depth of soil mixing layer	3	-0.61	2	-0.36	2	-0.80	2	-0.45
Mass loading for inhalation	9	0.12	12	0.06	5	0.25	15	0.09
Indoor time fraction	5	0.23	8	0.10	4	0.45	10	0.17
R-SQUARE		0.82		0.82		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 U-234 Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	2 -0.67	2 -0.38	3 -0.74	4 -0.34
Thickness of Unsaturated zone 1	18 -0.04	21 -0.02	13 -0.08	18 -0.02
Runoff coefficient	9 -0.09	13 -0.04	11 -0.08	17 -0.03
Wind Speed	19 0.04	22 0.02	25 0.01	25 0.00
Well pump intake depth	23 0.03	24 0.01	16 0.07	21 0.02
External gamma shielding factor	11 0.07	17 0.03	23 -0.01	24 0.00
Inhalation rate	10 0.08	15 0.03	14 0.07	19 0.02
Soil ingestion	4 0.24	6 0.10	8 0.20	12 0.06
Thickness of Unsaturated zone 2	8 0.11	12 0.05	9 0.16	14 0.05
Kd of U-234 in Contaminated Zone	17 0.05	9 0.07	15 0.07	7 0.12
Kd of U-234 in Unsaturated Zone 1	16 -0.05	4 -0.11	21 0.02	15 0.04
Kd of U-234 in Unsaturated Zone 2	26 0.01	26 0.01	24 0.01	20 0.02
Kd of U-234 in Saturated Zone	7 0.11	8 0.08	6 -0.21	3 -0.37
Kd of U-235 in Contaminated Zone	12 -0.06	10 -0.07	10 -0.09	8 -0.10
Kd of U-235 in Unsaturated Zone 1	22 0.03	11 0.05	19 -0.05	13 -0.06
Kd of U-235 in Unsaturated Zone 2	21 -0.04	14 -0.03	22 -0.02	22 -0.02
Kd of U-235 in Saturated Zone	14 0.06	16 0.03	4 0.28	5 0.34
Kd of U-238 in Contaminated Zone	24 -0.02	23 -0.02	17 -0.06	11 -0.07
Kd of U-238 in Unsaturated Zone 1	25 0.01	25 0.01	12 -0.08	9 -0.09
Kd of U-238 in Unsaturated Zone 2	20 -0.04	19 -0.02	20 -0.03	16 -0.03
Kd of U-238 in Saturated Zone	6 -0.17	5 -0.10	7 0.21	6 0.25
Thickness of contaminated zone	1 0.87	1 0.71	1 0.92	1 0.75
Aquatic food	15 0.05	20 0.02	18 0.05	23 0.02
Depth of soil mixing layer	3 -0.66	3 -0.35	2 -0.79	2 -0.40
Mass loading for inhalation	13 0.06	18 0.02	26 0.00	26 0.00
Indoor time fraction	5 0.23	7 0.10	5 0.26	10 0.08
R-SQUARE	0.84	0.84	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 =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	0.12	11	0.05	20	-0.05	23	-0.01
Thickness of Unsaturated zone 1	22	0.02	25	0.01	15	0.07	21	0.02
Runoff coefficient	15	0.06	18	0.03	13	0.11	19	0.03
Wind Speed	13	-0.08	15	-0.03	19	-0.05	22	-0.02
Well pump intake depth	14	0.08	16	0.03	7	0.15	14	0.05
External gamma shielding factor	3	0.63	3	0.33	3	0.67	3	0.29
Inhalation rate	9	0.10	13	0.04	4	0.26	9	0.09
Soil ingestion	21	0.04	21	0.01	11	-0.13	17	-0.04
Thickness of Unsaturated zone 2	16	-0.06	19	-0.02	10	0.14	16	0.04
Kd of U-234 in Contaminated Zone	6	-0.14	6	-0.18	22	0.03	12	0.06
Kd of U-234 in Unsaturated Zone 1	12	0.09	4	0.31	6	0.18	4	0.26
Kd of U-234 in Unsaturated Zone 2	20	-0.04	14	-0.03	16	-0.06	7	-0.12
Kd of U-234 in Saturated Zone	25	-0.01	24	-0.01	21	0.04	13	0.06
Kd of U-235 in Contaminated Zone	5	0.14	7	0.13	23	-0.02	20	-0.03
Kd of U-235 in Unsaturated Zone 1	11	-0.09	5	-0.20	9	-0.14	6	-0.13
Kd of U-235 in Unsaturated Zone 2	19	0.04	17	0.03	17	0.06	10	0.08
Kd of U-235 in Saturated Zone	10	-0.10	9	-0.09	25	-0.01	24	-0.01
Kd of U-238 in Contaminated Zone	23	0.02	22	0.01	18	-0.06	11	-0.08
Kd of U-238 in Unsaturated Zone 1	18	-0.05	8	-0.11	5	-0.21	5	-0.21
Kd of U-238 in Unsaturated Zone 2	26	0.00	26	0.00	14	0.08	8	0.09
Kd of U-238 in Saturated Zone	24	-0.01	23	-0.01	26	0.01	25	0.01
Thickness of contaminated zone	2	0.72	2	0.43	2	0.84	2	0.48
Aquatic food	17	-0.06	20	-0.02	8	-0.14	15	-0.04
Depth of soil mixing layer	4	0.15	10	0.06	24	0.02	26	0.00
Mass loading for inhalation	8	-0.11	12	-0.05	12	0.11	18	0.03
Indoor time fraction	1	0.88	1	0.73	1	0.92	1	0.74
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 =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	17 -0.06	21 -0.02	13 -0.10	20 -0.03
Thickness of Unsaturated zone 1	6 -0.25	8 -0.10	10 -0.11	19 -0.03
Runoff coefficient	22 0.03	26 0.01	25 -0.01	26 0.00
Wind Speed	12 -0.12	15 -0.05	19 -0.04	22 -0.01
Well pump intake depth	13 0.10	17 0.04	9 0.14	16 0.05
External gamma shielding factor	3 0.65	3 0.33	3 0.72	4 0.31
Inhalation rate	11 0.13	14 0.05	11 0.11	18 0.03
Soil ingestion	19 -0.06	24 -0.02	24 0.01	25 0.00
Thickness of Unsaturated zone 2	8 -0.23	10 -0.09	4 -0.26	10 -0.08
Kd of U-234 in Contaminated Zone	14 -0.08	11 -0.08	21 -0.04	14 -0.07
Kd of U-234 in Unsaturated Zone 1	24 0.02	12 0.06	17 -0.06	9 -0.10
Kd of U-234 in Unsaturated Zone 2	4 0.29	4 0.25	7 -0.18	3 -0.38
Kd of U-234 in Saturated Zone	16 -0.07	13 -0.06	20 0.04	12 0.08
Kd of U-235 in Contaminated Zone	9 0.16	7 0.10	14 0.09	8 0.11
Kd of U-235 in Unsaturated Zone 1	25 -0.02	16 -0.04	16 0.07	11 0.08
Kd of U-235 in Unsaturated Zone 2	7 -0.24	5 -0.16	6 0.20	5 0.30
Kd of U-235 in Saturated Zone	21 0.04	23 0.02	26 0.00	24 0.00
Kd of U-238 in Contaminated Zone	23 0.03	25 0.02	22 0.04	17 0.04
Kd of U-238 in Unsaturated Zone 1	26 -0.02	18 -0.03	18 0.05	15 0.05
Kd of U-238 in Unsaturated Zone 2	10 -0.15	9 -0.09	8 0.17	6 0.23
Kd of U-238 in Saturated Zone	20 0.05	19 0.03	12 -0.10	7 -0.14
Thickness of contaminated zone	2 0.73	2 0.41	2 0.83	2 0.47
Aquatic food	15 -0.07	20 -0.03	15 -0.08	21 -0.02
Depth of soil mixing layer	18 0.06	22 0.02	23 -0.02	23 -0.01
Mass loading for inhalation	5 0.27	6 0.11	5 0.24	13 0.08
Indoor time fraction	1 0.89	1 0.74	1 0.92	1 0.74
R-SQUARE	0.87	0.87	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 =
 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
Depth of roots	25	0.01	26	0.00	11	-0.12	16	-0.04
Thickness of Unsaturated zone 1	24	0.01	24	0.00	19	-0.08	20	-0.03
Runoff coefficient	4	0.26	11	0.10	7	0.16	13	0.05
Wind Speed	10	0.16	14	0.06	8	0.13	15	0.04
Well pump intake depth	9	0.18	13	0.06	21	0.03	23	0.01
External gamma shielding factor	3	0.73	3	0.38	3	0.70	4	0.31
Inhalation rate	21	-0.07	22	-0.02	18	-0.08	19	-0.03
Soil ingestion	23	-0.01	23	0.00	4	-0.19	12	-0.06
Thickness of Unsaturated zone 2	16	-0.11	18	-0.04	9	-0.13	14	-0.04
Kd of U-234 in Contaminated Zone	5	-0.23	5	-0.31	6	-0.18	3	-0.32
Kd of U-234 in Unsaturated Zone 1	8	-0.18	4	-0.37	12	0.11	6	0.20
Kd of U-234 in Unsaturated Zone 2	17	0.09	12	0.08	26	0.00	26	0.00
Kd of U-234 in Saturated Zone	11	0.16	10	0.10	17	0.09	8	0.15
Kd of U-235 in Contaminated Zone	12	0.16	9	0.14	10	0.13	7	0.15
Kd of U-235 in Unsaturated Zone 1	7	0.21	6	0.29	14	-0.10	9	-0.12
Kd of U-235 in Unsaturated Zone 2	26	0.00	25	0.00	24	-0.01	22	-0.01
Kd of U-235 in Saturated Zone	19	0.08	19	0.04	16	-0.09	11	-0.10
Kd of U-238 in Contaminated Zone	6	0.22	7	0.20	5	0.18	5	0.22
Kd of U-238 in Unsaturated Zone 1	14	0.14	8	0.19	15	-0.10	10	-0.12
Kd of U-238 in Unsaturated Zone 2	18	-0.09	16	-0.05	25	-0.01	24	-0.01
Kd of U-238 in Saturated Zone	22	-0.07	20	-0.04	22	-0.03	18	-0.03
Thickness of contaminated zone	2	0.80	2	0.46	2	0.83	2	0.48
Aquatic food	15	0.13	17	0.05	13	0.11	17	0.04
Depth of soil mixing layer	13	0.15	15	0.05	23	-0.02	25	-0.01
Mass loading for inhalation	20	0.07	21	0.03	20	0.05	21	0.02
Indoor time fraction	1	0.91	1	0.75	1	0.93	1	0.78
R-SQUARE	0.89		0.89		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-238 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	-0.27	13	-0.12	10	-0.10	17	-0.03
Thickness of Unsaturated zone 1	9	-0.15	14	-0.06	8	-0.11	13	-0.03
Runoff coefficient	10	0.15	16	0.06	15	0.06	22	0.02
Wind Speed	6	-0.32	12	-0.13	6	-0.19	8	-0.06
Well pump intake depth	15	-0.11	17	-0.04	13	-0.08	19	-0.03
External gamma shielding factor	20	-0.02	23	-0.01	7	0.14	10	0.04
Inhalation rate	5	0.47	8	0.22	5	0.68	5	0.28
Soil ingestion	18	0.07	18	0.03	11	0.10	16	0.03
Thickness of Unsaturated zone 2	23	-0.01	26	0.00	9	-0.10	14	-0.03
Kd of U-234 in Contaminated Zone	22	0.02	19	0.02	16	0.05	7	0.09
Kd of U-234 in Unsaturated Zone 1	12	0.13	2	0.44	19	0.04	9	0.05
Kd of U-234 in Unsaturated Zone 2	24	-0.01	22	-0.01	26	0.01	25	0.02
Kd of U-234 in Saturated Zone	14	0.13	9	0.17	22	0.02	18	0.03
Kd of U-235 in Contaminated Zone	25	-0.01	24	-0.01	12	-0.09	6	-0.11
Kd of U-235 in Unsaturated Zone 1	13	-0.13	6	-0.28	20	0.03	15	0.03
Kd of U-235 in Unsaturated Zone 2	21	-0.02	20	-0.01	25	0.01	26	0.01
Kd of U-235 in Saturated Zone	8	-0.17	10	-0.15	18	-0.04	12	-0.04
Kd of U-238 in Contaminated Zone	26	0.01	25	0.01	24	-0.01	24	-0.02
Kd of U-238 in Unsaturated Zone 1	16	-0.10	7	-0.23	17	-0.04	11	-0.04
Kd of U-238 in Unsaturated Zone 2	17	-0.10	15	-0.06	23	0.02	23	0.02
Kd of U-238 in Saturated Zone	11	-0.14	11	-0.14	21	-0.02	20	-0.02
Thickness of contaminated zone	4	0.67	5	0.36	1	0.87	1	0.53
Aquatic food	19	-0.03	21	-0.01	14	0.07	21	0.02
Depth of soil mixing layer	2	-0.70	3	-0.42	3	-0.81	3	-0.44
Mass loading for inhalation	1	0.75	1	0.47	2	0.83	2	0.45
Indoor time fraction	3	0.70	4	0.40	4	0.75	4	0.34
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-238 Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	14 0.09	18 0.04	12 0.14	18 0.05
Thickness of Unsaturated zone 1	9 -0.19	12 -0.08	18 0.09	21 0.03
Runoff coefficient	7 0.29	8 0.13	19 -0.08	20 -0.03
Wind Speed	6 -0.46	6 -0.21	6 -0.31	15 -0.11
Well pump intake depth	18 -0.04	23 -0.02	20 0.06	22 0.02
External gamma shielding factor	25 -0.01	25 0.00	21 0.04	24 0.01
Inhalation rate	5 0.52	5 0.25	5 0.45	11 0.18
Soil ingestion	23 -0.02	24 -0.01	22 -0.04	25 -0.01
Thickness of Unsaturated zone 2	12 0.09	17 0.04	26 0.01	26 0.00
Kd of U-234 in Contaminated Zone	24 0.02	22 0.02	13 0.13	6 0.27
Kd of U-234 in Unsaturated Zone 1	17 -0.04	7 -0.14	11 0.14	7 0.26
Kd of U-234 in Unsaturated Zone 2	21 -0.03	19 -0.03	24 0.02	17 0.05
Kd of U-234 in Saturated Zone	15 0.07	14 0.06	8 0.16	5 0.37
Kd of U-235 in Contaminated Zone	10 -0.13	11 -0.09	15 -0.12	12 -0.17
Kd of U-235 in Unsaturated Zone 1	22 0.02	16 0.05	16 -0.12	13 -0.15
Kd of U-235 in Unsaturated Zone 2	20 -0.03	21 -0.02	25 0.01	23 0.02
Kd of U-235 in Saturated Zone	11 -0.10	15 -0.06	9 -0.16	8 -0.25
Kd of U-238 in Contaminated Zone	13 -0.09	13 -0.07	10 -0.16	9 -0.20
Kd of U-238 in Unsaturated Zone 1	16 0.05	9 0.11	17 -0.11	14 -0.14
Kd of U-238 in Unsaturated Zone 2	19 0.04	20 0.03	23 -0.02	19 -0.03
Kd of U-238 in Saturated Zone	26 0.01	26 0.00	14 -0.12	10 -0.19
Thickness of contaminated zone	1 0.72	1 0.44	1 0.83	1 0.51
Aquatic food	8 -0.24	10 -0.10	7 -0.20	16 -0.07
Depth of soil mixing layer	3 -0.70	3 -0.41	3 -0.80	3 -0.47
Mass loading for inhalation	2 0.71	2 0.42	2 0.81	2 0.48
Indoor time fraction	4 0.70	4 0.41	4 0.73	4 0.38
R-SQUARE	0.84	0.84	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 U-238 Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff		Sig Coeff		Sig Coeff		Sig Coeff	
Depth of roots	14	0.08	18	0.03	24	0.04	25	0.01
Thickness of Unsaturated zone 1	9	-0.10	15	-0.04	26	0.00	26	0.00
Runoff coefficient	23	0.02	26	0.01	20	0.06	23	0.02
Wind Speed	6	-0.23	9	-0.10	6	-0.31	14	-0.11
Well pump intake depth	7	0.15	12	0.06	13	-0.16	18	-0.05
External gamma shielding factor	13	0.08	17	0.03	21	0.06	24	0.02
Inhalation rate	5	0.55	5	0.28	5	0.63	10	0.27
Soil ingestion	12	0.09	16	0.04	19	-0.07	22	-0.02
Thickness of Unsaturated zone 2	16	0.07	19	0.03	17	0.09	21	0.03
Kd of U-234 in Contaminated Zone	19	-0.04	10	-0.07	11	0.22	4	0.41
Kd of U-234 in Unsaturated Zone 1	11	-0.09	6	-0.22	9	0.23	3	0.42
Kd of U-234 in Unsaturated Zone 2	25	-0.01	23	-0.02	15	-0.10	12	-0.17
Kd of U-234 in Saturated Zone	24	0.02	24	0.01	18	0.08	13	0.15
Kd of U-235 in Contaminated Zone	26	0.01	25	0.01	8	-0.24	8	-0.31
Kd of U-235 in Unsaturated Zone 1	10	0.09	7	0.16	10	-0.22	9	-0.28
Kd of U-235 in Unsaturated Zone 2	18	0.06	13	0.05	16	0.09	15	0.10
Kd of U-235 in Saturated Zone	15	0.08	14	0.04	25	-0.03	19	-0.04
Kd of U-238 in Contaminated Zone	8	0.10	8	0.11	12	-0.21	11	-0.26
Kd of U-238 in Unsaturated Zone 1	20	0.04	11	0.07	7	-0.26	7	-0.34
Kd of U-238 in Unsaturated Zone 2	21	-0.03	21	-0.02	22	0.06	16	0.07
Kd of U-238 in Saturated Zone	22	0.03	22	0.02	23	-0.04	17	-0.05
Thickness of contaminated zone	1	0.74	1	0.47	1	0.83	1	0.50
Aquatic food	17	-0.06	20	-0.03	14	0.11	20	0.04
Depth of soil mixing layer	2	-0.70	2	-0.41	2	-0.80	2	-0.44
Mass loading for inhalation	4	0.68	4	0.40	3	0.76	5	0.41
Indoor time fraction	3	0.69	3	0.41	4	0.73	6	0.35
R-SQUARE	0.83		0.83		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.

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Time = 3.000E+00	11
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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	5.000E+00	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	5.000E-01	5.000E-01	---	FIND
	R017	Fraction of time spent outdoors (on site)	2.500E-01	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)	1.600E+02	1.600E+02	---	DIET(1)
	R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET(2)
	R018	Milk consumption (L/yr)	1.460E+02	9.200E+01	---	DIET(3)
	R018	Meat and poultry consumption (kg/yr)	6.300E+01	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)	5.840E+02	5.100E+02	---	DWI
	R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
	R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
	R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
	R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
	R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
	R018	Contamination fraction of plant food	-1	-1	0.500E+00	FPLANT
	R018	Contamination fraction of meat	-1	-1	0.100E+01	FMEAT
	R018	Contamination fraction of milk	-1	-1	0.100E+01	FMILK
	R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
	R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
	R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
	R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
	R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
	R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
	R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
	R019	Depth of roots (m)	9.000E-01	9.000E-01	---	DROOT
	R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
	R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
	R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
	R019	Irrigation fraction from ground water	1.000E+00	1.000E+00	---	FGWIR
	R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
	R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
	R19B	Wet weight crop yield for Fodder (kg/m**2)	1.100E+00	1.100E+00	---	YV(3)
	R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
	R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
	R19B	Growing Season for Fodder (years)	8.000E-02	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	1.000E-01	1.000E-01	---	TIV (1)
	R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV (2)
	R19B	Translocation Factor for Fodder	1.000E+00	1.000E+00	---	TIV (3)
	R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY (1)
	R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY (2)
	R19B	Dry Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RDRY (3)
	R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET (1)
	R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET (2)
	R19B	Wet Foliar Interception Fraction for Fodder	2.500E-01	2.500E-01	---	RWET (3)
	R19B	Weathering Removal Constant for Vegetation	2.000E+01	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	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
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	5.000E+00
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):	3.864E+01	3.372E+01	2.568E+01	9.881E+00	6.384E-01	3.374E-05	0.000E+00	0.000E+00
M(t):	2.034E+00	1.775E+00	1.351E+00	5.200E-01	3.360E-02	1.776E-06	0.000E+00	0.000E+00

0Maximum TDOSE(t): 3.864E+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	3.823E+01	0.9892	9.115E-05	0.0000	0.000E+00	0.0000	1.456E-01	0.0038	2.227E-01	0.0058	4.523E-02	0.0012	3.435E-03	0.0001
Total	3.823E+01	0.9892	9.115E-05	0.0000	0.000E+00	0.0000	1.456E-01	0.0038	2.227E-01	0.0058	4.523E-02	0.0012	3.435E-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	3.864E+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	3.864E+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	3.336E+01	0.9893	7.919E-05	0.0000	0.000E+00	0.0000	1.265E-01	0.0038	1.935E-01	0.0057	3.930E-02	0.0012	2.984E-03	0.0001
Total	3.336E+01	0.9893	7.919E-05	0.0000	0.000E+00	0.0000	1.265E-01	0.0038	1.935E-01	0.0057	3.930E-02	0.0012	2.984E-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	3.372E+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	3.372E+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	2.540E+01	0.9893	5.977E-05	0.0000	0.000E+00	0.0000	9.548E-02	0.0037	1.460E-01	0.0057	2.966E-02	0.0012	2.252E-03	0.0001
Total	2.540E+01	0.9893	5.977E-05	0.0000	0.000E+00	0.0000	9.548E-02	0.0037	1.460E-01	0.0057	2.966E-02	0.0012	2.252E-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	2.568E+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	2.568E+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	9.779E+00	0.9897	2.229E-05	0.0000	0.000E+00	0.0000	3.560E-02	0.0036	5.446E-02	0.0055	1.106E-02	0.0011	8.398E-04	0.0001
Total	9.779E+00	0.9897	2.229E-05	0.0000	0.000E+00	0.0000	3.560E-02	0.0036	5.446E-02	0.0055	1.106E-02	0.0011	8.398E-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	9.881E+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	9.881E+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	6.324E-01	0.9906	1.311E-06	0.0000	0.000E+00	0.0000	2.094E-03	0.0033	3.203E-03	0.0050	6.504E-04	0.0010	4.938E-05	0.0001
Total	6.324E-01	0.9906	1.311E-06	0.0000	0.000E+00	0.0000	2.094E-03	0.0033	3.203E-03	0.0050	6.504E-04	0.0010	4.938E-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	6.384E-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	6.384E-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	3.353E-05	0.9937	4.602E-11	0.0000	0.000E+00	0.0000	7.356E-08	0.0022	1.127E-07	0.0033	2.286E-08	0.0007	1.734E-09	0.0001
Total	3.353E-05	0.9937	4.602E-11	0.0000	0.000E+00	0.0000	7.356E-08	0.0022	1.127E-07	0.0033	2.286E-08	0.0007	1.734E-09	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+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	3.374E-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	3.374E-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	7.729E+00	6.744E+00	5.135E+00	1.976E+00	1.277E-01	6.748E-06	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	2.458E+00	2.817E+00	3.700E+00	9.615E+00	1.488E+02	2.816E+06	*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	5.000E+00	0.000E+00	7.729E+00	2.458E+00	7.729E+00	2.458E+00

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

ONuclide (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	3.864E+01	3.372E+01	2.568E+01	9.881E+00	6.384E-01	3.374E-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

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
Co-60	Co-60	1.000E+00	5.000E+00	4.373E+00	3.346E+00	1.310E+00	8.993E-02	7.624E-06	1.772E-17	0.000E+00

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

ORESMAIN5.EXE execution time = 18.99 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 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

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

Occupancy Factor (FO1): 0.600
 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)*	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
Co-60	Co-60	1.620E+01		5.048E-01	5.037E-01	5.014E-01	4.929E-01	4.646E-01	2.918E-01	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		7.645E+00	6.672E+00	5.081E+00	1.956E+00	1.265E-01	6.705E-06	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	1.823E-05	1.584E-05	1.195E-05	4.457E-06	2.621E-07	9.205E-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

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A): 2.0234E+06 m**2 Occupancy Factor (FO2): 4.5000E-01
 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: 8.9233E-02 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	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	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	9.996E-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

OParent	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

OParent	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

OParent	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

OParent	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

OParent	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
(i)	(j)											
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	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

OParent	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
(i)	(j)											
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	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

OParent	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
(i)	(j)											
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	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

OParent	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
(i)	(j)											
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	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	1.160E+03	1.008E+03	7.609E+02	2.838E+02	1.670E+01	5.900E-04	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	1.462E-01	1.271E-01	9.591E-02	3.577E-02	2.105E-03	7.437E-08	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	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	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	1.142E+03	9.942E+02	7.503E+02	2.798E+02	1.647E+01	5.829E-04	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 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	5.797E-01	5.044E-01	3.807E-01	1.420E-01	8.357E-03	2.958E-07	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
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 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.

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	2.141E+02	1.863E+02	1.406E+02	5.243E+01	3.085E+00	1.091E-04	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	1.087E-01	9.451E-02	7.133E-02	2.660E-02	1.566E-03	5.538E-08	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	2.912E-02	2.530E-02	1.909E-02	7.119E-03	4.187E-04	1.471E-08	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	3.670E-06	3.189E-06	2.407E-06	8.974E-07	5.278E-08	1.854E-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/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)	(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		2.912E-02	2.530E-02	1.910E-02	7.120E-03	4.187E-04	1.471E-08	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=	DSR(j,4,1,t) (mrem/yr)/(pCi/g)
-----	-----	-----	-----	-----	-----
Co-60	Co-60	1.000E+00	2.871E-02	2.495E-02	1.883E-02 7.021E-03 4.130E-04 1.453E-08 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=	DSR(j,4,2,t) (mrem/yr)/(pCi/g)
-----	-----	-----	-----	-----	-----
Co-60	Co-60	1.000E+00	1.457E-05	1.266E-05	9.553E-06 3.562E-06 2.095E-07 7.374E-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/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=	DSR(j,4,3,t) (mrem/yr)/(pCi/g)
-----	-----	-----	-----	-----	-----
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=	DSR(j,4,4,t) (mrem/yr)/(pCi/g)
-----	-----	-----	-----	-----	-----
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 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

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		4.454E-02	3.870E-02	2.921E-02	1.089E-02	6.406E-04	2.253E-08	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 Ingestion of Milk (p=5)

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

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,5,1,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	5.379E-03	4.674E-03	3.527E-03	1.315E-03	7.736E-05	2.721E-09	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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,5,2,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	2.729E-06	2.372E-06	1.790E-06	6.674E-07	3.926E-08	1.381E-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/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*	DSR(j,5,3,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	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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,5,4,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	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		9.046E-03	7.859E-03	5.932E-03	2.212E-03	1.301E-04	4.572E-09	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*	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
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 \geq 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):		
0Nuclide	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.

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	6.870E-04	5.968E-04	4.504E-04	1.680E-04	9.877E-06	3.469E-10	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	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00

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

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Cancer Risk Slope Factors	2
Amount of Intake Quantities and Excess Cancer Risks	
Time= 0.000E+00	3
Time= 1.000E+00	5
Time= 3.000E+00	7
Time= 1.000E+01	9
Time= 3.000E+01	11
Time= 1.000E+02	13
Time= 3.000E+02	15
Time= 1.000E+03	17

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	4.462E-01	5.801E+03	8.865E+03	1.801E+03	1.369E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.660E+04

* 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

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	7.420E-04	0.9874	9.236E-10	0.0000	3.306E-06	0.0044	5.053E-06	0.0067	1.027E-06	0.0014	7.802E-08	0.0001
Total	7.420E-04	0.9874	9.236E-10	0.0000	3.306E-06	0.0044	5.053E-06	0.0067	1.027E-06	0.0014	7.802E-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

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	7.515E-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	7.515E-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

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	7.420E-04	0.9874	9.236E-10	0.0000	0.000E+00	0.0000	3.306E-06	0.0044	5.053E-06	0.0067	1.027E-06	0.0014	7.802E-08	0.0001
Total	7.420E-04	0.9874	9.236E-10	0.0000	0.000E+00	0.0000	3.306E-06	0.0044	5.053E-06	0.0067	1.027E-06	0.0014	7.802E-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	7.515E-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	7.515E-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	3.876E-01	5.041E+03	7.711E+03	1.566E+03	1.189E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.444E+04

* 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	6.476E-04	0.9874	8.024E-10	0.0000	2.874E-06	0.0044	4.396E-06	0.0067	8.926E-07	0.0014	6.778E-08	0.0001
Total	6.476E-04	0.9874	8.024E-10	0.0000	2.874E-06	0.0044	4.396E-06	0.0067	8.926E-07	0.0014	6.778E-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	6.558E-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	6.558E-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	6.476E-04	0.9874	8.024E-10	0.0000	0.000E+00	0.0000	2.874E-06	0.0044	4.396E-06	0.0067	8.926E-07	0.0014	6.778E-08	0.0001
Total	6.476E-04	0.9874	8.024E-10	0.0000	0.000E+00	0.0000	2.874E-06	0.0044	4.396E-06	0.0067	8.926E-07	0.0014	6.778E-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	6.558E-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	6.558E-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	2.926E-01	3.805E+03	5.820E+03	1.182E+03	8.975E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.090E+04

* 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+00 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	4.931E-04	0.9876	6.056E-10	0.0000	2.169E-06	0.0043	3.317E-06	0.0066	6.737E-07	0.0013	5.116E-08	0.0001
Total	4.931E-04	0.9876	6.056E-10	0.0000	2.169E-06	0.0043	3.317E-06	0.0066	6.737E-07	0.0013	5.116E-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= 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.
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	4.994E-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	4.994E-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= 3.000E+00 years

0

Radio- Nuclide	Water Independent Pathways (Inhalation excludes radon)										Soil			
	Ground		Inhalation		Radon		Plant		Meat		Milk		risk	fract.
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	4.931E-04	0.9876	6.056E-10	0.0000	0.000E+00	0.0000	2.169E-06	0.0043	3.317E-06	0.0066	6.737E-07	0.0013	5.116E-08	0.0001
Total	4.931E-04	0.9876	6.056E-10	0.0000	0.000E+00	0.0000	2.169E-06	0.0043	3.317E-06	0.0066	6.737E-07	0.0013	5.116E-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	4.994E-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	4.994E-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	1.091E-01	1.419E+03	2.171E+03	4.408E+02	3.347E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.064E+03

* 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

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	1.899E-04	0.9879	2.259E-10	0.0000	8.088E-07	0.0042	1.237E-06	0.0064	2.513E-07	0.0013	1.908E-08	0.0001
Total	1.899E-04	0.9879	2.259E-10	0.0000	8.088E-07	0.0042	1.237E-06	0.0064	2.513E-07	0.0013	1.908E-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	1.922E-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	1.922E-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

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	1.899E-04	0.9879	2.259E-10	0.0000	0.000E+00	0.0000	8.088E-07	0.0042	1.237E-06	0.0064	2.513E-07	0.0013	1.908E-08	0.0001
Total	1.899E-04	0.9879	2.259E-10	0.0000	0.000E+00	0.0000	8.088E-07	0.0042	1.237E-06	0.0064	2.513E-07	0.0013	1.908E-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	1.922E-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	1.922E-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	6.420E-03	8.350E+01	1.277E+02	2.594E+01	1.970E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.392E+02

* 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

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	1.228E-05	0.9890	1.329E-11	0.0000	4.760E-08	0.0038	7.282E-08	0.0059	1.479E-08	0.0012	1.123E-09	0.0001
Total	1.228E-05	0.9890	1.329E-11	0.0000	4.760E-08	0.0038	7.282E-08	0.0059	1.479E-08	0.0012	1.123E-09	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

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	1.242E-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	1.242E-05	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

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	1.228E-05	0.9890	1.329E-11	0.0000	0.000E+00	0.0000	4.760E-08	0.0038	7.282E-08	0.0059	1.479E-08	0.0012	1.123E-09	0.0001
Total	1.228E-05	0.9890	1.329E-11	0.0000	0.000E+00	0.0000	4.760E-08	0.0038	7.282E-08	0.0059	1.479E-08	0.0012	1.123E-09	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	1.242E-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	1.242E-05	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	2.268E-07	2.950E-03	4.519E-03	9.170E-04	6.956E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.456E-03

* 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= 1.000E+02 years

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	6.541E-10	0.9927	4.694E-16	0.0000	1.682E-12	0.0026	2.576E-12	0.0039	5.227E-13	0.0008	3.965E-14	0.0001
Total	6.541E-10	0.9927	4.694E-16	0.0000	1.682E-12	0.0026	2.576E-12	0.0039	5.227E-13	0.0008	3.965E-14	0.0001

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	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	6.589E-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	6.589E-10	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= 1.000E+02 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	6.541E-10	0.9927	4.694E-16	0.0000	0.000E+00	0.0000	1.682E-12	0.0026	2.576E-12	0.0039	5.227E-13	0.0008	3.965E-14	0.0001
Total	6.541E-10	0.9927	4.694E-16	0.0000	0.000E+00	0.0000	1.682E-12	0.0026	2.576E-12	0.0039	5.227E-13	0.0008	3.965E-14	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+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	6.589E-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	6.589E-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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Part IV: Concentration of Radionuclides
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Concentration of radionuclides in different media

Time= 0.000E+00	2
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Time= 3.000E+01	6
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Time= 3.000E+02	8
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	5.000E+00	5.000E+00	1.180E-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 = 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	6.667E+01	6.670E+01	6.670E+01	6.670E+01	1.407E+02	1.234E+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 = 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	4.373E+00	4.344E+00	1.025E-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+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	5.795E+01	5.795E+01	5.846E+01	5.804E+01	1.224E+02	1.073E+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+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	3.346E+00	3.279E+00	7.740E-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+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	4.373E+01	4.374E+01	4.413E+01	4.380E+01	9.238E+01	8.095E+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+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	1.310E+00	1.223E+00	2.886E-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 = 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	1.631E+01	1.631E+01	1.646E+01	1.634E+01	3.445E+01	3.019E+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 = 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	8.993E-02	7.195E-02	1.698E-06	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	9.598E-01	9.598E-01	9.686E-01	9.614E-01	2.028E+00	1.777E-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 = 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	7.624E-06	2.541E-06	5.999E-11	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	3.391E-05	3.390E-05	3.428E-05	3.401E-05	7.173E-05	6.281E-06	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-	Contaminat- ted Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
Nuclide	pCi/g	pCi/g	pCi/m**3	pCi/l	pCi/l
Co-60	1.772E-17	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-	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
Nuclide	pCi/l	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/l	pCi/kg	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- ed 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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Part V: Dose from Radionuclide at Point of Action

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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							
	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	3.82E+01	9.12E-05	0.00E+00	1.46E-01	2.23E-01	4.52E-02	3.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E+01
Total	3.82E+01	9.12E-05	0.00E+00	1.46E-01	2.23E-01	4.52E-02	3.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E+01

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides at Point of Action CE Windsor Site, Resident Farmer Scenario, Byproduct
File: FARMERB.RAD

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							
	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	3.34E+01	7.92E-05	0.00E+00	1.27E-01	1.94E-01	3.93E-02	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E+01
Total	3.34E+01	7.92E-05	0.00E+00	1.27E-01	1.94E-01	3.93E-02	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E+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	2.54E+01	5.98E-05	0.00E+00	9.55E-02	1.46E-01	2.97E-02	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E+01
Total	2.54E+01	5.98E-05	0.00E+00	9.55E-02	1.46E-01	2.97E-02	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E+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	9.78E+00	2.23E-05	0.00E+00	3.56E-02	5.45E-02	1.11E-02	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E+00
Total	9.78E+00	2.23E-05	0.00E+00	3.56E-02	5.45E-02	1.11E-02	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E+00

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides at Point of Action CE Windsor Site, Resident Farmer Scenario, Byproduct
File: FARMERB.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							
	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	6.32E-01	1.31E-06	0.00E+00	2.09E-03	3.20E-03	6.50E-04	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-01
Total	6.32E-01	1.31E-06	0.00E+00	2.09E-03	3.20E-03	6.50E-04	4.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-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								
	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	3.35E-05	4.60E-11	0.00E+00	7.36E-08	1.13E-07	2.29E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05
Total	3.35E-05	4.60E-11	0.00E+00	7.36E-08	1.13E-07	2.29E-08	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-05

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides at Point of Action CE Windsor Site, Resident Farmer Scenario, Byproduct
File: FARMERB.RAD

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
 0Number of Sample Runs: 300

Number	Name	Distribution	Parameters			
1	DROOT	UNIFORM	.3	4		
2	H(1)	BOUNDED LOGNORMAL-N	.693	.25	1	4
3	RUNOFF	UNIFORM	.1	.8		
4	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
5	DWIBWT	TRIANGULAR	6	10	30	
6	SHF1	BOUNDED LOGNORMAL-N	-1.3	.59	.044	1
7	INHALR	TRIANGULAR	4380	8400	13100	
8	SOIL	TRIANGULAR	0	18.3	36.5	
9	H(2)	BOUNDED LOGNORMAL-N	1.386	.6	2	17
10	THICK0	TRIANGULAR	0	.075	.3	
11	DM	TRIANGULAR	0	.15	.6	
12	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
13	DCACTC(1)	LOGNORMAL-N	5.46	2.53		
14	DCACTU1(1)	LOGNORMAL-N	5.46	2.53		
15	DCACTU2(1)	LOGNORMAL-N	5.46	2.53		
16	DCACTS(1)	LOGNORMAL-N	5.46	2.53		
17	FR9	TRIANGULAR	0	.39	1	
18	FIND	CONTINUOUS LINEAR	8	0	0	
				.05	.375	
				.25	.521	
				.5	.625	
				.75	.809	
				.9	.938	
				.95	.992	
				1	1	

0 Monte Carlo Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr							
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03

Co-60										
Min	0.00E+00	1.47E+00	1.47E+00	4.90E-04	5.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.41E+01	5.41E+01	4.74E+01	3.63E+01	1.43E+01	1.00E+00	8.49E-05	4.48E-18	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.56E+01	1.10E+01	3.68E+00	1.95E-01	7.72E-06	5.27E-20	0.00E+00
Std	0.00E+00	8.48E+00	8.48E+00	7.68E+00	6.24E+00	2.59E+00	1.78E-01	1.31E-05	3.55E-19	0.00E+00
äALL										
Min	0.00E+00	1.47E+00	1.47E+00	4.90E-04	5.41E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.41E+01	5.41E+01	4.74E+01	3.63E+01	1.43E+01	1.00E+00	8.49E-05	4.48E-18	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.56E+01	1.10E+01	3.68E+00	1.95E-01	7.72E-06	5.27E-20	0.00E+00
Std	0.00E+00	8.48E+00	8.48E+00	7.68E+00	6.24E+00	2.59E+00	1.78E-01	1.31E-05	3.55E-19	0.00E+00
=====										

äALL is total dose summed for all nuclides.

0 Monte Carlo Risk Summary

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	5.41E-05	7.14E-08	7.88E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.05E-03	9.19E-04	7.05E-04	2.78E-04	1.94E-05	1.65E-09	1.01E-22	0.00E+00
Avg	3.85E-04	3.11E-04	2.17E-04	7.21E-05	3.81E-06	1.51E-10	1.19E-24	0.00E+00
Std	1.65E-04	1.47E-04	1.20E-04	5.03E-05	3.46E-06	2.54E-10	8.09E-24	0.00E+00
äALL								
Min	5.41E-05	7.14E-08	7.88E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.05E-03	9.19E-04	7.05E-04	2.78E-04	1.94E-05	1.65E-09	1.01E-22	0.00E+00
Avg	3.85E-04	3.11E-04	2.17E-04	7.21E-05	3.81E-06	1.51E-10	1.19E-24	0.00E+00
Std	1.65E-04	1.47E-04	1.20E-04	5.03E-05	3.46E-06	2.54E-10	8.09E-24	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	1.45E+00	4.83E-04	5.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.39E+01	4.72E+01	3.62E+01	1.43E+01	9.98E-01	8.45E-05	0.00E+00	0.00E+00	0.00E+00
Avg	1.88E+01	1.54E+01	1.09E+01	3.64E+00	1.93E-01	7.65E-06	0.00E+00	0.00E+00	0.00E+00
Std	8.42E+00	7.61E+00	6.18E+00	2.57E+00	1.76E-01	1.30E-05	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	1.45E+00	4.83E-04	5.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.39E+01	4.72E+01	3.62E+01	1.43E+01	9.98E-01	8.45E-05	0.00E+00	0.00E+00	0.00E+00
Avg	1.88E+01	1.54E+01	1.09E+01	3.64E+00	1.93E-01	7.65E-06	0.00E+00	0.00E+00	0.00E+00
Std	8.42E+00	7.61E+00	6.18E+00	2.57E+00	1.76E-01	1.30E-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 (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
DOSE(i,j,t), mrem/yr									

Co-60									
Min		2.45E-08	1.03E-10	1.62E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.72E-05	8.52E-05	6.55E-05	2.61E-05	1.87E-06	1.68E-10	0.00E+00	0.00E+00
Avg		1.04E-05	8.56E-06	6.03E-06	2.00E-06	1.03E-07	3.71E-12	0.00E+00	0.00E+00
Std		9.92E-06	8.45E-06	6.37E-06	2.42E-06	1.61E-07	1.20E-11	0.00E+00	0.00E+00
äALL									
Min		2.45E-08	1.03E-10	1.62E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.72E-05	8.52E-05	6.55E-05	2.61E-05	1.87E-06	1.68E-10	0.00E+00	0.00E+00
Avg		1.04E-05	8.56E-06	6.03E-06	2.00E-06	1.03E-07	3.71E-12	0.00E+00	0.00E+00
Std		9.92E-06	8.45E-06	6.37E-06	2.42E-06	1.61E-07	1.20E-11	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	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): 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		1.67E-03	1.13E-06	1.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.12E-01	5.15E-01	3.93E-01	1.52E-01	1.02E-02	7.37E-07	0.00E+00	0.00E+00
Avg		7.59E-02	6.24E-02	4.38E-02	1.45E-02	7.27E-04	2.42E-08	0.00E+00	0.00E+00
Std		8.67E-02	7.38E-02	5.50E-02	2.01E-02	1.18E-03	6.46E-08	0.00E+00	0.00E+00
äALL									
Min		1.67E-03	1.13E-06	1.34E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.12E-01	5.15E-01	3.93E-01	1.52E-01	1.02E-02	7.37E-07	0.00E+00	0.00E+00
Avg		7.59E-02	6.24E-02	4.38E-02	1.45E-02	7.27E-04	2.42E-08	0.00E+00	0.00E+00
Std		8.67E-02	7.38E-02	5.50E-02	2.01E-02	1.18E-03	6.46E-08	0.00E+00	0.00E+00
=====		=====	=====	=====	=====	=====	=====	=====	=====

äALL is total pathway dose summed for all nuclides.

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	
Monte Carlo Dose vs Pathway(i): Meat (Water Ind.)										
DOSE(i,j,t), mrem/yr										
Co-60	Min	2.70E-03	3.83E-06	5.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	Max	6.85E-01	5.77E-01	4.41E-01	1.72E-01	1.16E-02	8.79E-07	0.00E+00	0.00E+00	
	Avg	1.18E-01	9.67E-02	6.79E-02	2.24E-02	1.13E-03	3.79E-08	0.00E+00	0.00E+00	
	Std	9.64E-02	8.31E-02	6.30E-02	2.37E-02	1.45E-03	8.50E-08	0.00E+00	0.00E+00	
äALL	Min	2.70E-03	3.83E-06	5.86E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	Max	6.85E-01	5.77E-01	4.41E-01	1.72E-01	1.16E-02	8.79E-07	0.00E+00	0.00E+00	
	Avg	1.18E-01	9.67E-02	6.79E-02	2.24E-02	1.13E-03	3.79E-08	0.00E+00	0.00E+00	
	Std	9.64E-02	8.31E-02	6.30E-02	2.37E-02	1.45E-03	8.50E-08	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		5.40E-04	4.96E-07	7.80E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.32E-01	1.11E-01	8.49E-02	3.31E-02	2.23E-03	1.72E-07	0.00E+00	0.00E+00
Avg		2.39E-02	1.96E-02	1.38E-02	4.56E-03	2.31E-04	7.72E-09	0.00E+00	0.00E+00
Std		1.86E-02	1.61E-02	1.23E-02	4.64E-03	2.86E-04	1.70E-08	0.00E+00	0.00E+00
äALL									
Min		5.40E-04	4.96E-07	7.80E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.32E-01	1.11E-01	8.49E-02	3.31E-02	2.23E-03	1.72E-07	0.00E+00	0.00E+00
Avg		2.39E-02	1.96E-02	1.38E-02	4.56E-03	2.31E-04	7.72E-09	0.00E+00	0.00E+00
Std		1.86E-02	1.61E-02	1.23E-02	4.64E-03	2.86E-04	1.70E-08	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	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Co-60									
Min	6.57E-06	5.79E-09	9.12E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.44E-03	3.71E-03	2.74E-03	9.83E-04	7.02E-05	6.84E-09	0.00E+00	0.00E+00	0.00E+00
Avg	7.33E-04	6.02E-04	4.25E-04	1.42E-04	7.26E-06	2.55E-10	0.00E+00	0.00E+00	0.00E+00
Std	7.76E-04	6.64E-04	4.97E-04	1.82E-04	1.12E-05	6.99E-10	0.00E+00	0.00E+00	0.00E+00
äALL									
Min	6.57E-06	5.79E-09	9.12E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.44E-03	3.71E-03	2.74E-03	9.83E-04	7.02E-05	6.84E-09	0.00E+00	0.00E+00	0.00E+00
Avg	7.33E-04	6.02E-04	4.25E-04	1.42E-04	7.26E-06	2.55E-10	0.00E+00	0.00E+00	0.00E+00
Std	7.76E-04	6.64E-04	4.97E-04	1.82E-04	1.12E-05	6.99E-10	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): Water 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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-03	8.27E-08	1.06E-18	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	4.60E-10	1.23E-20	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	5.73E-09	8.64E-20	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	8.02E-03	8.27E-08	1.06E-18	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-05	4.60E-10	1.23E-20	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	5.73E-09	8.64E-20	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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-03	2.58E-07	3.14E-18	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	1.67E-09	3.33E-20	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	2.04E-08	2.28E-19	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	6.11E-03	2.58E-07	3.14E-18	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	1.67E-09	3.33E-20	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	2.04E-08	2.28E-19	0.00E+00	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.

0		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	5.44E-04	5.66E-09	7.26E-20	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.15E-11	8.42E-22	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	3.92E-10	5.91E-21	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	5.44E-04	5.66E-09	7.26E-20	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.15E-11	8.42E-22	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	3.92E-10	5.91E-21	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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03	3.10E-08	3.97E-19	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	1.72E-10	4.61E-21	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	2.14E-09	3.24E-20	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	3.00E-03	3.10E-08	3.97E-19	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-05	1.72E-10	4.61E-21	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	2.14E-09	3.24E-20	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	1.04E-03	1.07E-08	1.38E-19	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-06	5.98E-11	1.60E-21	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	7.44E-10	1.12E-20	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	1.04E-03	1.07E-08	1.38E-19	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-06	5.98E-11	1.60E-21	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-05	7.44E-10	1.12E-20	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	5.94E+00	2.28E+00	4.39E-01	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	8.02E+00	4.33E+00	9.03E-01	5.02E-03	1.01E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.075	9.10E+00	6.03E+00	2.59E+00	4.50E-02	5.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.100	9.70E+00	6.81E+00	3.04E+00	8.54E-02	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.125	1.05E+01	7.63E+00	3.68E+00	2.75E-01	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.150	1.15E+01	8.51E+00	4.34E+00	4.82E-01	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.175	1.19E+01	9.13E+00	5.13E+00	9.11E-01	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.200	1.24E+01	9.50E+00	5.85E+00	1.09E+00	5.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.225	1.35E+01	9.96E+00	6.40E+00	1.35E+00	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.250	1.38E+01	1.06E+01	6.92E+00	1.62E+00	1.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.275	1.43E+01	1.12E+01	7.41E+00	1.91E+00	3.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.300	1.46E+01	1.17E+01	7.93E+00	2.08E+00	4.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.325	1.48E+01	1.21E+01	8.47E+00	2.45E+00	5.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.350	1.51E+01	1.25E+01	8.97E+00	2.66E+00	8.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.375	1.54E+01	1.28E+01	9.19E+00	2.87E+00	1.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.400	1.60E+01	1.31E+01	9.47E+00	3.01E+00	1.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.425	1.62E+01	1.38E+01	9.73E+00	3.25E+00	1.35E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.450	1.66E+01	1.40E+01	1.01E+01	3.39E+00	1.56E-01	4.04E-19	0.00E+00	0.00E+00	0.00E+00
0.475	1.69E+01	1.44E+01	1.03E+01	3.50E+00	1.66E-01	4.17E-12	0.00E+00	0.00E+00	0.00E+00
0.500	1.73E+01	1.48E+01	1.06E+01	3.72E+00	1.78E-01	2.82E-09	0.00E+00	0.00E+00	0.00E+00
0.525	1.78E+01	1.51E+01	1.10E+01	3.88E+00	1.97E-01	1.21E-07	0.00E+00	0.00E+00	0.00E+00
0.550	1.80E+01	1.54E+01	1.13E+01	3.96E+00	2.15E-01	4.33E-07	0.00E+00	0.00E+00	0.00E+00
0.575	1.84E+01	1.56E+01	1.15E+01	4.17E+00	2.28E-01	8.43E-07	0.00E+00	0.00E+00	0.00E+00
0.600	1.89E+01	1.60E+01	1.17E+01	4.27E+00	2.37E-01	1.83E-06	0.00E+00	0.00E+00	0.00E+00
0.625	1.93E+01	1.65E+01	1.19E+01	4.37E+00	2.51E-01	3.30E-06	0.00E+00	0.00E+00	0.00E+00
0.650	1.97E+01	1.69E+01	1.24E+01	4.52E+00	2.59E-01	4.56E-06	0.00E+00	0.00E+00	0.00E+00
0.675	2.07E+01	1.72E+01	1.27E+01	4.64E+00	2.68E-01	6.36E-06	0.00E+00	0.00E+00	0.00E+00
0.700	2.12E+01	1.81E+01	1.29E+01	4.73E+00	2.77E-01	8.34E-06	0.00E+00	0.00E+00	0.00E+00
0.725	2.21E+01	1.84E+01	1.35E+01	4.85E+00	2.87E-01	9.47E-06	0.00E+00	0.00E+00	0.00E+00
0.750	2.32E+01	1.89E+01	1.39E+01	5.05E+00	2.98E-01	1.14E-05	0.00E+00	0.00E+00	0.00E+00
0.775	2.44E+01	1.98E+01	1.42E+01	5.20E+00	3.08E-01	1.41E-05	0.00E+00	0.00E+00	0.00E+00
0.800	2.56E+01	2.11E+01	1.53E+01	5.49E+00	3.21E-01	1.60E-05	0.00E+00	0.00E+00	0.00E+00
0.825	2.70E+01	2.24E+01	1.62E+01	5.79E+00	3.40E-01	1.74E-05	0.00E+00	0.00E+00	0.00E+00
0.850	2.81E+01	2.35E+01	1.74E+01	6.09E+00	3.58E-01	2.04E-05	0.00E+00	0.00E+00	0.00E+00
0.875	2.95E+01	2.46E+01	1.82E+01	6.90E+00	3.85E-01	2.29E-05	0.00E+00	0.00E+00	0.00E+00
0.900	3.10E+01	2.66E+01	1.97E+01	7.20E+00	4.40E-01	2.72E-05	0.00E+00	0.00E+00	0.00E+00
0.925	3.24E+01	2.79E+01	2.07E+01	7.60E+00	4.76E-01	3.03E-05	0.00E+00	0.00E+00	0.00E+00
0.950	3.45E+01	2.96E+01	2.22E+01	7.97E+00	5.33E-01	3.58E-05	0.00E+00	0.00E+00	0.00E+00
0.975	3.94E+01	3.43E+01	2.60E+01	9.86E+00	6.19E-01	4.21E-05	7.61E-19	0.00E+00	0.00E+00
1.000	5.41E+01	4.74E+01	3.63E+01	1.43E+01	1.00E+00	8.49E-05	4.48E-18	0.00E+00	0.00E+00

Summary of dose at graphical times, reptition 1								
Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.75E+00	5.41E+01	1.92E+01	1.79E+01	3.10E+01	3.44E+01	4.23E+01	5.40E+01
1.00E+00	5.75E-01	4.74E+01	1.56E+01	1.52E+01	2.58E+01	2.90E+01	3.59E+01	4.73E+01
1.06E+00	4.92E-01	4.70E+01	1.54E+01	1.50E+01	2.56E+01	2.87E+01	3.56E+01	4.69E+01
1.12E+00	4.17E-01	4.66E+01	1.53E+01	1.48E+01	2.54E+01	2.84E+01	3.52E+01	4.65E+01
1.19E+00	3.50E-01	4.62E+01	1.51E+01	1.46E+01	2.52E+01	2.81E+01	3.49E+01	4.61E+01
1.25E+00	2.91E-01	4.58E+01	1.49E+01	1.44E+01	2.49E+01	2.78E+01	3.45E+01	4.57E+01
1.33E+00	2.39E-01	4.54E+01	1.47E+01	1.43E+01	2.47E+01	2.75E+01	3.41E+01	4.53E+01
1.40E+00	1.94E-01	4.49E+01	1.45E+01	1.41E+01	2.44E+01	2.72E+01	3.36E+01	4.48E+01
1.49E+00	1.56E-01	4.44E+01	1.42E+01	1.39E+01	2.42E+01	2.68E+01	3.32E+01	4.43E+01
1.57E+00	1.23E-01	4.39E+01	1.40E+01	1.37E+01	2.39E+01	2.65E+01	3.27E+01	4.38E+01
1.66E+00	9.66E-02	4.34E+01	1.38E+01	1.36E+01	2.36E+01	2.61E+01	3.22E+01	4.33E+01
1.76E+00	7.44E-02	4.28E+01	1.35E+01	1.34E+01	2.33E+01	2.57E+01	3.17E+01	4.27E+01
1.86E+00	5.65E-02	4.23E+01	1.33E+01	1.32E+01	2.29E+01	2.53E+01	3.12E+01	4.22E+01
1.97E+00	4.22E-02	4.16E+01	1.30E+01	1.30E+01	2.26E+01	2.48E+01	3.07E+01	4.15E+01
2.09E+00	3.10E-02	4.10E+01	1.28E+01	1.27E+01	2.23E+01	2.44E+01	3.01E+01	4.09E+01
2.21E+00	2.24E-02	4.04E+01	1.25E+01	1.25E+01	2.19E+01	2.39E+01	2.95E+01	4.03E+01
2.34E+00	1.58E-02	3.97E+01	1.22E+01	1.22E+01	2.15E+01	2.34E+01	2.89E+01	3.96E+01
2.47E+00	1.10E-02	3.90E+01	1.19E+01	1.18E+01	2.11E+01	2.29E+01	2.82E+01	3.89E+01
2.62E+00	7.46E-03	3.82E+01	1.16E+01	1.16E+01	2.07E+01	2.24E+01	2.76E+01	3.81E+01
2.77E+00	4.96E-03	3.75E+01	1.13E+01	1.13E+01	2.03E+01	2.19E+01	2.69E+01	3.74E+01
2.93E+00	3.21E-03	3.67E+01	1.10E+01	1.08E+01	1.99E+01	2.13E+01	2.62E+01	3.66E+01
3.00E+00	2.68E-03	3.63E+01	1.09E+01	1.07E+01	1.97E+01	2.11E+01	2.59E+01	3.62E+01
3.10E+00	2.03E-03	3.58E+01	1.07E+01	1.05E+01	1.94E+01	2.08E+01	2.55E+01	3.57E+01
3.28E+00	1.25E-03	3.50E+01	1.04E+01	1.02E+01	1.89E+01	2.02E+01	2.47E+01	3.49E+01
3.48E+00	7.48E-04	3.41E+01	1.00E+01	9.90E+00	1.84E+01	1.96E+01	2.40E+01	3.40E+01
3.68E+00	4.34E-04	3.32E+01	9.71E+00	9.61E+00	1.79E+01	1.90E+01	2.32E+01	3.31E+01
3.89E+00	2.44E-04	3.23E+01	9.37E+00	9.31E+00	1.74E+01	1.84E+01	2.24E+01	3.22E+01
4.12E+00	1.33E-04	3.13E+01	9.02E+00	8.99E+00	1.68E+01	1.79E+01	2.16E+01	3.12E+01
4.36E+00	6.98E-05	3.03E+01	8.67E+00	8.67E+00	1.63E+01	1.73E+01	2.07E+01	3.03E+01
4.61E+00	3.53E-05	2.93E+01	8.32E+00	8.29E+00	1.57E+01	1.67E+01	1.99E+01	2.92E+01
4.88E+00	1.72E-05	2.83E+01	7.97E+00	7.85E+00	1.51E+01	1.61E+01	1.90E+01	2.82E+01
5.17E+00	8.01E-06	2.73E+01	7.61E+00	7.37E+00	1.46E+01	1.55E+01	1.82E+01	2.72E+01
5.47E+00	3.57E-06	2.62E+01	7.25E+00	6.99E+00	1.39E+01	1.49E+01	1.73E+01	2.61E+01
5.78E+00	1.52E-06	2.51E+01	6.90E+00	6.69E+00	1.33E+01	1.43E+01	1.64E+01	2.50E+01
6.12E+00	6.14E-07	2.40E+01	6.54E+00	6.38E+00	1.26E+01	1.36E+01	1.55E+01	2.39E+01
6.48E+00	2.36E-07	2.29E+01	6.18E+00	6.07E+00	1.19E+01	1.29E+01	1.47E+01	2.28E+01
6.86E+00	8.56E-08	2.18E+01	5.83E+00	5.76E+00	1.13E+01	1.22E+01	1.38E+01	2.17E+01
7.26E+00	2.93E-08	2.06E+01	5.48E+00	5.45E+00	1.06E+01	1.15E+01	1.30E+01	2.06E+01
7.68E+00	9.42E-09	1.95E+01	5.13E+00	5.12E+00	1.00E+01	1.07E+01	1.23E+01	1.95E+01
8.13E+00	2.84E-09	1.84E+01	4.79E+00	4.74E+00	9.34E+00	1.00E+01	1.16E+01	1.83E+01
8.60E+00	0.00E+00	1.73E+01	4.45E+00	4.42E+00	8.66E+00	9.39E+00	1.08E+01	1.72E+01
9.10E+00	0.00E+00	1.62E+01	4.13E+00	4.09E+00	8.00E+00	8.72E+00	1.01E+01	1.61E+01
9.63E+00	0.00E+00	1.51E+01	3.81E+00	3.78E+00	7.39E+00	8.12E+00	9.43E+00	1.50E+01
1.00E+01	0.00E+00	1.43E+01	3.60E+00	3.58E+00	6.93E+00	7.72E+00	8.97E+00	1.43E+01
1.02E+01	0.00E+00	1.40E+01	3.50E+00	3.48E+00	6.73E+00	7.52E+00	8.74E+00	1.39E+01

1.08E+01	0.00E+00	1.29E+01	3.20E+00	3.20E+00	6.12E+00	6.92E+00	8.06E+00	1.29E+01
1.14E+01	0.00E+00	1.19E+01	2.91E+00	2.90E+00	5.55E+00	6.33E+00	7.40E+00	1.18E+01
1.21E+01	0.00E+00	1.09E+01	2.64E+00	2.60E+00	5.07E+00	5.77E+00	6.76E+00	1.08E+01
1.28E+01	0.00E+00	9.91E+00	2.37E+00	2.31E+00	4.61E+00	5.23E+00	6.14E+00	9.88E+00
1.35E+01	0.00E+00	8.97E+00	2.13E+00	2.08E+00	4.17E+00	4.71E+00	5.55E+00	8.95E+00
1.43E+01	0.00E+00	8.08E+00	1.89E+00	1.86E+00	3.75E+00	4.22E+00	4.98E+00	8.06E+00
1.51E+01	0.00E+00	7.23E+00	1.67E+00	1.65E+00	3.36E+00	3.75E+00	4.45E+00	7.21E+00
1.60E+01	0.00E+00	6.43E+00	1.47E+00	1.45E+00	2.98E+00	3.32E+00	3.94E+00	6.41E+00
1.70E+01	0.00E+00	5.68E+00	1.28E+00	1.27E+00	2.63E+00	2.91E+00	3.47E+00	5.66E+00
1.80E+01	0.00E+00	4.98E+00	1.11E+00	1.10E+00	2.27E+00	2.53E+00	3.04E+00	4.97E+00
1.90E+01	0.00E+00	4.34E+00	9.49E-01	9.44E-01	1.94E+00	2.19E+00	2.63E+00	4.32E+00
2.01E+01	0.00E+00	3.74E+00	8.07E-01	8.03E-01	1.64E+00	1.87E+00	2.26E+00	3.73E+00
2.13E+01	0.00E+00	3.20E+00	6.80E-01	6.77E-01	1.37E+00	1.59E+00	1.93E+00	3.19E+00
2.25E+01	0.00E+00	2.72E+00	5.68E-01	5.56E-01	1.16E+00	1.34E+00	1.63E+00	2.71E+00
2.38E+01	0.00E+00	2.28E+00	4.69E-01	4.50E-01	9.72E-01	1.12E+00	1.36E+00	2.27E+00
2.52E+01	0.00E+00	1.90E+00	3.83E-01	3.60E-01	8.05E-01	9.22E-01	1.13E+00	1.89E+00
2.67E+01	0.00E+00	1.56E+00	3.09E-01	2.84E-01	6.60E-01	7.52E-01	9.23E-01	1.55E+00
2.82E+01	0.00E+00	1.27E+00	2.47E-01	2.19E-01	5.35E-01	6.07E-01	7.46E-01	1.26E+00
2.99E+01	0.00E+00	1.02E+00	1.95E-01	1.69E-01	4.25E-01	4.83E-01	5.96E-01	1.01E+00
3.00E+01	0.00E+00	1.00E+00	1.91E-01	1.66E-01	4.18E-01	4.76E-01	5.86E-01	9.99E-01
3.16E+01	0.00E+00	8.08E-01	1.51E-01	1.29E-01	3.35E-01	3.81E-01	4.70E-01	8.05E-01
3.35E+01	0.00E+00	6.32E-01	1.16E-01	9.62E-02	2.61E-01	2.96E-01	3.65E-01	6.29E-01
3.54E+01	0.00E+00	4.87E-01	8.74E-02	6.95E-02	2.00E-01	2.28E-01	2.80E-01	4.85E-01
3.75E+01	0.00E+00	3.70E-01	6.48E-02	4.99E-02	1.51E-01	1.73E-01	2.11E-01	3.69E-01
3.97E+01	0.00E+00	2.77E-01	4.73E-02	3.49E-02	1.12E-01	1.29E-01	1.57E-01	2.76E-01
4.20E+01	0.00E+00	2.03E-01	3.39E-02	2.42E-02	8.19E-02	9.50E-02	1.14E-01	2.03E-01
4.44E+01	0.00E+00	1.47E-01	2.38E-02	1.65E-02	5.88E-02	6.86E-02	8.16E-02	1.46E-01
4.70E+01	0.00E+00	1.04E-01	1.64E-02	1.10E-02	4.14E-02	4.85E-02	5.72E-02	1.03E-01
4.97E+01	0.00E+00	7.21E-02	1.10E-02	7.07E-03	2.85E-02	3.37E-02	3.93E-02	7.18E-02
5.26E+01	0.00E+00	4.90E-02	7.22E-03	4.41E-03	1.90E-02	2.29E-02	2.63E-02	4.88E-02
5.57E+01	0.00E+00	3.25E-02	4.64E-03	2.52E-03	1.23E-02	1.52E-02	1.73E-02	3.24E-02
5.90E+01	0.00E+00	2.11E-02	2.90E-03	1.44E-03	7.91E-03	9.82E-03	1.12E-02	2.10E-02
6.24E+01	0.00E+00	1.33E-02	1.76E-03	7.85E-04	4.98E-03	6.20E-03	7.04E-03	1.32E-02
6.60E+01	0.00E+00	8.18E-03	1.04E-03	3.87E-04	3.06E-03	3.81E-03	4.31E-03	8.14E-03
6.99E+01	0.00E+00	4.89E-03	5.93E-04	1.58E-04	1.81E-03	2.27E-03	2.56E-03	4.86E-03
7.39E+01	0.00E+00	2.83E-03	3.28E-04	5.75E-05	1.04E-03	1.28E-03	1.48E-03	2.82E-03
7.82E+01	0.00E+00	1.59E-03	1.76E-04	1.95E-05	5.82E-04	6.98E-04	8.24E-04	1.58E-03
8.28E+01	0.00E+00	8.61E-04	9.10E-05	5.04E-06	3.13E-04	3.65E-04	4.44E-04	8.57E-04
8.76E+01	0.00E+00	4.50E-04	4.57E-05	1.65E-06	1.62E-04	1.83E-04	2.30E-04	4.48E-04
9.27E+01	0.00E+00	2.26E-04	2.19E-05	6.17E-07	8.03E-05	8.85E-05	1.14E-04	2.25E-04
9.81E+01	0.00E+00	1.09E-04	1.01E-05	2.51E-12	3.80E-05	4.28E-05	5.46E-05	1.09E-04
1.00E+02	0.00E+00	8.49E-05	7.70E-06	1.34E-12	2.93E-05	3.33E-05	4.22E-05	8.44E-05
1.04E+02	0.00E+00	5.04E-05	4.42E-06	1.51E-13	1.74E-05	1.99E-05	2.49E-05	5.02E-05
1.10E+02	0.00E+00	2.22E-05	1.84E-06	6.94E-23	7.43E-06	8.87E-06	1.08E-05	2.21E-05
1.16E+02	0.00E+00	9.32E-06	7.27E-07	0.00E+00	2.98E-06	3.77E-06	4.50E-06	9.27E-06
1.23E+02	0.00E+00	3.70E-06	2.73E-07	0.00E+00	1.14E-06	1.52E-06	1.78E-06	3.68E-06
1.30E+02	0.00E+00	1.39E-06	9.64E-08	0.00E+00	4.06E-07	5.62E-07	6.67E-07	1.38E-06
1.38E+02	0.00E+00	4.90E-07	3.19E-08	0.00E+00	1.34E-07	1.84E-07	2.34E-07	4.87E-07
1.46E+02	0.00E+00	1.61E-07	9.78E-09	0.00E+00	4.10E-08	5.75E-08	7.69E-08	1.61E-07
1.54E+02	0.00E+00	4.94E-08	2.74E-09	0.00E+00	1.13E-08	1.79E-08	2.35E-08	4.92E-08
1.63E+02	0.00E+00	1.40E-08	6.96E-10	0.00E+00	2.74E-09	5.15E-09	6.78E-09	1.39E-08
1.73E+02	0.00E+00	3.59E-09	1.62E-10	0.00E+00	5.26E-10	1.37E-09	1.80E-09	3.58E-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	1.68E+00	4.80E+01	1.90E+01	1.73E+01	3.23E+01	3.85E+01	4.46E+01	4.79E+01
1.00E+00	6.76E-04	4.17E+01	1.56E+01	1.49E+01	2.78E+01	3.28E+01	3.88E+01	4.17E+01
1.06E+00	4.28E-04	4.13E+01	1.55E+01	1.48E+01	2.76E+01	3.25E+01	3.84E+01	4.13E+01
1.12E+00	2.64E-04	4.10E+01	1.53E+01	1.46E+01	2.73E+01	3.22E+01	3.81E+01	4.10E+01
1.19E+00	1.59E-04	4.06E+01	1.51E+01	1.45E+01	2.71E+01	3.19E+01	3.78E+01	4.06E+01
1.25E+00	9.25E-05	4.02E+01	1.49E+01	1.43E+01	2.68E+01	3.15E+01	3.74E+01	4.02E+01
1.33E+00	5.22E-05	3.98E+01	1.47E+01	1.39E+01	2.65E+01	3.12E+01	3.70E+01	3.98E+01
1.40E+00	2.85E-05	3.94E+01	1.45E+01	1.37E+01	2.62E+01	3.08E+01	3.66E+01	3.94E+01
1.49E+00	1.50E-05	3.89E+01	1.43E+01	1.36E+01	2.59E+01	3.04E+01	3.62E+01	3.89E+01
1.57E+00	7.64E-06	3.85E+01	1.41E+01	1.34E+01	2.56E+01	3.00E+01	3.58E+01	3.84E+01
1.66E+00	3.73E-06	3.80E+01	1.39E+01	1.32E+01	2.52E+01	2.95E+01	3.53E+01	3.80E+01
1.76E+00	1.75E-06	3.75E+01	1.37E+01	1.30E+01	2.49E+01	2.91E+01	3.48E+01	3.74E+01
1.86E+00	7.83E-07	3.69E+01	1.34E+01	1.28E+01	2.45E+01	2.86E+01	3.43E+01	3.69E+01
1.97E+00	3.35E-07	3.64E+01	1.32E+01	1.26E+01	2.41E+01	2.81E+01	3.38E+01	3.63E+01
2.09E+00	1.36E-07	3.58E+01	1.29E+01	1.24E+01	2.37E+01	2.76E+01	3.33E+01	3.58E+01
2.21E+00	5.26E-08	3.52E+01	1.27E+01	1.21E+01	2.33E+01	2.71E+01	3.27E+01	3.52E+01
2.34E+00	1.92E-08	3.45E+01	1.24E+01	1.19E+01	2.28E+01	2.65E+01	3.21E+01	3.45E+01
2.47E+00	6.62E-09	3.39E+01	1.21E+01	1.16E+01	2.24E+01	2.60E+01	3.15E+01	3.39E+01
2.62E+00	2.14E-09	3.32E+01	1.18E+01	1.13E+01	2.19E+01	2.54E+01	3.09E+01	3.32E+01
2.77E+00	6.50E-10	3.25E+01	1.15E+01	1.11E+01	2.14E+01	2.48E+01	3.02E+01	3.25E+01
2.93E+00	1.84E-10	3.18E+01	1.12E+01	1.08E+01	2.09E+01	2.41E+01	2.96E+01	3.18E+01
3.00E+00	1.08E-10	3.15E+01	1.11E+01	1.07E+01	2.07E+01	2.39E+01	2.93E+01	3.15E+01
3.10E+00	4.83E-11	3.10E+01	1.09E+01	1.05E+01	2.04E+01	2.35E+01	2.89E+01	3.10E+01
3.28E+00	1.17E-11	3.02E+01	1.06E+01	1.02E+01	1.99E+01	2.28E+01	2.81E+01	3.02E+01
3.48E+00	2.63E-12	2.94E+01	1.03E+01	9.87E+00	1.93E+01	2.21E+01	2.74E+01	2.94E+01
3.68E+00	5.39E-13	2.86E+01	9.95E+00	9.59E+00	1.88E+01	2.14E+01	2.66E+01	2.86E+01
3.89E+00	1.01E-13	2.78E+01	9.61E+00	9.30E+00	1.82E+01	2.07E+01	2.58E+01	2.78E+01
4.12E+00	1.71E-14	2.69E+01	9.27E+00	9.00E+00	1.76E+01	2.00E+01	2.50E+01	2.69E+01
4.36E+00	0.00E+00	2.60E+01	8.92E+00	8.69E+00	1.71E+01	1.94E+01	2.42E+01	2.60E+01
4.61E+00	0.00E+00	2.51E+01	8.57E+00	8.38E+00	1.65E+01	1.88E+01	2.34E+01	2.51E+01
4.88E+00	0.00E+00	2.42E+01	8.22E+00	8.06E+00	1.59E+01	1.81E+01	2.25E+01	2.42E+01
5.17E+00	0.00E+00	2.32E+01	7.86E+00	7.73E+00	1.52E+01	1.74E+01	2.16E+01	2.32E+01
5.47E+00	0.00E+00	2.23E+01	7.49E+00	7.40E+00	1.46E+01	1.68E+01	2.07E+01	2.23E+01
5.78E+00	0.00E+00	2.13E+01	7.13E+00	7.07E+00	1.40E+01	1.61E+01	1.98E+01	2.13E+01
6.12E+00	0.00E+00	2.03E+01	6.77E+00	6.68E+00	1.34E+01	1.54E+01	1.89E+01	2.03E+01
6.48E+00	0.00E+00	1.93E+01	6.40E+00	6.30E+00	1.27E+01	1.46E+01	1.80E+01	1.93E+01
6.86E+00	0.00E+00	1.83E+01	6.04E+00	5.97E+00	1.21E+01	1.39E+01	1.71E+01	1.83E+01
7.26E+00	0.00E+00	1.73E+01	5.68E+00	5.64E+00	1.15E+01	1.32E+01	1.61E+01	1.73E+01
7.68E+00	0.00E+00	1.63E+01	5.32E+00	5.31E+00	1.08E+01	1.25E+01	1.52E+01	1.63E+01
8.13E+00	0.00E+00	1.53E+01	4.97E+00	5.00E+00	1.02E+01	1.18E+01	1.43E+01	1.53E+01
8.60E+00	0.00E+00	1.43E+01	4.63E+00	4.68E+00	9.51E+00	1.11E+01	1.34E+01	1.43E+01
9.10E+00	0.00E+00	1.34E+01	4.29E+00	4.38E+00	8.85E+00	1.03E+01	1.25E+01	1.34E+01
9.63E+00	0.00E+00	1.24E+01	3.96E+00	4.07E+00	8.12E+00	9.64E+00	1.16E+01	1.24E+01
1.00E+01	0.00E+00	1.18E+01	3.74E+00	3.87E+00	7.65E+00	9.17E+00	1.10E+01	1.18E+01
1.02E+01	0.00E+00	1.15E+01	3.63E+00	3.77E+00	7.41E+00	8.94E+00	1.07E+01	1.15E+01
1.08E+01	0.00E+00	1.05E+01	3.32E+00	3.45E+00	6.73E+00	8.27E+00	9.83E+00	1.05E+01

1.14E+01	0.00E+00	9.65E+00	3.02E+00	3.12E+00	6.08E+00	7.60E+00	9.00E+00	9.65E+00
1.21E+01	0.00E+00	8.79E+00	2.74E+00	2.82E+00	5.46E+00	6.96E+00	8.20E+00	8.79E+00
1.28E+01	0.00E+00	7.96E+00	2.46E+00	2.52E+00	4.87E+00	6.34E+00	7.42E+00	7.96E+00
1.35E+01	0.00E+00	7.17E+00	2.21E+00	2.24E+00	4.41E+00	5.74E+00	6.69E+00	7.17E+00
1.43E+01	0.00E+00	6.42E+00	1.96E+00	1.99E+00	3.97E+00	5.17E+00	5.99E+00	6.42E+00
1.51E+01	0.00E+00	5.71E+00	1.73E+00	1.76E+00	3.55E+00	4.63E+00	5.32E+00	5.71E+00
1.60E+01	0.00E+00	5.04E+00	1.52E+00	1.54E+00	3.15E+00	4.12E+00	4.72E+00	5.04E+00
1.70E+01	0.00E+00	4.43E+00	1.32E+00	1.35E+00	2.78E+00	3.63E+00	4.16E+00	4.43E+00
1.80E+01	0.00E+00	3.89E+00	1.15E+00	1.17E+00	2.44E+00	3.19E+00	3.62E+00	3.89E+00
1.90E+01	0.00E+00	3.39E+00	9.82E-01	1.00E+00	2.12E+00	2.77E+00	3.13E+00	3.39E+00
2.01E+01	0.00E+00	2.92E+00	8.35E-01	8.51E-01	1.83E+00	2.39E+00	2.68E+00	2.92E+00
2.13E+01	0.00E+00	2.50E+00	7.03E-01	7.16E-01	1.56E+00	2.04E+00	2.27E+00	2.50E+00
2.25E+01	0.00E+00	2.13E+00	5.86E-01	5.86E-01	1.32E+00	1.73E+00	1.91E+00	2.12E+00
2.38E+01	0.00E+00	1.79E+00	4.84E-01	4.75E-01	1.11E+00	1.45E+00	1.59E+00	1.79E+00
2.52E+01	0.00E+00	1.49E+00	3.96E-01	3.86E-01	9.23E-01	1.21E+00	1.31E+00	1.49E+00
2.67E+01	0.00E+00	1.22E+00	3.20E-01	3.10E-01	7.60E-01	9.91E-01	1.07E+00	1.22E+00
2.82E+01	0.00E+00	9.96E-01	2.55E-01	2.46E-01	6.18E-01	8.05E-01	8.56E-01	9.95E-01
2.99E+01	0.00E+00	8.01E-01	2.01E-01	1.93E-01	4.97E-01	6.44E-01	6.81E-01	8.00E-01
3.00E+01	0.00E+00	7.88E-01	1.97E-01	1.90E-01	4.89E-01	6.34E-01	6.70E-01	7.87E-01
3.16E+01	0.00E+00	6.36E-01	1.56E-01	1.49E-01	3.94E-01	5.05E-01	5.36E-01	6.35E-01
3.35E+01	0.00E+00	4.98E-01	1.19E-01	1.12E-01	3.05E-01	3.90E-01	4.16E-01	4.97E-01
3.54E+01	0.00E+00	3.85E-01	9.01E-02	8.30E-02	2.32E-01	2.97E-01	3.18E-01	3.84E-01
3.75E+01	0.00E+00	2.92E-01	6.69E-02	6.11E-02	1.74E-01	2.22E-01	2.40E-01	2.92E-01
3.97E+01	0.00E+00	2.19E-01	4.88E-02	4.35E-02	1.28E-01	1.63E-01	1.78E-01	2.19E-01
4.20E+01	0.00E+00	1.61E-01	3.50E-02	3.00E-02	9.10E-02	1.18E-01	1.30E-01	1.61E-01
4.44E+01	0.00E+00	1.17E-01	2.46E-02	2.06E-02	6.32E-02	8.34E-02	9.36E-02	1.16E-01
4.70E+01	0.00E+00	8.27E-02	1.69E-02	1.39E-02	4.36E-02	5.77E-02	6.63E-02	8.25E-02
4.97E+01	0.00E+00	5.75E-02	1.14E-02	9.06E-03	3.02E-02	3.91E-02	4.59E-02	5.74E-02
5.26E+01	0.00E+00	3.91E-02	7.51E-03	5.73E-03	2.03E-02	2.58E-02	3.12E-02	3.90E-02
5.57E+01	0.00E+00	2.60E-02	4.83E-03	3.58E-03	1.33E-02	1.66E-02	2.07E-02	2.60E-02
5.90E+01	0.00E+00	1.69E-02	3.02E-03	2.06E-03	8.58E-03	1.06E-02	1.34E-02	1.69E-02
6.24E+01	0.00E+00	1.07E-02	1.84E-03	9.94E-04	5.35E-03	6.68E-03	8.45E-03	1.07E-02
6.60E+01	0.00E+00	6.61E-03	1.08E-03	4.78E-04	3.18E-03	4.11E-03	5.19E-03	6.60E-03
6.99E+01	0.00E+00	3.96E-03	6.17E-04	2.08E-04	1.83E-03	2.38E-03	3.09E-03	3.95E-03
7.39E+01	0.00E+00	2.31E-03	3.42E-04	8.07E-05	1.01E-03	1.35E-03	1.79E-03	2.30E-03
7.82E+01	0.00E+00	1.30E-03	1.84E-04	3.80E-05	5.42E-04	7.41E-04	1.00E-03	1.30E-03
8.28E+01	0.00E+00	7.08E-04	9.52E-05	1.44E-05	2.78E-04	3.93E-04	5.42E-04	7.06E-04
8.76E+01	0.00E+00	3.72E-04	4.72E-05	3.35E-06	1.35E-04	2.00E-04	2.82E-04	3.71E-04
9.27E+01	0.00E+00	1.88E-04	2.25E-05	5.08E-07	6.25E-05	9.76E-05	1.41E-04	1.88E-04
9.81E+01	0.00E+00	9.16E-05	1.02E-05	2.92E-09	2.94E-05	4.54E-05	6.79E-05	9.13E-05
1.00E+02	0.00E+00	7.13E-05	7.75E-06	1.58E-09	2.27E-05	3.48E-05	5.27E-05	7.11E-05
1.04E+02	0.00E+00	4.26E-05	4.40E-06	6.32E-10	1.32E-05	2.05E-05	3.12E-05	4.25E-05
1.10E+02	0.00E+00	1.90E-05	1.80E-06	7.44E-13	5.66E-06	8.97E-06	1.37E-05	1.89E-05
1.16E+02	0.00E+00	8.05E-06	6.99E-07	1.28E-17	2.28E-06	3.73E-06	5.68E-06	8.02E-06
1.23E+02	0.00E+00	3.24E-06	2.55E-07	0.00E+00	8.51E-07	1.46E-06	2.23E-06	3.23E-06
1.30E+02	0.00E+00	1.24E-06	8.87E-08	0.00E+00	3.02E-07	5.41E-07	8.26E-07	1.23E-06
1.38E+02	0.00E+00	4.44E-07	2.91E-08	0.00E+00	9.73E-08	1.87E-07	2.86E-07	4.43E-07
1.46E+02	0.00E+00	1.50E-07	8.87E-09	0.00E+00	2.47E-08	6.02E-08	9.21E-08	1.49E-07
1.54E+02	0.00E+00	4.74E-08	2.45E-09	0.00E+00	5.71E-09	1.80E-08	2.76E-08	4.72E-08
1.63E+02	0.00E+00	1.39E-08	6.34E-10	0.00E+00	1.32E-09	4.97E-09	7.73E-09	1.39E-08
1.73E+02	0.00E+00	3.78E-09	1.51E-10	0.00E+00	2.88E-10	1.24E-09	1.97E-09	3.76E-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	1.47E+00	4.20E+01	1.89E+01	1.68E+01	3.07E+01	3.34E+01	3.76E+01	4.20E+01
1.00E+00	4.90E-04	3.66E+01	1.55E+01	1.41E+01	2.57E+01	2.91E+01	3.25E+01	3.66E+01
1.06E+00	3.07E-04	3.63E+01	1.54E+01	1.40E+01	2.55E+01	2.88E+01	3.22E+01	3.63E+01
1.12E+00	1.88E-04	3.60E+01	1.52E+01	1.38E+01	2.52E+01	2.86E+01	3.19E+01	3.60E+01
1.19E+00	1.11E-04	3.57E+01	1.50E+01	1.37E+01	2.49E+01	2.83E+01	3.16E+01	3.57E+01
1.25E+00	6.40E-05	3.54E+01	1.48E+01	1.36E+01	2.46E+01	2.81E+01	3.13E+01	3.53E+01
1.33E+00	3.56E-05	3.50E+01	1.46E+01	1.35E+01	2.44E+01	2.78E+01	3.10E+01	3.50E+01
1.40E+00	1.92E-05	3.46E+01	1.44E+01	1.33E+01	2.40E+01	2.75E+01	3.06E+01	3.46E+01
1.49E+00	9.96E-06	3.42E+01	1.42E+01	1.32E+01	2.37E+01	2.72E+01	3.03E+01	3.42E+01
1.57E+00	4.98E-06	3.38E+01	1.40E+01	1.30E+01	2.34E+01	2.69E+01	2.99E+01	3.38E+01
1.66E+00	2.39E-06	3.34E+01	1.38E+01	1.28E+01	2.30E+01	2.66E+01	2.95E+01	3.34E+01
1.76E+00	1.10E-06	3.30E+01	1.36E+01	1.27E+01	2.27E+01	2.62E+01	2.91E+01	3.30E+01
1.86E+00	4.83E-07	3.25E+01	1.33E+01	1.25E+01	2.23E+01	2.59E+01	2.87E+01	3.25E+01
1.97E+00	2.02E-07	3.20E+01	1.31E+01	1.23E+01	2.19E+01	2.55E+01	2.82E+01	3.20E+01
2.09E+00	8.06E-08	3.15E+01	1.28E+01	1.21E+01	2.16E+01	2.51E+01	2.78E+01	3.15E+01
2.21E+00	3.04E-08	3.10E+01	1.26E+01	1.19E+01	2.12E+01	2.47E+01	2.73E+01	3.10E+01
2.34E+00	1.09E-08	3.05E+01	1.23E+01	1.17E+01	2.08E+01	2.43E+01	2.69E+01	3.04E+01
2.47E+00	3.65E-09	2.99E+01	1.20E+01	1.13E+01	2.05E+01	2.38E+01	2.64E+01	2.99E+01
2.62E+00	1.15E-09	2.93E+01	1.17E+01	1.11E+01	2.01E+01	2.34E+01	2.59E+01	2.93E+01
2.77E+00	3.39E-10	2.87E+01	1.14E+01	1.09E+01	1.97E+01	2.29E+01	2.53E+01	2.87E+01
2.93E+00	9.30E-11	2.81E+01	1.11E+01	1.06E+01	1.92E+01	2.24E+01	2.48E+01	2.81E+01
3.00E+00	5.41E-11	2.78E+01	1.10E+01	1.05E+01	1.91E+01	2.22E+01	2.45E+01	2.78E+01
3.10E+00	2.37E-11	2.74E+01	1.08E+01	1.04E+01	1.88E+01	2.19E+01	2.42E+01	2.74E+01
3.28E+00	5.56E-12	2.68E+01	1.05E+01	1.01E+01	1.83E+01	2.14E+01	2.36E+01	2.67E+01
3.48E+00	1.20E-12	2.61E+01	1.02E+01	9.85E+00	1.77E+01	2.08E+01	2.30E+01	2.60E+01
3.68E+00	2.37E-13	2.53E+01	9.83E+00	9.57E+00	1.72E+01	2.03E+01	2.24E+01	2.53E+01
3.89E+00	4.27E-14	2.46E+01	9.50E+00	9.29E+00	1.67E+01	1.97E+01	2.17E+01	2.46E+01
4.12E+00	6.94E-15	2.39E+01	9.16E+00	8.92E+00	1.62E+01	1.90E+01	2.11E+01	2.38E+01
4.36E+00	1.02E-15	2.31E+01	8.81E+00	8.63E+00	1.57E+01	1.83E+01	2.04E+01	2.31E+01
4.61E+00	1.33E-16	2.23E+01	8.46E+00	8.33E+00	1.51E+01	1.76E+01	1.97E+01	2.23E+01
4.88E+00	1.54E-17	2.15E+01	8.11E+00	8.03E+00	1.46E+01	1.69E+01	1.90E+01	2.15E+01
5.17E+00	1.58E-18	2.07E+01	7.76E+00	7.73E+00	1.41E+01	1.62E+01	1.83E+01	2.07E+01
5.47E+00	1.42E-19	1.98E+01	7.40E+00	7.42E+00	1.35E+01	1.54E+01	1.75E+01	1.98E+01
5.78E+00	1.11E-20	1.90E+01	7.04E+00	7.10E+00	1.29E+01	1.47E+01	1.68E+01	1.90E+01
6.12E+00	7.45E-22	1.81E+01	6.68E+00	6.78E+00	1.24E+01	1.39E+01	1.60E+01	1.81E+01
6.48E+00	4.28E-23	1.73E+01	6.32E+00	6.44E+00	1.18E+01	1.32E+01	1.53E+01	1.72E+01
6.86E+00	2.08E-24	1.64E+01	5.97E+00	6.08E+00	1.12E+01	1.24E+01	1.45E+01	1.64E+01
7.26E+00	8.50E-26	1.55E+01	5.61E+00	5.66E+00	1.06E+01	1.17E+01	1.37E+01	1.55E+01
7.68E+00	2.87E-27	1.46E+01	5.26E+00	5.24E+00	1.00E+01	1.10E+01	1.29E+01	1.46E+01
8.13E+00	7.88E-29	1.38E+01	4.91E+00	4.82E+00	9.46E+00	1.04E+01	1.22E+01	1.38E+01
8.60E+00	0.00E+00	1.29E+01	4.57E+00	4.48E+00	8.83E+00	9.67E+00	1.14E+01	1.29E+01
9.10E+00	0.00E+00	1.20E+01	4.24E+00	4.14E+00	8.21E+00	9.00E+00	1.07E+01	1.20E+01
9.63E+00	0.00E+00	1.12E+01	3.91E+00	3.82E+00	7.60E+00	8.35E+00	9.91E+00	1.12E+01
1.00E+01	0.00E+00	1.06E+01	3.70E+00	3.62E+00	7.20E+00	7.92E+00	9.42E+00	1.06E+01
1.02E+01	0.00E+00	1.04E+01	3.60E+00	3.52E+00	7.00E+00	7.71E+00	9.17E+00	1.04E+01
1.08E+01	0.00E+00	9.55E+00	3.29E+00	3.23E+00	6.42E+00	7.09E+00	8.46E+00	9.54E+00

1.14E+01	0.00E+00	8.76E+00	3.00E+00	2.95E+00	5.89E+00	6.49E+00	7.76E+00	8.75E+00
1.21E+01	0.00E+00	7.99E+00	2.71E+00	2.65E+00	5.38E+00	5.91E+00	7.08E+00	7.99E+00
1.28E+01	0.00E+00	7.26E+00	2.45E+00	2.37E+00	4.90E+00	5.35E+00	6.43E+00	7.25E+00
1.35E+01	0.00E+00	6.55E+00	2.19E+00	2.10E+00	4.42E+00	4.82E+00	5.81E+00	6.55E+00
1.43E+01	0.00E+00	5.88E+00	1.95E+00	1.85E+00	3.97E+00	4.31E+00	5.21E+00	5.87E+00
1.51E+01	0.00E+00	5.24E+00	1.72E+00	1.63E+00	3.54E+00	3.83E+00	4.65E+00	5.24E+00
1.60E+01	0.00E+00	4.64E+00	1.51E+00	1.44E+00	3.15E+00	3.38E+00	4.12E+00	4.64E+00
1.70E+01	0.00E+00	4.08E+00	1.32E+00	1.25E+00	2.78E+00	2.97E+00	3.62E+00	4.08E+00
1.80E+01	0.00E+00	3.56E+00	1.14E+00	1.08E+00	2.43E+00	2.61E+00	3.16E+00	3.56E+00
1.90E+01	0.00E+00	3.09E+00	9.78E-01	9.31E-01	2.11E+00	2.27E+00	2.74E+00	3.08E+00
2.01E+01	0.00E+00	2.65E+00	8.32E-01	7.85E-01	1.82E+00	1.95E+00	2.35E+00	2.65E+00
2.13E+01	0.00E+00	2.26E+00	7.02E-01	6.53E-01	1.55E+00	1.67E+00	2.00E+00	2.25E+00
2.25E+01	0.00E+00	1.90E+00	5.85E-01	5.45E-01	1.30E+00	1.42E+00	1.69E+00	1.90E+00
2.38E+01	0.00E+00	1.59E+00	4.83E-01	4.50E-01	1.08E+00	1.19E+00	1.41E+00	1.59E+00
2.52E+01	0.00E+00	1.31E+00	3.95E-01	3.61E-01	8.90E-01	9.88E-01	1.17E+00	1.31E+00
2.67E+01	0.00E+00	1.07E+00	3.19E-01	2.88E-01	7.26E-01	8.12E-01	9.53E-01	1.07E+00
2.82E+01	0.00E+00	8.65E-01	2.54E-01	2.29E-01	5.86E-01	6.60E-01	7.69E-01	8.64E-01
2.99E+01	0.00E+00	6.90E-01	2.00E-01	1.79E-01	4.67E-01	5.30E-01	6.13E-01	6.89E-01
3.00E+01	0.00E+00	6.79E-01	1.97E-01	1.76E-01	4.59E-01	5.21E-01	6.03E-01	6.78E-01
3.16E+01	0.00E+00	5.43E-01	1.55E-01	1.38E-01	3.67E-01	4.20E-01	4.83E-01	5.42E-01
3.35E+01	0.00E+00	4.21E-01	1.19E-01	1.04E-01	2.85E-01	3.28E-01	3.76E-01	4.21E-01
3.54E+01	0.00E+00	3.22E-01	8.94E-02	7.63E-02	2.17E-01	2.53E-01	2.88E-01	3.21E-01
3.75E+01	0.00E+00	2.42E-01	6.63E-02	5.46E-02	1.62E-01	1.92E-01	2.17E-01	2.42E-01
3.97E+01	0.00E+00	1.79E-01	4.83E-02	3.82E-02	1.19E-01	1.43E-01	1.61E-01	1.79E-01
4.20E+01	0.00E+00	1.30E-01	3.46E-02	2.64E-02	8.55E-02	1.05E-01	1.17E-01	1.30E-01
4.44E+01	0.00E+00	9.29E-02	2.43E-02	1.78E-02	6.04E-02	7.58E-02	8.40E-02	9.28E-02
4.70E+01	0.00E+00	6.49E-02	1.67E-02	1.17E-02	4.18E-02	5.36E-02	5.89E-02	6.49E-02
4.97E+01	0.00E+00	4.45E-02	1.13E-02	7.43E-03	2.89E-02	3.71E-02	4.05E-02	4.44E-02
5.26E+01	0.00E+00	2.98E-02	7.44E-03	4.55E-03	1.96E-02	2.52E-02	2.72E-02	2.98E-02
5.57E+01	0.00E+00	1.95E-02	4.78E-03	2.70E-03	1.28E-02	1.67E-02	1.79E-02	1.95E-02
5.90E+01	0.00E+00	1.24E-02	2.99E-03	1.57E-03	8.10E-03	1.06E-02	1.14E-02	1.24E-02
6.24E+01	0.00E+00	7.72E-03	1.82E-03	8.66E-04	4.98E-03	6.53E-03	7.14E-03	7.72E-03
6.60E+01	0.00E+00	4.66E-03	1.08E-03	4.62E-04	2.97E-03	4.01E-03	4.35E-03	4.66E-03
6.99E+01	0.00E+00	2.73E-03	6.16E-04	2.37E-04	1.72E-03	2.39E-03	2.59E-03	2.73E-03
7.39E+01	0.00E+00	1.55E-03	3.42E-04	1.14E-04	9.58E-04	1.37E-03	1.49E-03	1.55E-03
7.82E+01	0.00E+00	8.64E-04	1.83E-04	4.75E-05	5.31E-04	7.60E-04	8.27E-04	8.63E-04
8.28E+01	0.00E+00	4.64E-04	9.43E-05	1.71E-05	2.86E-04	4.09E-04	4.43E-04	4.64E-04
8.76E+01	0.00E+00	2.41E-04	4.67E-05	4.26E-06	1.48E-04	2.12E-04	2.28E-04	2.41E-04
9.27E+01	0.00E+00	1.20E-04	2.22E-05	1.14E-07	7.36E-05	1.05E-04	1.13E-04	1.20E-04
9.81E+01	0.00E+00	5.73E-05	1.02E-05	2.17E-08	3.44E-05	5.03E-05	5.35E-05	5.72E-05
1.00E+02	0.00E+00	4.43E-05	7.72E-06	1.42E-08	2.67E-05	3.89E-05	4.14E-05	4.43E-05
1.04E+02	0.00E+00	2.61E-05	4.40E-06	3.02E-10	1.57E-05	2.30E-05	2.45E-05	2.61E-05
1.10E+02	0.00E+00	1.14E-05	1.81E-06	4.56E-14	6.85E-06	9.99E-06	1.07E-05	1.14E-05
1.16E+02	0.00E+00	4.71E-06	6.96E-07	0.00E+00	2.83E-06	4.12E-06	4.47E-06	4.70E-06
1.23E+02	0.00E+00	1.84E-06	2.53E-07	0.00E+00	1.11E-06	1.60E-06	1.76E-06	1.84E-06
1.30E+02	0.00E+00	6.79E-07	8.74E-08	0.00E+00	4.10E-07	5.85E-07	6.53E-07	6.79E-07
1.38E+02	0.00E+00	2.35E-07	2.85E-08	0.00E+00	1.41E-07	2.00E-07	2.31E-07	2.35E-07
1.46E+02	0.00E+00	7.97E-08	8.62E-09	0.00E+00	4.10E-08	6.32E-08	7.45E-08	7.97E-08
1.54E+02	0.00E+00	2.54E-08	2.38E-09	0.00E+00	1.13E-08	1.83E-08	2.22E-08	2.54E-08
1.63E+02	0.00E+00	7.56E-09	6.04E-10	0.00E+00	2.79E-09	4.79E-09	6.08E-09	7.55E-09
1.73E+02	0.00E+00	2.09E-09	1.37E-10	0.00E+00	5.82E-10	1.10E-09	1.50E-09	2.08E-09
1.83E+02	0.00E+00	5.31E-10	2.78E-11	0.00E+00	7.88E-11	2.57E-10	3.24E-10	5.29E-10

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.916E+01
2	0.000E+00	1.896E+01
3	0.000E+00	1.889E+01

Coefficients for peak of mean dose time Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	0.12	8	0.05	5	0.17	9	0.07
Thickness of Unsaturated zone 1	17	-0.02	17	-0.01	6	-0.16	10	-0.06
Runoff coefficient	6	-0.17	5	-0.07	8	-0.13	11	-0.05
Wind Speed	15	0.03	15	0.01	13	0.08	14	0.03
Well pump intake depth	11	0.09	11	0.04	4	0.18	8	0.07
External gamma shielding factor	3	0.67	3	0.41	3	0.64	3	0.32
Inhalation rate	18	0.01	18	0.00	15	-0.07	15	-0.03
Soil ingestion	12	0.08	13	0.03	18	0.00	18	0.00
Thickness of Unsaturated zone 2	9	0.09	9	0.04	16	0.06	16	0.02
Thickness of contaminated zone	2	0.79	2	0.56	1	0.84	2	0.60
Depth of soil mixing layer	5	-0.17	6	-0.07	17	-0.05	17	-0.02
Mass loading for inhalation	7	-0.13	7	-0.05	9	0.13	12	0.05
Kd of Co-60 in Contaminated Zone	4	-0.22	4	-0.12	14	-0.08	5	-0.13
Kd of Co-60 in Unsaturated Zone 1	14	0.05	14	0.02	10	0.10	6	0.10
Kd of Co-60 in Unsaturated Zone 2	13	0.07	12	0.03	12	0.09	7	0.08
Kd of Co-60 in Saturated Zone	10	0.09	10	0.04	7	0.13	4	0.14
Aquatic food	16	0.02	16	0.01	11	-0.10	13	-0.04
Indoor time fraction	1	0.81	1	0.59	2	0.84	1	0.60
R-SQUARE		0.83		0.83		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 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
Depth of roots	4	0.11	4	0.05	10	-0.06	12	-0.03
Thickness of Unsaturated zone 1	7	0.09	8	0.05	8	0.09	11	0.04
Runoff coefficient	6	-0.09	7	-0.05	11	-0.04	13	-0.02
Wind Speed	9	-0.09	10	-0.04	17	-0.01	17	-0.01
Well pump intake depth	10	0.08	11	0.04	6	0.11	9	0.05
External gamma shielding factor	3	0.62	3	0.39	3	0.53	3	0.28
Inhalation rate	17	0.00	18	0.00	13	-0.03	14	-0.01
Soil ingestion	13	0.03	13	0.02	4	-0.19	5	-0.09
Thickness of Unsaturated zone 2	5	-0.10	6	-0.05	5	-0.19	7	-0.08
Thickness of contaminated zone	2	0.72	2	0.51	1	0.81	1	0.61
Depth of soil mixing layer	14	-0.01	14	-0.01	18	0.00	18	0.00
Mass loading for inhalation	15	0.01	16	0.00	14	0.03	15	0.01
Kd of Co-60 in Contaminated Zone	18	0.00	17	0.00	16	-0.02	8	-0.05
Kd of Co-60 in Unsaturated Zone 1	16	-0.01	15	0.00	7	0.09	4	0.13
Kd of Co-60 in Unsaturated Zone 2	11	0.07	9	0.04	9	0.07	6	0.08
Kd of Co-60 in Saturated Zone	8	0.09	5	0.05	12	0.03	10	0.04
Aquatic food	12	0.05	12	0.02	15	0.02	16	0.01
Indoor time fraction	1	0.77	1	0.59	2	0.80	2	0.59
R-SQUARE		0.77		0.77		0.81		0.81

-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
Depth of roots	12 -0.05	12 -0.02	13 -0.05	13 -0.02
Thickness of Unsaturated zone 1	13 0.04	13 0.02	12 0.06	12 0.02
Runoff coefficient	11 0.09	11 0.04	15 -0.04	15 -0.02
Wind Speed	6 0.15	8 0.07	17 -0.02	17 -0.01
Well pump intake depth	17 0.02	17 0.01	9 -0.10	9 -0.04
External gamma shielding factor	3 0.45	3 0.23	3 0.49	5 0.22
Inhalation rate	10 -0.09	10 -0.04	18 0.02	18 0.01
Soil ingestion	18 0.02	18 0.01	7 0.14	8 0.06
Thickness of Unsaturated zone 2	14 -0.04	14 -0.02	11 0.07	11 0.03
Thickness of contaminated zone	2 0.79	2 0.60	1 0.85	1 0.65
Depth of soil mixing layer	5 0.16	6 0.07	14 0.04	14 0.02
Mass loading for inhalation	4 0.24	5 0.11	16 0.03	16 0.01
Kd of Co-60 in Contaminated Zone	9 -0.09	7 -0.07	8 -0.11	3 -0.25
Kd of Co-60 in Unsaturated Zone 1	8 0.10	9 0.05	4 0.20	4 0.23
Kd of Co-60 in Unsaturated Zone 2	7 0.15	4 0.11	5 0.15	7 0.18
Kd of Co-60 in Saturated Zone	16 -0.03	16 -0.01	6 0.14	6 0.18
Aquatic food	15 -0.04	15 -0.02	10 -0.10	10 -0.04
Indoor time fraction	1 0.82	1 0.68	2 0.83	2 0.58
R-SQUARE	0.79	0.79	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 All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1	1	1	1	1	1	1	1
Depth of roots	8	0.12	8	0.05	5	0.17	9	0.07
Thickness of Unsaturated zone 1	17	-0.02	17	-0.01	6	-0.16	10	-0.06
Runoff coefficient	6	-0.17	5	-0.07	8	-0.13	11	-0.05
Wind Speed	15	0.03	15	0.01	13	0.08	14	0.03
Well pump intake depth	11	0.09	11	0.04	4	0.18	8	0.07
External gamma shielding factor	3	0.67	3	0.41	3	0.64	3	0.32
Inhalation rate	18	0.01	18	0.00	15	-0.07	15	-0.03
Soil ingestion	12	0.08	13	0.03	18	0.00	18	0.00
Thickness of Unsaturated zone 2	9	0.09	9	0.04	16	0.06	16	0.02
Thickness of contaminated zone	2	0.79	2	0.56	1	0.84	2	0.60
Depth of soil mixing layer	5	-0.17	6	-0.07	17	-0.05	17	-0.02
Mass loading for inhalation	7	-0.13	7	-0.05	9	0.13	12	0.05
Kd of Co-60 in Contaminated Zone	4	-0.22	4	-0.12	14	-0.08	5	-0.13
Kd of Co-60 in Unsaturated Zone 1	14	0.05	14	0.02	10	0.10	6	0.10
Kd of Co-60 in Unsaturated Zone 2	13	0.07	12	0.03	12	0.09	7	0.08
Kd of Co-60 in Saturated Zone	10	0.09	10	0.04	7	0.13	4	0.14
Aquatic food	16	0.02	16	0.01	11	-0.10	13	-0.04
Indoor time fraction	1	0.81	1	0.59	2	0.84	1	0.60
R-SQUARE	0.83		0.83		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 All Pathways Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	4 0.11	4 0.05	10 -0.06	12 -0.03
Thickness of Unsaturated zone 1	7 0.09	7 0.05	8 0.09	11 0.04
Runoff coefficient	6 -0.09	8 -0.05	11 -0.04	13 -0.02
Wind Speed	9 -0.09	10 -0.04	17 -0.01	17 -0.01
Well pump intake depth	10 0.08	11 0.04	6 0.11	9 0.05
External gamma shielding factor	3 0.62	3 0.39	3 0.53	3 0.28
Inhalation rate	17 0.00	18 0.00	13 -0.03	14 -0.01
Soil ingestion	13 0.03	13 0.02	4 -0.19	5 -0.09
Thickness of Unsaturated zone 2	5 -0.10	6 -0.05	5 -0.19	7 -0.08
Thickness of contaminated zone	2 0.72	2 0.51	1 0.81	1 0.61
Depth of soil mixing layer	14 -0.01	14 -0.01	18 0.00	18 0.00
Mass loading for inhalation	15 0.01	16 0.00	14 0.03	15 0.01
Kd of Co-60 in Contaminated Zone	18 0.00	17 0.00	16 -0.02	8 -0.05
Kd of Co-60 in Unsaturated Zone 1	16 -0.01	15 0.00	7 0.09	4 0.13
Kd of Co-60 in Unsaturated Zone 2	11 0.07	9 0.04	9 0.07	6 0.09
Kd of Co-60 in Saturated Zone	8 0.09	5 0.05	12 0.03	10 0.04
Aquatic food	12 0.05	12 0.02	15 0.02	16 0.01
Indoor time fraction	1 0.77	1 0.59	2 0.80	2 0.59
R-SQUARE	0.77	0.77	0.81	0.81

-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	Sig Coeff		Sig Coeff		Sig Coeff		Sig Coeff	
Depth of roots	12	-0.05	12	-0.02	13	-0.05	13	-0.02
Thickness of Unsaturated zone 1	13	0.04	13	0.02	12	0.06	12	0.02
Runoff coefficient	11	0.09	11	0.04	15	-0.04	15	-0.02
Wind Speed	6	0.15	8	0.07	17	-0.02	17	-0.01
Well pump intake depth	17	0.02	17	0.01	9	-0.10	9	-0.04
External gamma shielding factor	3	0.45	3	0.23	3	0.49	5	0.22
Inhalation rate	10	-0.09	10	-0.04	18	0.02	18	0.01
Soil ingestion	18	0.02	18	0.01	7	0.14	8	0.06
Thickness of Unsaturated zone 2	14	-0.04	14	-0.02	11	0.07	11	0.03
Thickness of contaminated zone	2	0.79	2	0.60	1	0.85	1	0.65
Depth of soil mixing layer	5	0.16	6	0.07	14	0.04	14	0.02
Mass loading for inhalation	4	0.24	5	0.11	16	0.03	16	0.01
Kd of Co-60 in Contaminated Zone	9	-0.09	7	-0.07	8	-0.11	3	-0.25
Kd of Co-60 in Unsaturated Zone 1	8	0.10	9	0.05	4	0.20	4	0.23
Kd of Co-60 in Unsaturated Zone 2	7	0.15	4	0.11	5	0.15	7	0.18
Kd of Co-60 in Saturated Zone	16	-0.03	16	-0.01	6	0.14	6	0.18
Aquatic food	15	-0.04	15	-0.02	10	-0.09	10	-0.04
Indoor time fraction	1	0.82	1	0.68	2	0.82	2	0.58
R-SQUARE	0.79		0.79		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 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
Depth of roots	7	0.15	7	0.06	4	0.21	8	0.08
Thickness of Unsaturated zone 1	17	-0.02	17	-0.01	6	-0.15	10	-0.06
Runoff coefficient	6	-0.17	5	-0.07	8	-0.12	11	-0.05
Wind Speed	15	0.03	15	0.01	14	0.08	14	0.03
Well pump intake depth	9	0.09	10	0.04	5	0.16	9	0.06
External gamma shielding factor	3	0.68	3	0.41	3	0.64	3	0.33
Inhalation rate	18	0.01	18	0.00	15	-0.07	15	-0.03
Soil ingestion	12	0.08	13	0.03	18	0.01	18	0.00
Thickness of Unsaturated zone 2	11	0.09	11	0.04	16	0.06	16	0.02
Thickness of contaminated zone	2	0.78	2	0.55	2	0.83	2	0.59
Depth of soil mixing layer	5	-0.17	6	-0.07	17	-0.03	17	-0.01
Mass loading for inhalation	8	-0.13	8	-0.05	10	0.11	12	0.04
Kd of Co-60 in Contaminated Zone	4	-0.22	4	-0.12	13	-0.08	5	-0.14
Kd of Co-60 in Unsaturated Zone 1	14	0.05	14	0.02	9	0.11	6	0.11
Kd of Co-60 in Unsaturated Zone 2	13	0.07	12	0.04	12	0.09	7	0.09
Kd of Co-60 in Saturated Zone	10	0.09	9	0.04	7	0.15	4	0.15
Aquatic food	16	0.02	16	0.01	11	-0.09	13	-0.04
Indoor time fraction	1	0.81	1	0.60	1	0.84	1	0.60
R-SQUARE	0.83		0.83		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 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
Depth of roots	4	0.13	4	0.07	14	-0.03	15	-0.01
Thickness of Unsaturated zone 1	7	0.09	8	0.05	8	0.08	11	0.03
Runoff coefficient	5	-0.10	6	-0.05	10	-0.04	12	-0.02
Wind Speed	9	-0.09	9	-0.04	17	-0.02	17	-0.01
Well pump intake depth	10	0.08	11	0.04	6	0.10	10	0.04
External gamma shielding factor	3	0.62	3	0.39	3	0.53	3	0.28
Inhalation rate	15	0.01	15	0.00	11	-0.04	13	-0.02
Soil ingestion	13	0.03	13	0.01	4	-0.20	6	-0.09
Thickness of Unsaturated zone 2	6	-0.09	7	-0.05	5	-0.19	7	-0.09
Thickness of contaminated zone	2	0.72	2	0.51	1	0.80	1	0.60
Depth of soil mixing layer	14	-0.01	14	0.00	18	0.01	18	0.00
Mass loading for inhalation	18	0.00	18	0.00	15	0.03	16	0.01
Kd of Co-60 in Contaminated Zone	17	0.00	17	0.00	16	-0.03	8	-0.06
Kd of Co-60 in Unsaturated Zone 1	16	0.00	16	0.00	7	0.10	4	0.13
Kd of Co-60 in Unsaturated Zone 2	11	0.07	10	0.04	9	0.08	5	0.09
Kd of Co-60 in Saturated Zone	8	0.09	5	0.05	13	0.03	9	0.04
Aquatic food	12	0.05	12	0.02	12	0.04	14	0.02
Indoor time fraction	1	0.77	1	0.59	2	0.80	2	0.60
R-SQUARE		0.77		0.77		0.81		0.81

-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
Depth of roots	18 -0.01	18 -0.01	15 -0.03	15 -0.01
Thickness of Unsaturated zone 1	13 0.04	13 0.02	12 0.06	12 0.02
Runoff coefficient	11 0.09	11 0.04	14 -0.03	14 -0.01
Wind Speed	6 0.16	8 0.07	18 -0.02	18 -0.01
Well pump intake depth	15 0.03	16 0.01	9 -0.10	9 -0.04
External gamma shielding factor	3 0.44	3 0.23	3 0.48	5 0.22
Inhalation rate	10 -0.09	10 -0.04	17 0.02	17 0.01
Soil ingestion	16 0.02	17 0.01	7 0.14	8 0.06
Thickness of Unsaturated zone 2	12 -0.05	12 -0.02	11 0.07	11 0.03
Thickness of contaminated zone	2 0.78	2 0.59	1 0.85	1 0.64
Depth of soil mixing layer	5 0.16	6 0.08	13 0.05	13 0.02
Mass loading for inhalation	4 0.24	5 0.12	16 0.02	16 0.01
Kd of Co-60 in Contaminated Zone	9 -0.10	7 -0.08	8 -0.12	3 -0.26
Kd of Co-60 in Unsaturated Zone 1	8 0.10	9 0.05	4 0.20	4 0.23
Kd of Co-60 in Unsaturated Zone 2	7 0.16	4 0.12	5 0.15	7 0.18
Kd of Co-60 in Saturated Zone	17 -0.02	15 -0.01	6 0.15	6 0.19
Aquatic food	14 -0.04	14 -0.02	10 -0.09	10 -0.04
Indoor time fraction	1 0.82	1 0.68	2 0.82	2 0.58
R-SQUARE	0.79	0.79	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 Inhalation particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
	1		1		1		1	
Depth of roots	18	0.03	18	0.02	18	-0.04	18	-0.02
Thickness of Unsaturated zone 1	17	-0.03	17	-0.02	11	-0.13	13	-0.05
Runoff coefficient	13	-0.06	13	-0.03	14	-0.08	15	-0.03
Wind Speed	6	-0.20	6	-0.10	7	-0.22	10	-0.08
Well pump intake depth	15	-0.04	16	-0.02	10	0.13	12	0.05
External gamma shielding factor	7	-0.14	7	-0.07	17	-0.05	17	-0.02
Inhalation rate	5	0.37	5	0.20	5	0.47	5	0.19
Soil ingestion	10	-0.09	11	-0.04	13	0.10	14	0.04
Thickness of Unsaturated zone 2	9	-0.12	9	-0.06	16	0.07	16	0.02
Thickness of contaminated zone	1	0.69	1	0.47	1	0.84	1	0.57
Depth of soil mixing layer	3	-0.65	3	-0.42	2	-0.81	2	-0.50
Mass loading for inhalation	2	0.66	2	0.42	3	0.71	3	0.37
Kd of Co-60 in Contaminated Zone	16	0.04	15	0.03	12	-0.11	6	-0.18
Kd of Co-60 in Unsaturated Zone 1	11	0.08	10	0.05	15	0.08	11	0.07
Kd of Co-60 in Unsaturated Zone 2	12	-0.07	12	-0.04	8	0.17	7	0.15
Kd of Co-60 in Saturated Zone	14	-0.05	14	-0.03	9	0.14	8	0.13
Aquatic food	8	-0.13	8	-0.07	6	-0.23	9	-0.09
Indoor time fraction	4	0.59	4	0.36	4	0.69	4	0.36
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
Depth of roots	7	0.20	7	0.10	14	-0.05	16	-0.02
Thickness of Unsaturated zone 1	16	-0.02	16	-0.01	7	0.28	7	0.09
Runoff coefficient	9	-0.16	9	-0.08	10	0.09	14	0.03
Wind Speed	10	-0.15	10	-0.07	6	-0.32	6	-0.11
Well pump intake depth	17	0.01	17	0.00	11	-0.08	15	-0.03
External gamma shielding factor	15	-0.02	15	-0.01	8	0.13	11	0.04
Inhalation rate	5	0.36	5	0.20	5	0.62	5	0.26
Soil ingestion	8	-0.16	8	-0.08	17	-0.04	17	-0.01
Thickness of Unsaturated zone 2	6	-0.22	6	-0.11	18	0.02	18	0.01
Thickness of contaminated zone	3	0.63	3	0.39	1	0.86	1	0.56
Depth of soil mixing layer	2	-0.63	2	-0.39	2	-0.85	2	-0.53
Mass loading for inhalation	1	0.73	1	0.52	4	0.74	4	0.36
Kd of Co-60 in Contaminated Zone	18	0.00	18	0.00	15	-0.05	8	-0.08
Kd of Co-60 in Unsaturated Zone 1	14	-0.03	14	-0.02	13	0.06	10	0.06
Kd of Co-60 in Unsaturated Zone 2	13	0.05	13	0.03	12	0.07	9	0.07
Kd of Co-60 in Saturated Zone	12	-0.06	12	-0.03	16	0.04	12	0.04
Aquatic food	11	0.14	11	0.07	9	-0.12	13	-0.04
Indoor time fraction	4	0.57	4	0.35	3	0.75	3	0.37
R-SQUARE	0.77		0.77		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 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
Depth of roots	17	-0.01	17	-0.01	18	-0.02	18	-0.01
Thickness of Unsaturated zone 1	11	0.08	12	0.04	11	0.11	11	0.04
Runoff coefficient	8	0.10	10	0.05	13	0.09	13	0.03
Wind Speed	7	-0.15	7	-0.08	10	-0.16	10	-0.06
Well pump intake depth	14	0.04	14	0.02	17	-0.03	17	-0.01
External gamma shielding factor	16	0.02	16	0.01	14	-0.07	14	-0.03
Inhalation rate	5	0.34	5	0.18	5	0.54	9	0.23
Soil ingestion	13	-0.06	13	-0.03	15	0.07	15	0.02
Thickness of Unsaturated zone 2	6	-0.18	6	-0.10	16	0.03	16	0.01
Thickness of contaminated zone	2	0.66	2	0.44	1	0.83	2	0.51
Depth of soil mixing layer	4	-0.59	4	-0.38	2	-0.82	3	-0.51
Mass loading for inhalation	1	0.69	1	0.48	3	0.77	4	0.42
Kd of Co-60 in Contaminated Zone	9	-0.09	8	-0.08	9	-0.27	1	-0.54
Kd of Co-60 in Unsaturated Zone 1	18	0.00	18	0.00	6	0.33	7	0.34
Kd of Co-60 in Unsaturated Zone 2	10	0.08	9	0.07	8	0.27	8	0.28
Kd of Co-60 in Saturated Zone	12	0.08	11	0.04	7	0.32	6	0.37
Aquatic food	15	0.04	15	0.02	12	0.11	12	0.04
Indoor time fraction	3	0.63	3	0.42	4	0.76	5	0.41
R-SQUARE		0.75		0.75		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 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
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
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
External gamma shielding factor	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
Indoor 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
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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
	1	1	1	1
	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	1 -0.79	1 -0.69	1 -0.93	1 -0.69
Thickness of Unsaturated zone 1	14 0.03	14 0.02	4 -0.12	5 -0.03
Runoff coefficient	6 -0.13	6 -0.07	3 -0.20	3 -0.06
Wind Speed	5 0.15	5 0.08	9 0.07	12 0.02
Well pump intake depth	8 -0.10	8 -0.06	11 -0.04	15 -0.01
External gamma shielding factor	7 0.11	7 0.06	7 0.10	8 0.03
Inhalation rate	9 -0.10	9 -0.06	6 -0.11	7 -0.03
Soil ingestion	18 0.00	18 0.00	17 -0.02	17 -0.01
Thickness of Unsaturated zone 2	3 0.22	3 0.12	15 -0.03	16 -0.01
Thickness of contaminated zone	2 0.67	2 0.49	2 0.93	2 0.68
Depth of soil mixing layer	10 0.10	10 0.05	5 -0.11	6 -0.03
Mass loading for inhalation	13 0.04	13 0.02	10 0.05	14 0.01
Kd of Co-60 in Contaminated Zone	11 -0.07	11 -0.05	14 0.03	4 0.04
Kd of Co-60 in Unsaturated Zone 1	12 -0.05	12 -0.03	13 0.04	10 0.02
Kd of Co-60 in Unsaturated Zone 2	17 0.00	17 0.00	12 -0.04	9 -0.02
Kd of Co-60 in Saturated Zone	15 -0.03	15 -0.01	16 0.03	13 0.02
Aquatic food	16 0.02	16 0.01	8 -0.08	11 -0.02
Indoor time fraction	4 0.20	4 0.11	18 -0.01	18 0.00
R-SQUARE	0.73	0.73	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 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
Depth of roots	1 -0.79	1 -0.68	1 -0.94	1 -0.72
Thickness of Unsaturated zone 1	13 0.07	13 0.04	4 0.21	6 0.05
Runoff coefficient	15 0.06	15 0.03	12 -0.04	14 -0.01
Wind Speed	3 0.17	3 0.09	9 0.11	10 0.03
Well pump intake depth	7 0.11	7 0.06	5 0.19	7 0.05
External gamma shielding factor	12 0.07	12 0.04	15 0.02	16 0.01
Inhalation rate	10 -0.10	10 -0.06	14 -0.03	15 -0.01
Soil ingestion	5 0.13	6 0.07	6 -0.16	8 -0.04
Thickness of Unsaturated zone 2	14 -0.06	14 -0.03	7 -0.15	9 -0.04
Thickness of contaminated zone	2 0.66	2 0.47	2 0.93	2 0.64
Depth of soil mixing layer	9 -0.10	11 -0.05	17 0.01	17 0.00
Mass loading for inhalation	4 0.16	4 0.08	18 0.00	18 0.00
Kd of Co-60 in Contaminated Zone	17 0.01	17 0.01	16 -0.02	11 -0.03
Kd of Co-60 in Unsaturated Zone 1	16 -0.04	16 -0.02	13 0.03	12 0.02
Kd of Co-60 in Unsaturated Zone 2	6 0.11	5 0.07	8 0.12	3 0.08
Kd of Co-60 in Saturated Zone	11 0.10	9 0.06	10 0.09	4 0.07
Aquatic food	18 0.00	18 0.00	3 0.22	5 0.06
Indoor time fraction	8 -0.11	8 -0.06	11 0.05	13 0.01
R-SQUARE	0.73	0.73	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 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
Depth of roots	1 -0.74	1 -0.60	2 -0.92	2 -0.66
Thickness of Unsaturated zone 1	10 0.08	11 0.04	16 -0.02	16 -0.01
Runoff coefficient	13 -0.07	14 -0.04	7 0.15	7 0.04
Wind Speed	4 -0.12	5 -0.07	11 0.10	11 0.03
Well pump intake depth	8 -0.09	8 -0.05	9 0.11	9 0.03
External gamma shielding factor	12 0.08	13 0.04	12 -0.10	12 -0.03
Inhalation rate	11 -0.08	12 -0.04	17 0.01	17 0.00
Soil ingestion	6 -0.11	6 -0.06	14 -0.02	14 -0.01
Thickness of Unsaturated zone 2	3 0.26	3 0.15	10 0.10	10 0.03
Thickness of contaminated zone	2 0.72	2 0.56	1 0.93	1 0.70
Depth of soil mixing layer	15 -0.05	16 -0.03	8 0.12	8 0.04
Mass loading for inhalation	17 -0.05	17 -0.03	15 -0.02	15 -0.01
Kd of Co-60 in Contaminated Zone	14 0.06	7 0.06	6 -0.31	3 -0.51
Kd of Co-60 in Unsaturated Zone 1	9 0.08	10 0.05	4 0.34	5 0.28
Kd of Co-60 in Unsaturated Zone 2	5 -0.11	4 -0.10	5 0.32	6 0.28
Kd of Co-60 in Saturated Zone	16 -0.05	15 -0.03	3 0.34	4 0.32
Aquatic food	7 0.09	9 0.05	13 -0.07	13 -0.02
Indoor time fraction	18 -0.02	18 -0.01	18 0.01	18 0.00
R-SQUARE	0.71	0.71	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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

	PCC	SRC	PRCC	SRRC
	1	1	1	1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	1 -0.78	2 -0.61	2 -0.88	2 -0.55
Thickness of Unsaturated zone 1	18 0.00	18 0.00	8 -0.10	10 -0.03
Runoff coefficient	8 -0.12	8 -0.06	4 -0.21	4 -0.07
Wind Speed	6 0.15	6 0.07	5 0.19	5 0.06
Well pump intake depth	9 -0.08	9 -0.04	13 -0.03	14 -0.01
External gamma shielding factor	10 0.07	10 0.04	6 0.15	7 0.05
Inhalation rate	7 -0.12	7 -0.06	9 -0.10	11 -0.03
Soil ingestion	16 -0.02	16 -0.01	15 0.01	16 0.00
Thickness of Unsaturated zone 2	4 0.20	4 0.10	16 -0.01	17 0.00
Thickness of contaminated zone	2 0.78	1 0.61	1 0.93	1 0.74
Depth of soil mixing layer	3 -0.27	3 -0.14	3 -0.69	3 -0.29
Mass loading for inhalation	15 0.02	15 0.01	12 0.05	13 0.02
Kd of Co-60 in Contaminated Zone	17 -0.01	17 -0.01	14 -0.02	9 -0.03
Kd of Co-60 in Unsaturated Zone 1	11 -0.07	11 -0.04	17 0.01	15 0.00
Kd of Co-60 in Unsaturated Zone 2	14 -0.04	14 -0.02	18 0.00	18 0.00
Kd of Co-60 in Saturated Zone	12 -0.06	12 -0.03	11 0.06	6 0.05
Aquatic food	13 -0.05	13 -0.03	7 -0.11	8 -0.03
Indoor time fraction	5 0.19	5 0.09	10 0.09	12 0.03
R-SQUARE	0.78	0.78	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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.78	2	-0.58	2	-0.88	2	-0.57
Thickness of Unsaturated zone 1	7	0.13	8	0.06	5	0.21	9	0.07
Runoff coefficient	15	0.07	16	0.03	16	-0.07	17	-0.02
Wind Speed	5	0.17	5	0.08	6	0.12	10	0.04
Well pump intake depth	10	0.11	12	0.05	4	0.22	8	0.07
External gamma shielding factor	8	0.12	9	0.06	18	0.02	18	0.01
Inhalation rate	11	-0.11	11	-0.05	14	-0.08	15	-0.02
Soil ingestion	14	0.08	14	0.03	7	-0.12	11	-0.04
Thickness of Unsaturated zone 2	9	-0.12	10	-0.05	13	-0.09	14	-0.03
Thickness of contaminated zone	1	0.79	1	0.59	1	0.91	1	0.70
Depth of soil mixing layer	3	-0.46	3	-0.24	3	-0.63	3	-0.26
Mass loading for inhalation	4	0.19	4	0.09	9	0.11	12	0.03
Kd of Co-60 in Contaminated Zone	18	0.02	17	0.01	17	-0.06	4	-0.10
Kd of Co-60 in Unsaturated Zone 1	16	-0.06	15	-0.03	12	0.09	7	0.09
Kd of Co-60 in Unsaturated Zone 2	12	0.11	7	0.06	10	0.11	6	0.09
Kd of Co-60 in Saturated Zone	13	0.08	13	0.04	8	0.11	5	0.10
Aquatic food	17	-0.02	18	-0.01	15	0.08	16	0.02
Indoor time fraction	6	-0.15	6	-0.07	11	-0.09	13	-0.03
R-SQUARE		0.80		0.80		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 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
Depth of roots	2 -0.74	2 -0.55	2 -0.82	3 -0.48
Thickness of Unsaturated zone 1	9 0.09	10 0.04	11 -0.11	11 -0.04
Runoff coefficient	15 -0.06	15 -0.03	12 0.11	12 0.04
Wind Speed	7 -0.10	8 -0.05	14 0.10	14 0.03
Well pump intake depth	14 -0.06	14 -0.03	10 0.13	10 0.04
External gamma shielding factor	12 0.08	13 0.04	9 -0.15	9 -0.05
Inhalation rate	8 -0.09	9 -0.05	18 0.03	18 0.01
Soil ingestion	5 -0.13	6 -0.06	16 -0.06	16 -0.02
Thickness of Unsaturated zone 2	4 0.26	4 0.14	8 0.19	8 0.06
Thickness of contaminated zone	1 0.79	1 0.64	1 0.92	1 0.79
Depth of soil mixing layer	3 -0.27	3 -0.14	3 -0.54	7 -0.22
Mass loading for inhalation	17 -0.03	17 -0.01	17 -0.05	17 -0.02
Kd of Co-60 in Contaminated Zone	13 0.08	7 0.06	7 -0.32	2 -0.63
Kd of Co-60 in Unsaturated Zone 1	10 0.08	11 0.04	4 0.36	5 0.37
Kd of Co-60 in Unsaturated Zone 2	6 -0.10	5 -0.08	6 0.34	6 0.34
Kd of Co-60 in Saturated Zone	16 -0.04	16 -0.03	5 0.35	4 0.39
Aquatic food	11 0.08	12 0.04	15 -0.07	15 -0.02
Indoor time fraction	18 -0.01	18 -0.01	13 0.11	13 0.04
R-SQUARE	0.76	0.76	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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

	PCC	SRC	PRCC	SRRC
	1	1	1	1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	2 -0.78	2 -0.59	2 -0.86	2 -0.53
Thickness of Unsaturated zone 1	17 -0.01	17 0.00	10 -0.08	12 -0.03
Runoff coefficient	7 -0.12	7 -0.06	4 -0.22	4 -0.07
Wind Speed	6 0.15	6 0.07	5 0.18	5 0.06
Well pump intake depth	9 -0.08	10 -0.04	14 -0.02	14 -0.01
External gamma shielding factor	12 0.07	12 0.03	7 0.13	8 0.04
Inhalation rate	8 -0.12	8 -0.06	9 -0.10	11 -0.03
Soil ingestion	15 -0.03	15 -0.01	15 -0.02	16 -0.01
Thickness of Unsaturated zone 2	4 0.20	4 0.10	16 -0.01	18 0.00
Thickness of contaminated zone	1 0.80	1 0.63	1 0.92	1 0.74
Depth of soil mixing layer	3 -0.35	3 -0.18	3 -0.70	3 -0.31
Mass loading for inhalation	16 0.02	16 0.01	12 0.06	13 0.02
Kd of Co-60 in Contaminated Zone	18 0.00	18 0.00	13 -0.03	9 -0.04
Kd of Co-60 in Unsaturated Zone 1	11 -0.07	9 -0.04	18 0.01	17 0.01
Kd of Co-60 in Unsaturated Zone 2	14 -0.04	14 -0.02	17 0.01	15 0.01
Kd of Co-60 in Saturated Zone	13 -0.06	13 -0.03	11 0.07	6 0.05
Aquatic food	10 -0.07	11 -0.04	6 -0.13	7 -0.04
Indoor time fraction	5 0.19	5 0.09	8 0.12	10 0.04
R-SQUARE	0.79	0.79	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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	2 -0.78	2 -0.56	2 -0.86	2 -0.53
Thickness of Unsaturated zone 1	7 0.14	7 0.06	5 0.22	9 0.07
Runoff coefficient	14 0.07	15 0.03	15 -0.07	15 -0.02
Wind Speed	5 0.17	5 0.08	6 0.13	10 0.04
Well pump intake depth	11 0.11	12 0.05	4 0.23	8 0.07
External gamma shielding factor	8 0.13	9 0.06	18 0.03	18 0.01
Inhalation rate	10 -0.11	11 -0.05	16 -0.06	16 -0.02
Soil ingestion	16 0.06	16 0.03	7 -0.12	11 -0.04
Thickness of Unsaturated zone 2	9 -0.13	10 -0.06	13 -0.11	14 -0.03
Thickness of contaminated zone	1 0.81	1 0.61	1 0.91	1 0.71
Depth of soil mixing layer	3 -0.52	3 -0.27	3 -0.68	3 -0.29
Mass loading for inhalation	4 0.19	4 0.09	8 0.12	12 0.04
Kd of Co-60 in Contaminated Zone	18 0.02	17 0.02	14 -0.07	4 -0.12
Kd of Co-60 in Unsaturated Zone 1	15 -0.07	14 -0.03	12 0.11	5 0.11
Kd of Co-60 in Unsaturated Zone 2	12 0.11	8 0.06	11 0.11	7 0.10
Kd of Co-60 in Saturated Zone	13 0.08	13 0.04	10 0.11	6 0.11
Aquatic food	17 -0.03	18 -0.01	17 0.04	17 0.01
Indoor time fraction	6 -0.15	6 -0.07	9 -0.12	13 -0.04
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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

	PCC 3	SRC 3	PRCC 3	SRRC 3
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	2 -0.73	2 -0.53	2 -0.81	3 -0.46
Thickness of Unsaturated zone 1	9 0.09	10 0.05	11 -0.12	11 -0.04
Runoff coefficient	15 -0.05	15 -0.02	13 0.10	13 0.03
Wind Speed	7 -0.10	8 -0.05	14 0.10	14 0.03
Well pump intake depth	14 -0.05	14 -0.03	12 0.12	12 0.04
External gamma shielding factor	13 0.07	13 0.04	9 -0.14	9 -0.05
Inhalation rate	8 -0.09	9 -0.05	18 0.01	18 0.00
Soil ingestion	5 -0.13	7 -0.06	15 -0.07	15 -0.02
Thickness of Unsaturated zone 2	4 0.25	4 0.14	8 0.19	8 0.07
Thickness of contaminated zone	1 0.80	1 0.65	1 0.92	1 0.79
Depth of soil mixing layer	3 -0.31	3 -0.16	3 -0.58	7 -0.24
Mass loading for inhalation	17 -0.02	17 -0.01	17 -0.05	17 -0.02
Kd of Co-60 in Contaminated Zone	12 0.08	6 0.06	7 -0.31	2 -0.61
Kd of Co-60 in Unsaturated Zone 1	10 0.08	11 0.04	4 0.36	5 0.37
Kd of Co-60 in Unsaturated Zone 2	6 -0.10	5 -0.08	6 0.33	6 0.34
Kd of Co-60 in Saturated Zone	16 -0.04	16 -0.02	5 0.34	4 0.39
Aquatic food	11 0.08	12 0.04	16 -0.06	16 -0.02
Indoor time fraction	18 -0.01	18 0.00	10 0.13	10 0.04
R-SQUARE	0.77	0.77	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 Soil Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1	1	1	1	1	1	1	1
Depth of roots	7	-0.13	8	-0.06	16	-0.04	16	-0.02
Thickness of Unsaturated zone 1	18	0.00	18	0.00	8	-0.11	11	-0.04
Runoff coefficient	14	-0.04	14	-0.02	10	-0.10	13	-0.04
Wind Speed	10	0.06	11	0.03	9	0.11	12	0.04
Well pump intake depth	5	0.17	5	0.09	6	0.12	10	0.04
External gamma shielding factor	6	0.15	6	0.08	17	-0.03	17	-0.01
Inhalation rate	13	-0.05	13	-0.02	5	-0.23	7	-0.09
Soil ingestion	2	0.67	2	0.44	2	0.79	2	0.46
Thickness of Unsaturated zone 2	11	0.05	12	0.03	15	0.05	15	0.02
Thickness of contaminated zone	3	0.66	3	0.44	3	0.78	3	0.45
Depth of soil mixing layer	4	-0.57	4	-0.34	4	-0.76	4	-0.42
Mass loading for inhalation	9	-0.08	9	-0.04	18	0.03	18	0.01
Kd of Co-60 in Contaminated Zone	12	-0.05	10	-0.03	13	-0.07	5	-0.11
Kd of Co-60 in Unsaturated Zone 1	8	-0.12	7	-0.07	12	0.07	9	0.06
Kd of Co-60 in Unsaturated Zone 2	15	-0.02	15	-0.01	7	0.12	6	0.10
Kd of Co-60 in Saturated Zone	16	-0.02	16	-0.01	11	0.08	8	0.08
Aquatic food	17	-0.01	17	0.00	14	-0.06	14	-0.02
Indoor time fraction	1	0.72	1	0.51	1	0.84	1	0.56
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 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
Depth of roots	10 0.11	10 0.05	5 -0.25	9 -0.11
Thickness of Unsaturated zone 1	5 0.27	5 0.13	14 0.09	14 0.04
Runoff coefficient	15 0.01	15 0.00	10 -0.11	11 -0.05
Wind Speed	17 0.00	17 0.00	7 0.14	10 0.06
Well pump intake depth	16 0.01	16 0.00	12 0.10	13 0.04
External gamma shielding factor	6 0.16	7 0.07	18 -0.02	18 -0.01
Inhalation rate	14 0.03	14 0.02	11 0.10	12 0.04
Soil ingestion	2 0.69	2 0.43	4 0.67	4 0.40
Thickness of Unsaturated zone 2	13 -0.05	13 -0.02	16 -0.06	16 -0.03
Thickness of contaminated zone	3 0.67	3 0.41	1 0.76	1 0.52
Depth of soil mixing layer	4 -0.60	4 -0.33	3 -0.70	3 -0.44
Mass loading for inhalation	18 0.00	18 0.00	15 0.08	15 0.04
Kd of Co-60 in Contaminated Zone	7 0.13	6 0.08	6 0.16	5 0.38
Kd of Co-60 in Unsaturated Zone 1	12 -0.05	12 -0.03	8 -0.14	6 -0.18
Kd of Co-60 in Unsaturated Zone 2	11 -0.08	11 -0.05	13 -0.09	8 -0.11
Kd of Co-60 in Saturated Zone	8 -0.12	8 -0.06	9 -0.13	7 -0.17
Aquatic food	9 -0.11	9 -0.05	17 -0.06	17 -0.03
Indoor time fraction	1 0.79	1 0.58	2 0.75	2 0.50
R-SQUARE	0.81	0.81	0.81	0.81

-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
Depth of roots	10 0.08	10 0.04	16 0.02	16 0.01
Thickness of Unsaturated zone 1	11 0.08	11 0.04	9 0.21	9 0.07
Runoff coefficient	18 -0.02	18 -0.01	10 0.12	10 0.04
Wind Speed	5 0.27	5 0.14	14 0.06	14 0.02
Well pump intake depth	14 0.05	14 0.03	15 0.03	15 0.01
External gamma shielding factor	9 -0.08	9 -0.04	13 0.08	13 0.03
Inhalation rate	8 -0.10	8 -0.05	11 0.11	11 0.04
Soil ingestion	2 0.59	2 0.38	3 0.79	4 0.43
Thickness of Unsaturated zone 2	15 -0.04	15 -0.02	17 -0.01	17 0.00
Thickness of contaminated zone	3 0.59	3 0.37	2 0.80	3 0.44
Depth of soil mixing layer	4 -0.43	4 -0.25	4 -0.77	5 -0.40
Mass loading for inhalation	16 0.04	16 0.02	18 -0.01	18 0.00
Kd of Co-60 in Contaminated Zone	6 0.13	6 0.11	8 -0.24	2 -0.45
Kd of Co-60 in Unsaturated Zone 1	13 0.05	13 0.03	5 0.28	7 0.27
Kd of Co-60 in Unsaturated Zone 2	7 -0.10	7 -0.08	7 0.26	8 0.25
Kd of Co-60 in Saturated Zone	17 0.03	17 0.02	6 0.27	6 0.30
Aquatic food	12 -0.06	12 -0.03	12 0.08	12 0.03
Indoor time fraction	1 0.74	1 0.58	1 0.87	1 0.60
R-SQUARE	0.74	0.74	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 Water Ingestion Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1	1	1	1	1	1	1	1
Depth of roots	5	-0.11	5	-0.10	10	-0.12	11	-0.10
Thickness of Unsaturated zone 1	18	0.00	18	0.00	12	0.12	12	0.10
Runoff coefficient	4	-0.11	4	-0.11	17	-0.04	17	-0.04
Wind Speed	14	-0.02	14	-0.02	13	0.09	13	0.07
Well pump intake depth	6	0.09	6	0.09	7	0.19	7	0.16
External gamma shielding factor	3	0.12	3	0.12	4	0.26	5	0.21
Inhalation rate	12	0.04	12	0.04	8	0.19	8	0.16
Soil ingestion	10	-0.06	10	-0.05	11	-0.12	10	-0.10
Thickness of Unsaturated zone 2	11	-0.04	11	-0.04	6	-0.20	6	-0.17
Thickness of contaminated zone	1	0.15	1	0.15	9	0.16	9	0.13
Depth of soil mixing layer	2	0.14	2	0.14	14	0.07	14	0.06
Mass loading for inhalation	7	-0.09	8	-0.08	16	0.05	16	0.04
Kd of Co-60 in Contaminated Zone	9	-0.07	7	-0.08	5	0.25	1	0.94
Kd of Co-60 in Unsaturated Zone 1	17	0.00	17	0.00	1	-0.31	2	-0.64
Kd of Co-60 in Unsaturated Zone 2	16	0.01	16	0.01	2	-0.30	4	-0.61
Kd of Co-60 in Saturated Zone	15	-0.01	15	-0.01	3	-0.28	3	-0.63
Aquatic food	13	0.04	13	0.04	18	0.02	18	0.02
Indoor time fraction	8	0.07	9	0.07	15	0.07	15	0.06
R-SQUARE	0.11		0.11		0.35		0.35	

-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
Depth of roots	4	0.12	3	0.12	14	-0.05	14	-0.04
Thickness of Unsaturated zone 1	7	-0.08	7	-0.08	11	-0.08	11	-0.07
Runoff coefficient	6	-0.08	6	-0.08	8	-0.11	8	-0.09
Wind Speed	5	-0.11	5	-0.11	6	-0.18	6	-0.15
Well pump intake depth	11	0.04	12	0.04	10	-0.10	10	-0.08
External gamma shielding factor	9	-0.07	9	-0.07	18	0.00	18	0.00
Inhalation rate	18	-0.01	18	-0.01	15	0.03	15	0.03
Soil ingestion	3	0.12	4	0.12	17	0.02	17	0.02
Thickness of Unsaturated zone 2	10	0.05	10	0.05	12	-0.08	12	-0.06
Thickness of contaminated zone	13	0.03	14	0.03	7	-0.12	7	-0.10
Depth of soil mixing layer	2	-0.13	2	-0.13	13	-0.07	13	-0.06
Mass loading for inhalation	14	-0.03	16	-0.03	16	0.03	16	0.02
Kd of Co-60 in Contaminated Zone	12	-0.04	11	-0.05	4	0.35	1	1.65
Kd of Co-60 in Unsaturated Zone 1	16	-0.03	15	-0.03	2	-0.40	3	-1.07
Kd of Co-60 in Unsaturated Zone 2	15	0.03	13	0.04	1	-0.44	2	-1.08
Kd of Co-60 in Saturated Zone	17	0.02	17	0.02	3	-0.38	4	-0.96
Aquatic food	1	0.17	1	0.17	9	0.10	9	0.08
Indoor time fraction	8	-0.08	8	-0.08	5	0.19	5	0.16
R-SQUARE		0.11		0.11		0.38		0.38

-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 =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	12 0.06	13 0.05	18 0.00	18 0.00
Thickness of Unsaturated zone 1	15 -0.04	16 -0.04	9 -0.13	9 -0.10
Runoff coefficient	2 -0.17	2 -0.16	6 -0.21	6 -0.17
Wind Speed	5 -0.14	5 -0.13	15 -0.08	15 -0.06
Well pump intake depth	11 -0.07	9 -0.07	14 -0.08	14 -0.06
External gamma shielding factor	4 -0.14	4 -0.14	5 -0.23	5 -0.18
Inhalation rate	7 0.11	7 0.11	16 -0.07	16 -0.05
Soil ingestion	8 0.11	8 0.10	10 -0.10	10 -0.08
Thickness of Unsaturated zone 2	17 -0.03	18 -0.03	11 -0.09	11 -0.07
Thickness of contaminated zone	6 -0.12	6 -0.12	8 0.13	7 0.10
Depth of soil mixing layer	10 -0.07	11 -0.06	12 -0.09	12 -0.07
Mass loading for inhalation	9 -0.07	10 -0.06	13 -0.08	13 -0.07
Kd of Co-60 in Contaminated Zone	18 -0.02	17 -0.04	4 0.30	1 1.33
Kd of Co-60 in Unsaturated Zone 1	13 -0.05	15 -0.05	1 -0.38	3 -0.90
Kd of Co-60 in Unsaturated Zone 2	16 -0.03	14 -0.05	2 -0.37	4 -0.88
Kd of Co-60 in Saturated Zone	14 -0.05	12 -0.05	3 -0.35	2 -0.90
Aquatic food	1 -0.18	1 -0.17	17 0.02	17 0.01
Indoor time fraction	3 -0.14	3 -0.14	7 -0.13	8 -0.10
R-SQUARE	0.14	0.14	0.42	0.42

-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	
	1	1	1	1	1	1	1	1
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	5	-0.11	5	-0.10	10	-0.12	11	-0.10
Thickness of Unsaturated zone 1	18	0.00	18	0.00	12	0.12	12	0.10
Runoff coefficient	4	-0.11	4	-0.11	17	-0.04	17	-0.04
Wind Speed	14	-0.02	14	-0.02	13	0.09	13	0.07
Well pump intake depth	6	0.09	6	0.09	7	0.19	7	0.16
External gamma shielding factor	3	0.12	3	0.12	4	0.26	5	0.21
Inhalation rate	12	0.04	12	0.04	8	0.19	8	0.16
Soil ingestion	10	-0.06	10	-0.05	11	-0.12	10	-0.10
Thickness of Unsaturated zone 2	11	-0.04	11	-0.04	6	-0.20	6	-0.17
Thickness of contaminated zone	1	0.15	1	0.15	9	0.16	9	0.13
Depth of soil mixing layer	2	0.14	2	0.14	14	0.07	14	0.06
Mass loading for inhalation	7	-0.09	8	-0.08	16	0.05	16	0.04
Kd of Co-60 in Contaminated Zone	9	-0.07	7	-0.08	5	0.25	1	0.94
Kd of Co-60 in Unsaturated Zone 1	17	0.00	17	0.00	1	-0.31	2	-0.64
Kd of Co-60 in Unsaturated Zone 2	16	0.01	16	0.01	2	-0.30	4	-0.61
Kd of Co-60 in Saturated Zone	15	-0.01	15	-0.01	3	-0.28	3	-0.63
Aquatic food	13	0.04	13	0.04	18	0.02	18	0.02
Indoor time fraction	8	0.07	9	0.07	15	0.07	15	0.06
R-SQUARE		0.11		0.11		0.35		0.35

-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
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	4 0.12	3 0.12	14 -0.05	14 -0.04
Thickness of Unsaturated zone 1	7 -0.08	7 -0.08	11 -0.08	11 -0.07
Runoff coefficient	6 -0.08	6 -0.08	8 -0.11	8 -0.09
Wind Speed	5 -0.11	5 -0.11	6 -0.18	6 -0.15
Well pump intake depth	11 0.04	12 0.04	10 -0.10	10 -0.08
External gamma shielding factor	9 -0.07	9 -0.07	18 0.00	18 0.00
Inhalation rate	18 -0.01	18 -0.01	15 0.03	15 0.03
Soil ingestion	3 0.12	4 0.12	17 0.02	17 0.02
Thickness of Unsaturated zone 2	10 0.05	10 0.05	12 -0.08	12 -0.06
Thickness of contaminated zone	13 0.03	14 0.03	7 -0.12	7 -0.10
Depth of soil mixing layer	2 -0.13	2 -0.13	13 -0.07	13 -0.06
Mass loading for inhalation	14 -0.03	16 -0.03	16 0.03	16 0.02
Kd of Co-60 in Contaminated Zone	12 -0.04	11 -0.05	4 0.35	1 1.65
Kd of Co-60 in Unsaturated Zone 1	16 -0.03	15 -0.03	2 -0.40	3 -1.07
Kd of Co-60 in Unsaturated Zone 2	15 0.03	13 0.04	1 -0.44	2 -1.08
Kd of Co-60 in Saturated Zone	17 0.02	17 0.02	3 -0.38	4 -0.96
Aquatic food	1 0.17	1 0.17	9 0.10	9 0.08
Indoor time fraction	8 -0.08	8 -0.08	5 0.19	5 0.16
R-SQUARE	0.11	0.11	0.38	0.38

-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
Depth of roots	12 0.06	13 0.05	18 0.00	18 0.00
Thickness of Unsaturated zone 1	15 -0.04	16 -0.04	9 -0.13	9 -0.10
Runoff coefficient	2 -0.17	2 -0.16	6 -0.21	6 -0.17
Wind Speed	5 -0.14	5 -0.13	15 -0.08	15 -0.06
Well pump intake depth	11 -0.07	9 -0.07	14 -0.08	14 -0.06
External gamma shielding factor	4 -0.14	4 -0.14	5 -0.23	5 -0.18
Inhalation rate	7 0.11	7 0.11	16 -0.07	16 -0.05
Soil ingestion	8 0.11	8 0.10	10 -0.10	10 -0.08
Thickness of Unsaturated zone 2	17 -0.03	18 -0.03	11 -0.09	11 -0.07
Thickness of contaminated zone	6 -0.12	6 -0.12	8 0.13	7 0.10
Depth of soil mixing layer	10 -0.07	11 -0.06	12 -0.09	12 -0.07
Mass loading for inhalation	9 -0.07	10 -0.06	13 -0.08	13 -0.07
Kd of Co-60 in Contaminated Zone	18 -0.02	17 -0.04	4 0.30	1 1.33
Kd of Co-60 in Unsaturated Zone 1	13 -0.05	15 -0.05	1 -0.38	3 -0.90
Kd of Co-60 in Unsaturated Zone 2	16 -0.03	14 -0.05	2 -0.37	4 -0.88
Kd of Co-60 in Saturated Zone	14 -0.05	12 -0.05	3 -0.35	2 -0.90
Aquatic food	1 -0.18	1 -0.17	17 0.02	17 0.01
Indoor time fraction	3 -0.14	3 -0.14	7 -0.13	8 -0.10
R-SQUARE	0.14	0.14	0.42	0.42

-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 1	SRC 1	PRCC 1	SRRC 1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
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
External gamma shielding factor	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
Indoor 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
Depth of roots	0 0.00	0 0.00	0 0.00	0 0.00
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
External gamma shielding factor	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
Indoor 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	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
	1		1		1		1	
Depth of roots	5	-0.11	5	-0.10	10	-0.12	11	-0.10
Thickness of Unsaturated zone 1	18	0.00	18	0.00	12	0.12	12	0.10
Runoff coefficient	4	-0.11	4	-0.11	17	-0.04	17	-0.04
Wind Speed	14	-0.02	14	-0.02	13	0.09	13	0.07
Well pump intake depth	6	0.09	6	0.09	7	0.19	7	0.16
External gamma shielding factor	3	0.12	3	0.12	4	0.26	5	0.21
Inhalation rate	12	0.04	12	0.04	8	0.19	8	0.16
Soil ingestion	10	-0.06	10	-0.05	11	-0.12	10	-0.10
Thickness of Unsaturated zone 2	11	-0.04	11	-0.04	6	-0.20	6	-0.17
Thickness of contaminated zone	1	0.15	1	0.15	9	0.16	9	0.13
Depth of soil mixing layer	2	0.14	2	0.14	14	0.07	14	0.06
Mass loading for inhalation	7	-0.09	8	-0.08	16	0.05	16	0.04
Kd of Co-60 in Contaminated Zone	9	-0.07	7	-0.08	5	0.25	1	0.94
Kd of Co-60 in Unsaturated Zone 1	17	0.00	17	0.00	1	-0.31	2	-0.64
Kd of Co-60 in Unsaturated Zone 2	16	0.01	16	0.01	2	-0.30	4	-0.61
Kd of Co-60 in Saturated Zone	15	-0.01	15	-0.01	3	-0.28	3	-0.63
Aquatic food	13	0.04	13	0.04	18	0.02	18	0.02
Indoor time fraction	8	0.07	9	0.07	15	0.07	15	0.06
R-SQUARE		0.11		0.11		0.35		0.35

-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
Depth of roots	4 0.12	3 0.12	14 -0.05	14 -0.04
Thickness of Unsaturated zone 1	7 -0.08	7 -0.08	11 -0.08	11 -0.07
Runoff coefficient	6 -0.08	6 -0.08	8 -0.11	8 -0.09
Wind Speed	5 -0.11	5 -0.11	6 -0.18	6 -0.15
Well pump intake depth	11 0.04	12 0.04	10 -0.10	10 -0.08
External gamma shielding factor	9 -0.07	9 -0.07	18 0.00	18 0.00
Inhalation rate	18 -0.01	18 -0.01	15 0.03	15 0.03
Soil ingestion	3 0.12	4 0.12	17 0.02	17 0.02
Thickness of Unsaturated zone 2	10 0.05	10 0.05	12 -0.08	12 -0.06
Thickness of contaminated zone	13 0.03	14 0.03	7 -0.12	7 -0.10
Depth of soil mixing layer	2 -0.13	2 -0.13	13 -0.07	13 -0.06
Mass loading for inhalation	14 -0.03	16 -0.03	16 0.03	16 0.02
Kd of Co-60 in Contaminated Zone	12 -0.04	11 -0.05	4 0.35	1 1.65
Kd of Co-60 in Unsaturated Zone 1	16 -0.03	15 -0.03	2 -0.40	3 -1.07
Kd of Co-60 in Unsaturated Zone 2	15 0.03	13 0.04	1 -0.44	2 -1.08
Kd of Co-60 in Saturated Zone	17 0.02	17 0.02	3 -0.38	4 -0.96
Aquatic food	1 0.17	1 0.17	9 0.10	9 0.08
Indoor time fraction	8 -0.08	8 -0.08	5 0.19	5 0.16
R-SQUARE	0.11	0.11	0.38	0.38

-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
Depth of roots	12 0.06	13 0.05	18 0.00	18 0.00
Thickness of Unsaturated zone 1	15 -0.04	16 -0.04	9 -0.13	9 -0.10
Runoff coefficient	2 -0.17	2 -0.16	6 -0.21	6 -0.17
Wind Speed	5 -0.14	5 -0.13	15 -0.08	15 -0.06
Well pump intake depth	11 -0.07	9 -0.07	14 -0.08	14 -0.06
External gamma shielding factor	4 -0.14	4 -0.14	5 -0.23	5 -0.18
Inhalation rate	7 0.11	7 0.11	16 -0.07	16 -0.05
Soil ingestion	8 0.11	8 0.10	10 -0.10	10 -0.08
Thickness of Unsaturated zone 2	17 -0.03	18 -0.03	11 -0.09	11 -0.07
Thickness of contaminated zone	6 -0.12	6 -0.12	8 0.13	7 0.10
Depth of soil mixing layer	10 -0.07	11 -0.06	12 -0.09	12 -0.07
Mass loading for inhalation	9 -0.07	10 -0.06	13 -0.08	13 -0.07
Kd of Co-60 in Contaminated Zone	18 -0.02	17 -0.04	4 0.30	1 1.33
Kd of Co-60 in Unsaturated Zone 1	13 -0.05	15 -0.05	1 -0.38	3 -0.90
Kd of Co-60 in Unsaturated Zone 2	16 -0.03	14 -0.05	2 -0.37	4 -0.88
Kd of Co-60 in Saturated Zone	14 -0.05	12 -0.05	3 -0.35	2 -0.90
Aquatic food	1 -0.18	1 -0.17	17 0.02	17 0.01
Indoor time fraction	3 -0.14	3 -0.14	7 -0.13	8 -0.10
R-SQUARE	0.14	0.14	0.42	0.42

-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	
	1	1	1	1	1	1	1	1
Depth of roots	5	-0.11	5	-0.10	10	-0.12	11	-0.10
Thickness of Unsaturated zone 1	18	0.00	18	0.00	12	0.12	12	0.10
Runoff coefficient	4	-0.11	4	-0.11	17	-0.04	17	-0.04
Wind Speed	14	-0.02	14	-0.02	13	0.09	13	0.07
Well pump intake depth	6	0.09	6	0.09	7	0.19	7	0.16
External gamma shielding factor	3	0.12	3	0.12	4	0.26	5	0.21
Inhalation rate	12	0.04	12	0.04	8	0.19	8	0.16
Soil ingestion	10	-0.06	10	-0.05	11	-0.12	10	-0.10
Thickness of Unsaturated zone 2	11	-0.04	11	-0.04	6	-0.20	6	-0.17
Thickness of contaminated zone	1	0.15	1	0.15	9	0.16	9	0.13
Depth of soil mixing layer	2	0.14	2	0.14	14	0.07	14	0.06
Mass loading for inhalation	7	-0.09	8	-0.08	16	0.05	16	0.04
Kd of Co-60 in Contaminated Zone	9	-0.07	7	-0.08	5	0.25	1	0.94
Kd of Co-60 in Unsaturated Zone 1	17	0.00	17	0.00	1	-0.31	2	-0.64
Kd of Co-60 in Unsaturated Zone 2	16	0.01	16	0.01	2	-0.30	4	-0.61
Kd of Co-60 in Saturated Zone	15	-0.01	15	-0.01	3	-0.28	3	-0.63
Aquatic food	13	0.04	13	0.04	18	0.02	18	0.02
Indoor time fraction	8	0.07	9	0.07	15	0.07	15	0.06
R-SQUARE	0.11		0.11		0.35		0.35	

-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	
	2		2		2		2	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	0.12	3	0.12	14	-0.05	14	-0.04
Thickness of Unsaturated zone 1	7	-0.08	7	-0.08	11	-0.08	11	-0.07
Runoff coefficient	6	-0.08	6	-0.08	8	-0.11	8	-0.09
Wind Speed	5	-0.11	5	-0.11	6	-0.18	6	-0.15
Well pump intake depth	11	0.04	12	0.04	10	-0.10	10	-0.08
External gamma shielding factor	9	-0.07	9	-0.07	18	0.00	18	0.00
Inhalation rate	18	-0.01	18	-0.01	15	0.03	15	0.03
Soil ingestion	3	0.12	4	0.12	17	0.02	17	0.02
Thickness of Unsaturated zone 2	10	0.05	10	0.05	12	-0.08	12	-0.06
Thickness of contaminated zone	13	0.03	14	0.03	7	-0.12	7	-0.10
Depth of soil mixing layer	2	-0.13	2	-0.13	13	-0.07	13	-0.06
Mass loading for inhalation	14	-0.03	16	-0.03	16	0.03	16	0.02
Kd of Co-60 in Contaminated Zone	12	-0.04	11	-0.05	4	0.35	1	1.65
Kd of Co-60 in Unsaturated Zone 1	16	-0.03	15	-0.03	2	-0.40	3	-1.07
Kd of Co-60 in Unsaturated Zone 2	15	0.03	13	0.04	1	-0.44	2	-1.08
Kd of Co-60 in Saturated Zone	17	0.02	17	0.02	3	-0.38	4	-0.96
Aquatic food	1	0.17	1	0.17	9	0.10	9	0.08
Indoor time fraction	8	-0.08	8	-0.08	5	0.19	5	0.16
R-SQUARE		0.11		0.11		0.38		0.38

-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
Depth of roots	12 0.06	13 0.05	18 0.00	18 0.00
Thickness of Unsaturated zone 1	15 -0.04	16 -0.04	9 -0.13	9 -0.10
Runoff coefficient	2 -0.17	2 -0.16	6 -0.21	6 -0.17
Wind Speed	5 -0.14	5 -0.13	15 -0.08	15 -0.06
Well pump intake depth	11 -0.07	9 -0.07	14 -0.08	14 -0.06
External gamma shielding factor	4 -0.14	4 -0.14	5 -0.23	5 -0.18
Inhalation rate	7 0.11	7 0.11	16 -0.07	16 -0.05
Soil ingestion	8 0.11	8 0.10	10 -0.10	10 -0.08
Thickness of Unsaturated zone 2	17 -0.03	18 -0.03	11 -0.09	11 -0.07
Thickness of contaminated zone	6 -0.12	6 -0.12	8 0.13	7 0.10
Depth of soil mixing layer	10 -0.07	11 -0.06	12 -0.09	12 -0.07
Mass loading for inhalation	9 -0.07	10 -0.06	13 -0.08	13 -0.07
Kd of Co-60 in Contaminated Zone	18 -0.02	17 -0.04	4 0.30	1 1.33
Kd of Co-60 in Unsaturated Zone 1	13 -0.05	15 -0.05	1 -0.38	3 -0.90
Kd of Co-60 in Unsaturated Zone 2	16 -0.03	14 -0.05	2 -0.37	4 -0.88
Kd of Co-60 in Saturated Zone	14 -0.05	12 -0.05	3 -0.35	2 -0.90
Aquatic food	1 -0.18	1 -0.17	17 0.02	17 0.01
Indoor time fraction	3 -0.14	3 -0.14	7 -0.13	8 -0.10
R-SQUARE	0.14	0.14	0.42	0.42

-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	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
	1		1		1		1	
Depth of roots	5	-0.11	5	-0.10	10	-0.12	11	-0.10
Thickness of Unsaturated zone 1	18	0.00	18	0.00	12	0.12	12	0.10
Runoff coefficient	4	-0.11	4	-0.11	17	-0.04	17	-0.04
Wind Speed	14	-0.02	14	-0.02	13	0.09	13	0.07
Well pump intake depth	6	0.09	6	0.09	7	0.19	7	0.16
External gamma shielding factor	3	0.12	3	0.12	4	0.26	5	0.21
Inhalation rate	12	0.04	12	0.04	8	0.19	8	0.16
Soil ingestion	10	-0.06	10	-0.05	11	-0.12	10	-0.10
Thickness of Unsaturated zone 2	11	-0.04	11	-0.04	6	-0.20	6	-0.17
Thickness of contaminated zone	1	0.15	1	0.15	9	0.16	9	0.13
Depth of soil mixing layer	2	0.14	2	0.14	14	0.07	14	0.06
Mass loading for inhalation	7	-0.09	8	-0.08	16	0.05	16	0.04
Kd of Co-60 in Contaminated Zone	9	-0.07	7	-0.08	5	0.25	1	0.94
Kd of Co-60 in Unsaturated Zone 1	17	0.00	17	0.00	1	-0.31	2	-0.64
Kd of Co-60 in Unsaturated Zone 2	16	0.01	16	0.01	2	-0.30	4	-0.61
Kd of Co-60 in Saturated Zone	15	-0.01	15	-0.01	3	-0.28	3	-0.63
Aquatic food	13	0.04	13	0.04	18	0.02	18	0.02
Indoor time fraction	8	0.07	9	0.07	15	0.07	15	0.06
R-SQUARE		0.11		0.11		0.35		0.35

-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
Depth of roots	4 0.12	3 0.12	14 -0.05	14 -0.04
Thickness of Unsaturated zone 1	7 -0.08	7 -0.08	11 -0.08	11 -0.07
Runoff coefficient	6 -0.08	6 -0.08	8 -0.11	8 -0.09
Wind Speed	5 -0.11	5 -0.11	6 -0.18	6 -0.15
Well pump intake depth	11 0.04	12 0.04	10 -0.10	10 -0.08
External gamma shielding factor	9 -0.07	9 -0.07	18 0.00	18 0.00
Inhalation rate	18 -0.01	18 -0.01	15 0.03	15 0.03
Soil ingestion	3 0.12	4 0.12	17 0.02	17 0.02
Thickness of Unsaturated zone 2	10 0.05	10 0.05	12 -0.08	12 -0.06
Thickness of contaminated zone	13 0.03	14 0.03	7 -0.12	7 -0.10
Depth of soil mixing layer	2 -0.13	2 -0.13	13 -0.07	13 -0.06
Mass loading for inhalation	14 -0.03	16 -0.03	16 0.03	16 0.02
Kd of Co-60 in Contaminated Zone	12 -0.04	11 -0.05	4 0.35	1 1.65
Kd of Co-60 in Unsaturated Zone 1	16 -0.03	15 -0.03	2 -0.40	3 -1.07
Kd of Co-60 in Unsaturated Zone 2	15 0.03	13 0.04	1 -0.44	2 -1.08
Kd of Co-60 in Saturated Zone	17 0.02	17 0.02	3 -0.38	4 -0.96
Aquatic food	1 0.17	1 0.17	9 0.10	9 0.08
Indoor time fraction	8 -0.08	8 -0.08	5 0.19	5 0.16
R-SQUARE	0.11	0.11	0.38	0.38

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 -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
Depth of roots	12 0.06	13 0.05	18 0.00	18 0.00
Thickness of Unsaturated zone 1	15 -0.04	16 -0.04	9 -0.13	9 -0.10
Runoff coefficient	2 -0.17	2 -0.16	6 -0.21	6 -0.17
Wind Speed	5 -0.14	5 -0.13	15 -0.08	15 -0.06
Well pump intake depth	11 -0.07	9 -0.07	14 -0.08	14 -0.06
External gamma shielding factor	4 -0.14	4 -0.14	5 -0.23	5 -0.18
Inhalation rate	7 0.11	7 0.11	16 -0.07	16 -0.05
Soil ingestion	8 0.11	8 0.10	10 -0.10	10 -0.08
Thickness of Unsaturated zone 2	17 -0.03	18 -0.03	11 -0.09	11 -0.07
Thickness of contaminated zone	6 -0.12	6 -0.12	8 0.13	7 0.10
Depth of soil mixing layer	10 -0.07	11 -0.06	12 -0.09	12 -0.07
Mass loading for inhalation	9 -0.07	10 -0.06	13 -0.08	13 -0.07
Kd of Co-60 in Contaminated Zone	18 -0.02	17 -0.04	4 0.30	1 1.33
Kd of Co-60 in Unsaturated Zone 1	13 -0.05	15 -0.05	1 -0.38	3 -0.90
Kd of Co-60 in Unsaturated Zone 2	16 -0.03	14 -0.05	2 -0.37	4 -0.88
Kd of Co-60 in Saturated Zone	14 -0.05	12 -0.05	3 -0.35	2 -0.90
Aquatic food	1 -0.18	1 -0.17	17 0.02	17 0.01
Indoor time fraction	3 -0.14	3 -0.14	7 -0.13	8 -0.10
R-SQUARE	0.14	0.14	0.42	0.42

-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.