Appendix A

Occupational Worker 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)

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)	not used	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	2.454E+03	0.000E+00	---	S1(6)
R012	Initial principal radionuclide (pCi/g): U-235	1.351E+02	0.000E+00	---	S1(7)
R012	Initial principal radionuclide (pCi/g): U-238	5.779E+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)	not used	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	not used	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	not used	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	not used	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	not used	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	not used	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	not used	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	not used	2.000E-02	---	HGWT
R014	Saturated zone b parameter	not used	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	not used	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	not used	1.000E+01	---	DWIBWT

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	not used	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	not used	2.500E+02	---	UW
R015	Number of unsaturated zone strata	not used	1	---	NS
R015	Unsat. zone 1, thickness (m)	not used	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	not used	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	not used	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	not used	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	not used	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	not used	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	not used	1.000E+01	---	HCUZ(1)
R015	Unsat. zone 2, thickness (m)	not used	0.000E+00	---	H(2)
R015	Unsat. zone 2, soil density (g/cm**3)	not used	1.500E+00	---	DENSUZ(2)
R015	Unsat. zone 2, total porosity	not used	4.000E-01	---	TPUZ(2)
R015	Unsat. zone 2, effective porosity	not used	2.000E-01	---	EPUZ(2)
R015	Unsat. zone 2, field capacity	not used	2.000E-01	---	FCUZ(2)
R015	Unsat. zone 2, soil-specific b parameter	not used	5.300E+00	---	BUZ(2)
R015	Unsat. zone 2, hydraulic conductivity (m/yr)	not used	1.000E+01	---	HCUZ(2)
R016	Distribution coefficients for U-234				
R016	Contaminated zone (cm**3/g)	8.700E+03	5.000E+01	---	DCNUCC(6)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU(6,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	5.000E+01	---	DCNUCU(6,2)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS(6)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.799E-04	ALEACH(6)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(6)
R016	Distribution coefficients for U-235				
R016	Contaminated zone (cm**3/g)	8.700E+03	5.000E+01	---	DCNUCC(7)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU(7,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	5.000E+01	---	DCNUCU(7,2)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS(7)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.799E-04	ALEACH(7)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(7)
R016	Distribution coefficients for U-238				
R016	Contaminated zone (cm**3/g)	8.700E+03	5.000E+01	---	DCNUCC(8)
R016	Unsaturated zone 1 (cm**3/g)	not used	5.000E+01	---	DCNUCU(8,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	5.000E+01	---	DCNUCU(8,2)
R016	Saturated zone (cm**3/g)	not used	5.000E+01	---	DCNUCS(8)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.799E-04	ALEACH(8)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(8)
R016	Distribution coefficients for daughter Ac-227				
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	not used	2.000E+01	---	DCNUCU(1,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	2.000E+01	---	DCNUCU(1,2)
R016	Saturated zone (cm**3/g)	not used	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)	not used	5.000E+01	---	DCNUCU(2,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	5.000E+01	---	DCNUCU(2,2)
R016	Saturated zone (cm**3/g)	not used	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)	not used	1.000E+02	---	DCNUCU(3,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	1.000E+02	---	DCNUCU(3,2)
R016	Saturated zone (cm**3/g)	not used	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)	not used	7.000E+01	---	DCNUCU(4,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	7.000E+01	---	DCNUCU(4,2)
R016	Saturated zone (cm**3/g)	not used	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)	not used	6.000E+04	---	DCNUCU(5,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	6.000E+04	---	DCNUCU(5,2)
R016	Saturated zone (cm**3/g)	not used	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)	not used	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	not used	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	not used	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	not used	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	not used	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	not used	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	not used	5.000E-01	---	FR9
R018	Contamination fraction of plant food	not used	-1	---	FPLANT
R018	Contamination fraction of meat	not used	-1	---	FMEAT
R018	Contamination fraction of milk	not used	-1	---	FMILK
R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI

Site-Specific Parameter Summary (continued)

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

Site-Specific Parameter Summary (continued)

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

Summary of Pathway Selections

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

```
      Contaminated Zone Dimensions            Initial Soil Concentrations, pCi/g
      ----------------------------            ----------------------------------
        Area:2023400.00 square meters                U-234      2.454E+03
   Thickness:      0.15 meters                       U-235      1.351E+02
 Cover Depth:      0.00 meters                       U-238      5.779E+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):  1.622E+02  1.616E+02  1.605E+02  1.564E+02  1.440E+02  8.598E+01  0.000E+00  0.000E+00
         M(t):  8.536E+00  8.505E+00  8.445E+00  8.229E+00  7.579E+00  4.525E+00  0.000E+00  0.000E+00

0Maximum TDOSE(t):  1.622E+02 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 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.863E-01	0.0036	2.881E+01	0.1776	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.895E+01	0.1168
U-235	5.877E+01	0.3624	1.478E+00	0.0091	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.844E-01	0.0061
U-238	4.230E+01	0.2608	6.064E+00	0.0374	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.241E+00	0.0261
Total	1.017E+02	0.6268	3.635E+01	0.2241	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.417E+01	0.1490

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	4.834E+01	0.2980
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	6.123E+01	0.3776
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	5.261E+01	0.3244
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	1.622E+02	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.861E-01	0.0036	2.860E+01	0.1770	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.881E+01	0.1164
U-235	5.870E+01	0.3632	1.468E+00	0.0091	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.784E-01	0.0061
U-238	4.222E+01	0.2612	6.022E+00	0.0373	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.211E+00	0.0261
Total	1.015E+02	0.6281	3.609E+01	0.2234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.400E+01	0.1485

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	4.800E+01	0.2971
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	6.115E+01	0.3784
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	5.245E+01	0.3246
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	1.616E+02	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.857E-01	0.0037	2.820E+01	0.1758	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.855E+01	0.1156
U-235	5.856E+01	0.3650	1.448E+00	0.0090	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.663E-01	0.0060
U-238	4.205E+01	0.2621	5.937E+00	0.0370	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.152E+00	0.0259
Total	1.012E+02	0.6307	3.559E+01	0.2218	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.367E+01	0.1475

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	4.734E+01	0.2951
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	6.097E+01	0.3800
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	5.214E+01	0.3249
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	1.605E+02	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.856E-01	0.0037	2.681E+01	0.1715	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.763E+01	0.1128
U-235	5.802E+01	0.3711	1.379E+00	0.0088	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.230E-01	0.0059
U-238	4.142E+01	0.2649	5.643E+00	0.0361	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.946E+00	0.0252
Total	1.000E+02	0.6397	3.383E+01	0.2164	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.250E+01	0.1439

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	4.503E+01	0.2880
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	6.032E+01	0.3858
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	5.101E+01	0.3262
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	1.564E+02	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.912E-01	0.0041	2.285E+01	0.1586	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.502E+01	0.1043
U-235	5.609E+01	0.3895	1.179E+00	0.0082	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.931E-01	0.0055
U-238	3.931E+01	0.2730	4.807E+00	0.0334	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.362E+00	0.0233
Total	9.599E+01	0.6666	2.883E+01	0.2002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.918E+01	0.1332

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.846E+01	0.2671
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	5.806E+01	0.4032
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	4.748E+01	0.3297
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	1.440E+02	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.438E-01	0.0063	9.292E+00	0.1081	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.110E+00	0.0711
U-235	3.978E+01	0.4627	4.803E-01	0.0056	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.239E-01	0.0038
U-238	2.613E+01	0.3039	1.953E+00	0.0227	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.366E+00	0.0159
Total	6.646E+01	0.7729	1.173E+01	0.1364	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.799E+00	0.0907

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	1.595E+01	0.1855
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	4.058E+01	0.4720
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	2.945E+01	0.3425
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.598E+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 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	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

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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

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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	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

0

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 Water Dependent Pathways

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	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

0*Sum of all water independent and dependent pathways.

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

0Parent (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	1.970E-02	1.956E-02	1.929E-02	1.834E-02	1.566E-02	6.457E-03	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	2.008E-07	5.987E-07	1.378E-06	3.936E-06	9.788E-06	1.345E-05	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	3.725E-09	2.577E-08	1.326E-07	1.078E-06	6.960E-06	2.687E-05	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	1.010E-12	1.478E-11	1.631E-10	3.539E-09	4.940E-08	2.395E-07	0.000E+00	0.000E+00
U-234	äDSR(j)		1.970E-02	1.956E-02	1.929E-02	1.835E-02	1.567E-02	6.498E-03	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	4.532E-01	4.526E-01	4.513E-01	4.464E-01	4.295E-01	3.002E-01	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	5.301E-06	1.549E-05	3.410E-05	8.363E-05	1.419E-04	8.589E-05	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	2.269E-07	1.496E-06	6.927E-06	3.959E-05	1.138E-04	9.450E-05	0.000E+00	0.000E+00
U-235	äDSR(j)		4.533E-01	4.526E-01	4.513E-01	4.465E-01	4.298E-01	3.004E-01	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	9.103E-02	9.076E-02	9.022E-02	8.826E-02	8.215E-02	5.096E-02	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	2.789E-08	8.315E-08	1.914E-07	5.460E-07	1.354E-06	1.840E-06	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	1.896E-13	1.320E-12	6.882E-12	5.860E-11	4.227E-10	1.909E-09	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	2.644E-15	3.930E-14	4.489E-13	1.103E-11	2.169E-10	3.099E-09	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	5.743E-19	1.743E-17	4.190E-16	2.763E-14	1.211E-12	2.365E-11	0.000E+00	0.000E+00
U-238	äDSR(j)		9.103E-02	9.076E-02	9.022E-02	8.826E-02	8.215E-02	5.096E-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.

0

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

0Nuclide (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	9.646E+02	9.713E+02	9.849E+02	1.036E+03	1.212E+03	2.924E+03	*6.245E+09	*6.245E+09
U-235	4.192E+01	4.198E+01	4.210E+01	4.255E+01	4.421E+01	6.325E+01	*2.160E+06	*2.160E+06
U-238	2.087E+02	2.093E+02	2.106E+02	2.153E+02	2.313E+02	3.728E+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

0Nuclide (i)	Initial pCi/g	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
U-234	2.454E+03	0.000E+00	1.970E-02	9.646E+02	1.970E-02	9.646E+02
U-235	1.351E+02	0.000E+00	4.533E-01	4.192E+01	4.533E-01	4.192E+01
U-238	5.779E+02	0.000E+00	9.103E-02	2.087E+02	9.103E-02	2.087E+02

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

0Nuclide (j)	Parent (i)	BRF(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
			DOSE(j,t), mrem/yr							
U-234	U-234	1.000E+00	4.834E+01	4.800E+01	4.734E+01	4.501E+01	3.842E+01	1.585E+01	0.000E+00	0.000E+00
U-234	U-238	1.000E+00	1.612E-05	4.805E-05	1.106E-04	3.155E-04	7.823E-04	1.063E-03	0.000E+00	0.000E+00
U-234	äDOSE(j):		4.834E+01	4.800E+01	4.734E+01	4.501E+01	3.842E+01	1.585E+01	0.000E+00	0.000E+00
0Th-230	U-234	1.000E+00	4.927E-04	1.469E-03	3.382E-03	9.659E-03	2.402E-02	3.301E-02	0.000E+00	0.000E+00
Th-230	U-238	1.000E+00	1.096E-10	7.626E-10	3.977E-09	3.387E-08	2.443E-07	1.103E-06	0.000E+00	0.000E+00
Th-230	äDOSE(j):		4.927E-04	1.469E-03	3.382E-03	9.659E-03	2.402E-02	3.301E-02	0.000E+00	0.000E+00
0Ra-226	U-234	1.000E+00	9.142E-06	6.324E-05	3.254E-04	2.646E-03	1.708E-02	6.595E-02	0.000E+00	0.000E+00
Ra-226	U-238	1.000E+00	1.528E-12	2.271E-11	2.594E-10	6.375E-09	1.254E-07	1.791E-06	0.000E+00	0.000E+00
Ra-226	äDOSE(j):		9.142E-06	6.324E-05	3.254E-04	2.646E-03	1.708E-02	6.595E-02	0.000E+00	0.000E+00
0Pb-210	U-234	1.000E+00	2.479E-09	3.626E-08	4.001E-07	8.686E-06	1.212E-04	5.878E-04	0.000E+00	0.000E+00
Pb-210	U-238	1.000E+00	3.319E-16	1.007E-14	2.421E-13	1.597E-11	6.996E-10	1.367E-08	0.000E+00	0.000E+00
Pb-210	äDOSE(j):		2.479E-09	3.626E-08	4.001E-07	8.686E-06	1.212E-04	5.878E-04	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	6.123E+01	6.115E+01	6.097E+01	6.031E+01	5.803E+01	4.056E+01	0.000E+00	0.000E+00
0Pa-231	U-235	1.000E+00	7.162E-04	2.092E-03	4.607E-03	1.130E-02	1.916E-02	1.160E-02	0.000E+00	0.000E+00
0Ac-227	U-235	1.000E+00	3.066E-05	2.022E-04	9.359E-04	5.349E-03	1.537E-02	1.277E-02	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	5.261E+01	5.245E+01	5.214E+01	5.101E+01	4.748E+01	2.945E+01	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

0Nuclide (j)	Parent (i)	BRF(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
			S(j,t), pCi/g							
U-234	U-234	1.000E+00	2.454E+03	2.453E+03	2.452E+03	2.447E+03	2.433E+03	2.386E+03	2.254E+03	1.850E+03
U-234	U-238	1.000E+00	0.000E+00	1.638E-03	4.911E-03	1.634E-02	4.874E-02	1.593E-01	4.517E-01	1.237E+00
U-234	äS(j):		2.454E+03	2.453E+03	2.452E+03	2.447E+03	2.433E+03	2.386E+03	2.255E+03	1.851E+03
0Th-230	U-234	1.000E+00	0.000E+00	2.209E-02	6.624E-02	2.205E-01	6.594E-01	2.173E+00	6.306E+00	1.875E+01
Th-230	U-238	1.000E+00	0.000E+00	7.373E-09	6.633E-08	7.359E-07	6.596E-06	7.225E-05	6.243E-04	6.022E-03
Th-230	äS(j):		0.000E+00	2.209E-02	6.624E-02	2.205E-01	6.594E-01	2.173E+00	6.307E+00	1.876E+01
0Ra-226	U-234	1.000E+00	0.000E+00	4.729E-06	4.158E-05	4.266E-04	3.110E-03	1.946E-02	7.070E-02	2.257E-01
Ra-226	U-238	1.000E+00	0.000E+00	1.055E-12	2.800E-11	9.760E-10	2.242E-08	5.255E-07	6.408E-06	7.055E-05
Ra-226	äS(j):		0.000E+00	4.729E-06	4.158E-05	4.266E-04	3.110E-03	1.946E-02	7.071E-02	2.258E-01
0Pb-210	U-234	1.000E+00	0.000E+00	4.847E-08	1.251E-06	3.973E-05	7.113E-04	8.416E-03	3.714E-02	1.247E-01
Pb-210	U-238	1.000E+00	0.000E+00	8.126E-15	6.348E-13	6.926E-11	4.030E-09	1.945E-07	3.165E-06	3.828E-05
Pb-210	äS(j):		0.000E+00	4.847E-08	1.251E-06	3.973E-05	7.114E-04	8.416E-03	3.715E-02	1.247E-01
0U-235	U-235	1.000E+00	1.351E+02	1.351E+02	1.350E+02	1.347E+02	1.340E+02	1.314E+02	1.242E+02	1.021E+02
0Pa-231	U-235	1.000E+00	0.000E+00	2.790E-03	7.977E-03	2.261E-02	4.494E-02	5.715E-02	5.448E-02	4.478E-02
0Ac-227	U-235	1.000E+00	0.000E+00	4.257E-05	3.364E-04	2.443E-03	8.124E-03	1.192E-02	1.141E-02	9.377E-03
0U-238	U-238	1.000E+00	5.779E+02	5.777E+02	5.774E+02	5.763E+02	5.731E+02	5.619E+02	5.313E+02	4.368E+02

BRF(i) is the branch fraction of the parent nuclide.
0RESMAIN5.EXE execution time = 295.19 seconds
Total water/soil iteration failures = 1.

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Iteration Log for Computation of the Time of Maximum U-234 Dose/Source Ratio
Pathway: Ground
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	5.57060E+01	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.

Source Factors for Ingrowth and Decay
Radioactivity Factors Only
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
			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
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	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
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	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

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
			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
0U-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
0U-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.

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

0

Radio-nuclide (i)	Distribution Coefficient Kd(i),cm**3/g	Leaching Ratio q(i)
Ac-227	2.000000E+01	1.065E-02
Pa-231	5.000000E+01	4.289E-03
Pb-210	1.000000E+02	2.149E-03
Ra-226	7.000000E+01	3.068E-03
Th-230	6.000000E+04	3.590E-06
U-234	8.700000E+03	2.476E-05
U-235	8.700000E+03	2.476E-05
U-238	8.700000E+03	2.476E-05

0

Time Dependence of Source Geometry

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

Nuclide (i)	Cd(i,t) (meters) 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	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Pa-231	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Pb-210	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	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-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-235	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

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

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

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
	FCTR_COV_DEPTH(i,t) (dimensionless)							
Ac-227	9.336E-01	9.325E-01	9.301E-01	9.209E-01	8.876E-01	6.162E-01	0.000E+00	0.000E+00
Pa-231	9.316E-01	9.304E-01	9.279E-01	9.186E-01	8.847E-01	6.104E-01	0.000E+00	0.000E+00
Pb-210	9.854E-01	9.850E-01	9.842E-01	9.810E-01	9.679E-01	7.981E-01	0.000E+00	0.000E+00
Ra-226	8.568E-01	8.550E-01	8.513E-01	8.378E-01	7.919E-01	5.026E-01	0.000E+00	0.000E+00
Th-230	9.872E-01	9.868E-01	9.860E-01	9.830E-01	9.702E-01	7.877E-01	0.000E+00	0.000E+00
U-234	9.908E-01	9.905E-01	9.900E-01	9.877E-01	9.780E-01	8.313E-01	0.000E+00	0.000E+00
U-235	9.584E-01	9.575E-01	9.557E-01	9.488E-01	9.225E-01	6.700E-01	0.000E+00	0.000E+00
U-238	8.914E-01	8.899E-01	8.868E-01	8.753E-01	8.357E-01	5.688E-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
	FCTR_AREA(i,t) (dimensionless)							
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
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
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
Ra-226	9.995E-01	9.995E-01	9.995E-01	9.995E-01	9.995E-01	9.995E-01	1.000E+00	1.000E+00
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
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
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
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

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

0Parent (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
0U-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
0U-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

0Parent (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
0U-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
0U-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

0Parent (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
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
0U-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
0U-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	5.808E-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)	Depth Factor [FD(i,2,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	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)

0Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.320E-01	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
0U-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
0U-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 Flux

0

	*Floor Material	Cover Material	Contaminated Zone
Radon Diffusion Coefficient (m**2/s)	3.000E-07	2.000E-06	2.000E-06
Total Porosity	1.000E-01	4.000E-01	4.000E-01
Volumetric Water Content	3.000E-02	5.000E-02	3.231E-01
Bulk Density (g/cm**3)	2.400E+00	1.500E+00	1.500E+00
Rn-222 Emanation Coefficient	2.500E-01	2.500E-01	2.500E-01
Initial Thickness (m)	1.500E-01	0.000E+00	1.500E-01

Building Depth Below Ground Surface *(DMFL): -1.000E+00 (m)
Negative DMFL shows building depth adjusted (if necessary) for no penetration
of contaminated zone. Actual values used *(DMFLACT), m:

t=	0.0000E+00	1.0000E+00	3.0000E+00	1.0000E+01	3.0000E+01	1.0000E+02	3.0000E+02	1.0000E+03
DMFLACT=	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Building indoor area factor *(FAI): 0.000E+00
FAI <= 0.0 shows calculated time-dependent value based on amount of wall area
extending into the contaminated zone. Actual values used *(FAIACT):

t=	0.0000E+00	1.0000E+00	3.0000E+00	1.0000E+01	3.0000E+01	1.0000E+02	3.0000E+02	1.0000E+03
FAIACT =	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* - Parameters are used only for indoor radon flux

0

Time Dependence of Outdoor Radon Flux [FLUXO(i,t)]

0Nuclide FLUXO(i,t) (pCi/m**2/s)

(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

Time Dependence of Indoor Radon Flux [FLUXI(i,t)]

0Nuclide FLUXI(i,t) (pCi/m**2/s)

(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

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 Time Dependence of Outdoor Radon Concentration [CRNO(i,t)]

0Nuclide CRNO(i,t) (pCi/m**3)

(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 Time Dependence of Indoor Radon Concentration [HCONC(i,r)]

0Nuclide HCONC(i,t) (pCi/m**3)

(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

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

0Nuclide WLOTD(i,t) (WL)

(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)]

0Nuclide WLIND(i,t) (WL)

(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

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
			DSR(j,9,t) - DSRRNW(j,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Radon Pathway (p=9)
Subpathway: Indoor Radon from Water Usage
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
			DSRRNW(j,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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 (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time 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
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0 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

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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
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0 Radio-nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdcz(i)	Breakthrough Time Chain year	Breakthrough Time 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

Water/Soil Concentration Ratios [WSR(j,1,t)] for Groundwater Pathway Segment

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
			WSR(j,1,t) in (pCi/L)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.664E-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	2.547E-06
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	8.337E-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	3.532E-05	2.086E-03
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.532E-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	4.988E-10

0

Water/Soil Concentration Ratios [WSR(j,2,t)] for Surface Water Pathway Segment

0 Watershed Area (Aw) = 1.0000E+06 m**2
Contaminated Zone Area (A) = 2.0234E+06 m**2
Dilution Factor (f') = 2.0234E+00
Soil Density (rhob) = 1.5000E+00 kg/m**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
			WSR(j,2,t) in (pCi/L)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.414E-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	5.153E-06
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	1.687E-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	7.147E-05	4.221E-03
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.524E-09
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	1.009E-09

Storage Times For Contaminated Foodstuffs

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

0

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

Parent (i)	Product (j)	Branch Fraction	STOR_ID(i,j,t) = CONCE(i,j,t)/CONCE(i,i,0) t= 1.400E+01	1.000E+00	1.000E+00	2.000E+01	7.000E+00	7.000E+00	1.000E+00	1.000E+00	4.500E+01
Ac-227	Ac-227	1.000E+00	9.988E-01	9.999E-01	9.999E-01	9.983E-01	9.994E-01	9.994E-01	9.999E-01	9.999E-01	9.961E-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
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	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	9.962E-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	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	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
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	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	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
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	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	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	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
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	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	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
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	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	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	3.446E-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	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

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
			CFWW(j,t,1)#							
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CFWW(j,t,2)#							
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

Storage Time Correction Factors
Irrigation Water for Leafy Plants 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*	CFWW(j,t,3)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFWW(j,t,5)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFWW(j,t,7)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

Storage Time Correction Factors
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*	CFWW(j,t,4)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFWW(j,t,6)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CF3(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	1.001E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.988E-01	9.993E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.001E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CF3(j,2,t)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0U-235	U-235	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Pa-231	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.999E-01
0U-238	U-238	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-238	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFLF(j,1,t)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
U-234	Th-230	1.000E+00	1.000E+00	1.366E+00	1.107E+00	1.031E+00	1.010E+00	1.003E+00	1.000E+00	1.000E+00
U-234	Ra-226	1.000E+00	1.000E+00	1.009E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
U-234	Pb-210	1.000E+00	1.000E+00	2.809E+00	1.534E+00	1.163E+00	1.063E+00	1.031E+00	1.000E+00	1.002E+00
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	1.039E+00	1.012E+00	1.004E+00	1.002E+00	1.002E+00	1.000E+00	1.000E+00
U-235	Ac-227	1.000E+00	1.000E+00	2.244E+00	1.386E+00	1.141E+00	1.082E+00	1.070E+00	9.961E-01	9.977E-01
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	1.150E+00	1.044E+00	1.013E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00
U-238	Th-230	1.000E+00	1.000E+00	1.787E+00	1.218E+00	1.062E+00	1.020E+00	1.006E+00	1.000E+00	1.000E+00
U-238	Ra-226	1.000E+00	1.000E+00	1.016E+00	1.004E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
U-238	Pb-210	1.000E+00	1.000E+00	3.417E+00	1.711E+00	1.215E+00	1.081E+00	1.037E+00	1.000E+00	1.002E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFLF(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	1.344E+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

0Parent (i)	Product (j)	Branch Fraction*	CF45(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	1.203E+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

0Parent (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

0Parent (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= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,1,t) (dimensionless)							
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
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
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
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
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
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
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
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

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= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,2,t) (dimensionless)							
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
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
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
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
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
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	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	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	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)	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
	Depth Factor FD(i,3,t) (dimensionless)							
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
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
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
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
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
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
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
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

0

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

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

The Depth Factor Value
FD(i,p,q,t) = 1.0000E+00
is applicable for all radionuclides(i) and times(t).

0

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

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

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)

occur only for the meat (p=4) and milk (p=5) pathways.

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


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

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)
           occur only for the meat (p=4) and milk (p=5) pathways.
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Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)
Subpathway: Root Uptake from Contaminated Soil (q=1)

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (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
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (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
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

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

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

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

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

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

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

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

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

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

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

Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)
Subpathway: Livestock Water (q=5)

0Parent (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
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

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

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

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

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

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

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

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

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

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

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

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)
Subpathway: Livestock Water (q=5)

0Parent (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
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	2.670E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.060E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.480E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	2.690E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	2.830E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/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

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
			DSR(j,3,1,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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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

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
			DSR(j,3,2,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
Subpathway: Ditch Irrigation (q=3)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,3,3,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
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
Subpathway: Overhead Irrigation (q=4)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,3,4,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
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
Total for All Subpathways
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,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
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)

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
			DSR(j,4,1,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

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
			DSR(j,4,2,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Ditch Irrigation (q=3)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,4,3,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Overhead Irrigation (q=4)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,4,4,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of 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
			DSR(j,4,5,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of 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
			DSR(j,4,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: 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
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: 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
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Ditch Irrigation (q=3)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,5,3,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Overhead Irrigation (q=4)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,5,4,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Livestock Water (q=5)
Parent and Progeny Principal Radionuclide Contributions Indicated

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
			DSR(j,5,5,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
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
			DSR(j,5,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,6,t) (mrem/yr)/(pCi/g) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)
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
			DSR(j,7,t) (mrem/yr)/(pCi/g)							
U-234	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	äDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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.

0

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

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

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

0 Nuclide(i)

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

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
			FSR(j,3,3,k,t)							
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	1.656E-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	2.880E-12
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	9.409E-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	9.895E-12	5.850E-10
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	3.366E-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	5.566E-16

0

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
			FSR(j,3,4,1,t) * SF(j,t)							
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	1.265E-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	8.791E-10
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	2.878E-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	1.218E-08	7.201E-07
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.571E-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	1.699E-13

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
			FSR(j,3,4,2,t) * SF(j,t)							
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	6.066E-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	4.216E-09
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	1.380E-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	5.846E-08	3.453E-06
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	1.245E-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	8.241E-13

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

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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):
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0Nuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Ac-227	2.0000E-05	2.0000E-05	2.8659E-01	1.3269E-07	1.8139E-03
Pa-231	5.0000E-03	5.0000E-06	2.8659E-01	5.3230E-07	1.8139E-03
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	5.3282E-07	1.8139E-03
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	2.1304E-06	1.8139E-03
Th-230	1.0000E-04	5.0000E-06	2.8659E-01	5.2861E-08	1.8139E-03
U-234	3.4000E-04	6.0000E-04	2.8659E-01	1.3343E-07	1.8139E-03
U-235	3.4000E-04	6.0000E-04	2.8659E-01	1.3343E-07	1.8139E-03
U-238	3.4000E-04	6.0000E-04	2.8659E-01	1.3343E-07	1.8139E-03

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

Fodder/Soil Concentration Ratios, QSR(i,p,q,t), for Meat and Milk Pathways
Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i) Parent	Product	QSR(i,p,1)	QSR(i,p,2)
U-234	U-234	2.5000E-03	6.7655E-06
U-234	Th-230	1.0000E-03	6.7655E-06
U-234	Ra-226	4.0000E-02	6.7655E-06
U-234	Pb-210	1.0000E-02	6.7655E-06
0 U-235	U-235	2.5000E-03	6.7655E-06
U-235	Pa-231	1.0000E-02	6.7655E-06
U-235	Ac-227	2.5000E-03	6.7655E-06
0 U-238	U-238	2.5000E-03	6.7655E-06
U-238	U-234	2.5000E-03	6.7655E-06
U-238	Th-230	1.0000E-03	6.7655E-06
U-238	Ra-226	4.0000E-02	6.7655E-06
U-238	Pb-210	1.0000E-02	6.7655E-06

0

Fodder/Soil Concentration Ratio, QSR(j,p,q,t),for Meat and Milk Pathways
Ditch Irrigation (q=3)

0Parent (i)	Product (j)	Branch Fraction*	QSR(j,p,3,t) * SF(j,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	0.000E+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
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Fodder/Soil Concentration Ratio, QSR(j,p,q,t),for Meat and Milk Pathways
Overhead Irrigation (q=4)

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
			QSR(j,p,4,t) * SF(j,t)							
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
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

Fodder/Soil Concentration Ratio, QSR(j,p,q,t),for Meat and Milk Pathways
Livestock Water (q=5)

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
			QSR(j,p,5,t) * SF(j,t)							
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
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Ac-227	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0U-238	U-238	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	U-234	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Meat/Soil Concentration Ratios, FSR(i,4,q,t)
Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i) Parent	Product	FSR(i,4,1)	FSR(i,4,2)
U-234	U-234	9.6333E-06	1.5642E-07
U-234	Th-230	0.0000E+00	0.0000E+00
U-234	Ra-226	0.0000E+00	0.0000E+00
U-234	Pb-210	0.0000E+00	0.0000E+00
0 U-235	U-235	9.6333E-06	1.5642E-07
U-235	Pa-231	0.0000E+00	0.0000E+00
U-235	Ac-227	0.0000E+00	0.0000E+00
0 U-238	U-238	9.6333E-06	1.5642E-07
U-238	U-234	0.0000E+00	0.0000E+00
U-238	Th-230	0.0000E+00	0.0000E+00
U-238	Ra-226	0.0000E+00	0.0000E+00
U-238	Pb-210	0.0000E+00	0.0000E+00

0

Meat/Soil Concentration Ratio, FSR(j,4,q,t)
Ditch Irrigation (q=3)

0Parent (i)	Product (j)	Branch Fraction*	FSR(j,4,3,t) * SF(j,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	0.000E+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	5.306E-13
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	7.513E-14
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	1.509E-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	6.322E-15	3.773E-13
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	1.067E-16
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	1.439E-17

Meat/Soil Concentration Ratio, FSR(j,4,q,t)
Overhead Irrigation (q=4)

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
			FSR(j,4,4,t) * SF(j,t)							
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	4.518E-10
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	2.516E-10
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	5.141E-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	8.642E-11	5.134E-09
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	9.089E-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	4.816E-14

0

Meat/Soil Concentration Ratio, FSR(j,4,q,t)
Livestock Water (q=5)

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
			FSR(j,4,5,t) * SF(j,t)							
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	1.832E-10
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	1.019E-10
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	2.084E-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	3.527E-11	2.086E-09
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	3.713E-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	1.963E-14

Milk/Soil Concentration Ratios, FSR(i,5,q,t)
Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i) Parent	Product	FSR(i,5,1)	FSR(i,5,2)
U-234	U-234	1.3750E-05	2.2326E-07
U-234	Th-230	0.0000E+00	0.0000E+00
U-234	Ra-226	0.0000E+00	0.0000E+00
U-234	Pb-210	0.0000E+00	0.0000E+00
0 U-235	U-235	1.3750E-05	2.2326E-07
U-235	Pa-231	0.0000E+00	0.0000E+00
U-235	Ac-227	0.0000E+00	0.0000E+00
0 U-238	U-238	1.3750E-05	2.2326E-07
U-238	U-234	0.0000E+00	0.0000E+00
U-238	Th-230	0.0000E+00	0.0000E+00
U-238	Ra-226	0.0000E+00	0.0000E+00
U-238	Pb-210	0.0000E+00	0.0000E+00

0

Milk/Soil Concentration Ratio, FSR(j,5,q,t)
Ditch Irrigation (q=3)

0Parent (i)	Product (j)	Branch Fraction*	FSR(j,5,3,t) * SF(j,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	0.000E+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	4.292E-13
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	2.279E-14
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	1.220E-13
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	5.120E-15	3.052E-13
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	8.687E-17
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	4.409E-18

Milk/Soil Concentration Ratio, FSR(j,5,q,t)
Overhead Irrigation (q=4)

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
			FSR(j,5,4,t) * SF(j,t)							
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	3.654E-10
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	7.633E-11
0U-235	U-235	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	Pa-231	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.158E-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	6.998E-11	4.152E-09
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	7.396E-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	1.475E-14

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Milk/Soil Concentration Ratio, FSR(j,5,q,t)
Livestock Water (q=5)

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
			FSR(j,5,5,t) * SF(j,t)							
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	5.863E-10
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	1.222E-10
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	6.669E-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	1.130E-10	6.675E-09
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	1.203E-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	2.389E-14

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

0Parent (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	9.818E-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
0U-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
0U-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	5.583E-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.

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

0Parent (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
0U-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
0U-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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Part III: Intake Quantities and Health Risk Factors

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Cancer Risk Slope Factors Summary Table
File: Default.LIB

0 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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
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	2.190E+02	0.000E+00	0.000E+00	0.000E+00	6.718E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.718E+04
U-235	1.206E+01	0.000E+00	0.000E+00	0.000E+00	3.698E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.698E+03
U-238	5.157E+01	0.000E+00	0.000E+00	0.000E+00	1.582E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.582E+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= 0.000E+00 years

0

Radon	Radionuclides							
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= 0.000E+00 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	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	9.191E-07	0.0006	9.197E-05	0.0621	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.868E-05	0.0599
U-235	6.292E-04	0.4250	4.702E-06	0.0032	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.215E-06	0.0035
U-238	6.120E-04	0.4133	1.856E-05	0.0125	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.943E-05	0.0199
Total	1.242E-03	0.8389	1.152E-04	0.0778	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.233E-04	0.0833

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	1.816E-04	0.1226
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	6.392E-04	0.4317
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	6.600E-04	0.4457
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	1.481E-03	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

0

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

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

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	9.191E-07	0.0006	9.197E-05	0.0621	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.868E-05	0.0599
U-235	6.292E-04	0.4250	4.702E-06	0.0032	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.215E-06	0.0035
U-238	6.120E-04	0.4133	1.856E-05	0.0125	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.943E-05	0.0199
Total	1.242E-03	0.8389	1.152E-04	0.0778	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.233E-04	0.0833

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.816E-04	0.1226
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	6.392E-04	0.4317
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.600E-04	0.4457
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	1.481E-03	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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Ac-227	3.773E-06	0.000E+00	0.000E+00	0.000E+00	1.158E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.158E-03
Pa-231	2.473E-04	0.000E+00	0.000E+00	0.000E+00	7.586E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.586E-02
Pb-210	4.296E-09	0.000E+00	0.000E+00	0.000E+00	1.318E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.318E-06
Ra-226	4.192E-07	0.000E+00	0.000E+00	0.000E+00	1.286E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.286E-04
Th-230	1.958E-03	0.000E+00	0.000E+00	0.000E+00	6.006E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.006E-01
U-234	2.175E+02	0.000E+00	0.000E+00	0.000E+00	6.671E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.671E+04
U-235	1.197E+01	0.000E+00	0.000E+00	0.000E+00	3.673E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.673E+03
U-238	5.121E+01	0.000E+00	0.000E+00	0.000E+00	1.571E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.571E+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+00 years

0

Radon	Radionuclides							
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+00 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	6.645E-10	0.0000	8.943E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.188E-11	0.0000
Pa-231	1.262E-09	0.0000	1.780E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.414E-10	0.0000
Pb-210	1.229E-16	0.0000	4.897E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.993E-14	0.0000
Ra-226	4.873E-10	0.0000	3.395E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.157E-12	0.0000
Th-230	1.726E-11	0.0000	9.985E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.847E-10	0.0000
U-234	9.186E-07	0.0006	9.133E-05	0.0618	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.806E-05	0.0596
U-235	6.285E-04	0.4255	4.669E-06	0.0032	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.178E-06	0.0035
U-238	6.108E-04	0.4135	1.844E-05	0.0125	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.922E-05	0.0198
Total	1.240E-03	0.8396	1.144E-04	0.0775	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.225E-04	0.0829

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	6.953E-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	1.781E-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	4.055E-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	4.885E-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	1.700E-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	1.803E-04	0.1221
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	6.383E-04	0.4322
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	6.584E-04	0.4458
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	1.477E-03	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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	9.191E-07	0.0006	9.133E-05	0.0618	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.806E-05	0.0596
U-235	6.285E-04	0.4255	4.669E-06	0.0032	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.179E-06	0.0035
U-238	6.108E-04	0.4135	1.844E-05	0.0125	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.922E-05	0.0198
Total	1.240E-03	0.8396	1.144E-04	0.0775	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.225E-04	0.0829

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.803E-04	0.1221
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	6.383E-04	0.4322
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.584E-04	0.4458
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	1.477E-03	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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Ac-227	2.942E-05	0.000E+00	0.000E+00	0.000E+00	9.025E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.025E-03
Pa-231	6.976E-04	0.000E+00	0.000E+00	0.000E+00	2.140E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.140E-01
Pb-210	1.094E-07	0.000E+00	0.000E+00	0.000E+00	3.356E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.356E-05
Ra-226	3.636E-06	0.000E+00	0.000E+00	0.000E+00	1.115E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.115E-03
Th-230	5.793E-03	0.000E+00	0.000E+00	0.000E+00	1.777E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.777E+00
U-234	2.144E+02	0.000E+00	0.000E+00	0.000E+00	6.578E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.578E+04
U-235	1.180E+01	0.000E+00	0.000E+00	0.000E+00	3.621E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.621E+03
U-238	5.049E+01	0.000E+00	0.000E+00	0.000E+00	1.549E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.549E+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= 3.000E+00 years

0

Radon	Radionuclides							
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+00 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	5.237E-09	0.0000	6.972E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.706E-10	0.0000
Pa-231	3.598E-09	0.0000	5.023E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.630E-10	0.0000
Pb-210	3.169E-15	0.0000	1.247E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.017E-12	0.0000
Ra-226	4.266E-09	0.0000	2.945E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.004E-11	0.0000
Th-230	5.173E-11	0.0000	2.954E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.026E-09	0.0000
U-234	9.175E-07	0.0006	9.006E-05	0.0613	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.683E-05	0.0591
U-235	6.270E-04	0.4266	4.604E-06	0.0031	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.106E-06	0.0035
U-238	6.083E-04	0.4139	1.818E-05	0.0124	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.881E-05	0.0196
Total	1.236E-03	0.8411	1.128E-04	0.0768	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.208E-04	0.0822

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	5.478E-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	5.063E-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	1.033E-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	4.277E-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	5.032E-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	1.778E-04	0.1210
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	6.367E-04	0.4332
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	6.553E-04	0.4458
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	1.470E-03	1.0000

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

0

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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	9.218E-07	0.0006	9.006E-05	0.0613	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.683E-05	0.0591
U-235	6.270E-04	0.4266	4.604E-06	0.0031	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.107E-06	0.0035
U-238	6.083E-04	0.4139	1.818E-05	0.0124	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.881E-05	0.0196
Total	1.236E-03	0.8411	1.128E-04	0.0768	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.208E-04	0.0822

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.778E-04	0.1210
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	6.367E-04	0.4332
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.553E-04	0.4458
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	1.470E-03	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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Ac-227	2.034E-04	0.000E+00	0.000E+00	0.000E+00	6.241E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.241E-02
Pa-231	1.883E-03	0.000E+00	0.000E+00	0.000E+00	5.778E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.778E-01
Pb-210	3.309E-06	0.000E+00	0.000E+00	0.000E+00	1.015E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.015E-03
Ra-226	3.553E-05	0.000E+00	0.000E+00	0.000E+00	1.090E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.090E-02
Th-230	1.837E-02	0.000E+00	0.000E+00	0.000E+00	5.635E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.635E+00
U-234	2.038E+02	0.000E+00	0.000E+00	0.000E+00	6.252E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.252E+04
U-235	1.122E+01	0.000E+00	0.000E+00	0.000E+00	3.442E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.442E+03
U-238	4.800E+01	0.000E+00	0.000E+00	0.000E+00	1.472E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.472E+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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	3.766E-08	0.0000	4.821E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.180E-09	0.0000
Pa-231	1.010E-08	0.0000	1.356E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.600E-09	0.0000
Pb-210	1.003E-13	0.0000	3.772E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.075E-11	0.0000
Ra-226	4.308E-08	0.0000	2.878E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.810E-11	0.0000
Th-230	1.717E-10	0.0000	9.367E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.424E-09	0.0000
U-234	9.136E-07	0.0006	8.560E-05	0.0593	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.253E-05	0.0572
U-235	6.212E-04	0.4303	4.376E-06	0.0030	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.853E-06	0.0034
U-238	5.993E-04	0.4151	1.728E-05	0.0120	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.739E-05	0.0190
Total	1.221E-03	0.8462	1.073E-04	0.0743	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.148E-04	0.0795

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	3.932E-08	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	1.405E-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	3.123E-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	4.318E-08	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	1.596E-08	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	1.690E-04	0.1171
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	6.304E-04	0.4367
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	6.439E-04	0.4461
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	1.444E-03	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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	9.569E-07	0.0007	8.561E-05	0.0593	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.254E-05	0.0572
U-235	6.213E-04	0.4304	4.378E-06	0.0030	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.857E-06	0.0034
U-238	5.993E-04	0.4151	1.728E-05	0.0120	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.739E-05	0.0190
Total	1.221E-03	0.8462	1.073E-04	0.0743	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.148E-04	0.0795

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.691E-04	0.1171
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	6.305E-04	0.4368
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.439E-04	0.4461
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	1.444E-03	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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Ac-227	5.800E-04	0.000E+00	0.000E+00	0.000E+00	1.779E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.779E-01
Pa-231	3.208E-03	0.000E+00	0.000E+00	0.000E+00	9.841E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.841E-01
Pb-210	5.078E-05	0.000E+00	0.000E+00	0.000E+00	1.558E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.558E-02
Ra-226	2.220E-04	0.000E+00	0.000E+00	0.000E+00	6.811E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.811E-02
Th-230	4.707E-02	0.000E+00	0.000E+00	0.000E+00	1.444E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.444E+01
U-234	1.737E+02	0.000E+00	0.000E+00	0.000E+00	5.329E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.329E+04
U-235	9.564E+00	0.000E+00	0.000E+00	0.000E+00	2.934E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.934E+03
U-238	4.091E+01	0.000E+00	0.000E+00	0.000E+00	1.255E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.255E+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= 3.000E+01 years

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	1.207E-07	0.0001	1.374E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.363E-09	0.0000
Pa-231	1.932E-08	0.0000	2.310E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.428E-09	0.0000
Pb-210	1.772E-12	0.0000	5.789E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.720E-10	0.0000
Ra-226	2.969E-07	0.0002	1.798E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.130E-10	0.0000
Th-230	5.067E-10	0.0000	2.401E-08	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.646E-08	0.0000
U-234	8.996E-07	0.0007	7.296E-05	0.0536	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.034E-05	0.0517
U-235	6.006E-04	0.4416	3.730E-06	0.0027	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.137E-06	0.0030
U-238	5.690E-04	0.4183	1.473E-05	0.0108	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.334E-05	0.0172
Total	1.171E-03	0.8608	9.144E-05	0.0672	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.785E-05	0.0719

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	1.255E-07	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	2.606E-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	4.796E-10	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.975E-07	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	4.098E-08	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	1.442E-04	0.1060
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	6.085E-04	0.4474
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	6.070E-04	0.4463
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	1.360E-03	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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.197E-06	0.0009	7.298E-05	0.0537	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.036E-05	0.0517
U-235	6.008E-04	0.4417	3.734E-06	0.0027	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.145E-06	0.0030
U-238	5.690E-04	0.4183	1.473E-05	0.0108	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.334E-05	0.0172
Total	1.171E-03	0.8608	9.144E-05	0.0672	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.785E-05	0.0719

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.445E-04	0.1063
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	6.087E-04	0.4475
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.070E-04	0.4463
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	1.360E-03	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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Ac-227	3.546E-04	0.000E+00	0.000E+00	0.000E+00	1.088E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.088E-01
Pa-231	1.700E-03	0.000E+00	0.000E+00	0.000E+00	5.215E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.215E-01
Pb-210	2.503E-04	0.000E+00	0.000E+00	0.000E+00	7.680E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.680E-02
Ra-226	5.788E-04	0.000E+00	0.000E+00	0.000E+00	1.776E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.776E-01
Th-230	6.463E-02	0.000E+00	0.000E+00	0.000E+00	1.983E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.983E+01
U-234	7.096E+01	0.000E+00	0.000E+00	0.000E+00	2.177E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.177E+04
U-235	3.908E+00	0.000E+00	0.000E+00	0.000E+00	1.199E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.199E+03
U-238	1.671E+01	0.000E+00	0.000E+00	0.000E+00	5.128E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.128E+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	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ac-227	1.230E-07	0.0001	8.405E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.056E-09	0.0000
Pa-231	1.695E-08	0.0000	1.224E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.347E-09	0.0000
Pb-210	1.729E-11	0.0000	2.854E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.327E-09	0.0000
Ra-226	1.179E-06	0.0013	4.688E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.598E-09	0.0000
Th-230	1.356E-09	0.0000	3.296E-08	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.260E-08	0.0000
U-234	7.496E-07	0.0008	2.980E-05	0.0336	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.874E-05	0.0324
U-235	4.278E-04	0.4823	1.524E-06	0.0017	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.690E-06	0.0019
U-238	3.797E-04	0.4281	6.017E-06	0.0068	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.538E-06	0.0108
Total	8.096E-04	0.9128	3.738E-05	0.0421	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.000E-05	0.0451

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	1.259E-07	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	2.052E-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	2.373E-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	1.180E-06	0.0013
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.692E-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	5.929E-05	0.0668
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	4.310E-04	0.4859
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	3.953E-04	0.4457
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.869E-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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
U-234	1.930E-06	0.0022	2.984E-05	0.0336	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.876E-05	0.0324
U-235	4.279E-04	0.4825	1.526E-06	0.0017	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.695E-06	0.0019
U-238	3.797E-04	0.4281	6.019E-06	0.0068	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.540E-06	0.0108
Total	8.096E-04	0.9128	3.738E-05	0.0421	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.000E-05	0.0451

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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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	6.053E-05	0.0682
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	4.311E-04	0.4861
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	3.953E-04	0.4457
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.869E-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+02 years

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
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	0.000E+00	0.000E+00	0.000E+00	0.000E+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	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	0.000E+00	0.000E+00

* 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+02 years

0

Radon	Radionuclides							
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+02 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	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	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

** 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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

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

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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

***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+03 years

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
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	0.000E+00	0.000E+00	0.000E+00	0.000E+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	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	0.000E+00	0.000E+00

* 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+03 years

0

Radon	Radionuclides							
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+03 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	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	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

** 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

0

Radon	Radionuclides							
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 Water Independent Pathways (Inhalation excludes radon)

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

0

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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

***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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate 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	2.454E+03	2.454E+03	5.793E-02	0.000E+00	0.000E+00
U-235	1.351E+02	1.351E+02	3.189E-03	0.000E+00	0.000E+00
U-238	5.779E+02	5.779E+02	1.364E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pa-231	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	0.000E+00	1.026E+03	1.038E+03	1.039E+03	1.039E+03	4.412E+02	7.705E+02	0.000E+00	0.000E+00
U-235	0.000E+00	5.647E+01	5.713E+01	5.721E+01	5.721E+01	2.429E+01	4.242E+01	0.000E+00	0.000E+00
U-238	0.000E+00	2.415E+02	2.444E+02	2.447E+02	2.447E+02	1.039E+02	1.814E+02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	4.257E-05	4.229E-05	9.983E-10	0.000E+00	0.000E+00
Pa-231	2.790E-03	2.771E-03	6.542E-08	0.000E+00	0.000E+00
Pb-210	4.847E-08	4.814E-08	1.137E-12	0.000E+00	0.000E+00
Ra-226	4.729E-06	4.697E-06	1.109E-10	0.000E+00	0.000E+00
Th-230	2.209E-02	2.194E-02	5.179E-07	0.000E+00	0.000E+00
U-234	2.453E+03	2.437E+03	5.753E-02	0.000E+00	0.000E+00
U-235	1.351E+02	1.342E+02	3.167E-03	0.000E+00	0.000E+00
U-238	5.777E+02	5.739E+02	1.355E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	2.183E-05	1.819E-05	2.751E-05	2.997E-05	1.422E-05	4.544E-07	0.000E+00	0.000E+00
Pa-231	0.000E+00	4.496E-03	4.627E-03	3.982E-03	4.217E-03	7.942E-03	1.051E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	1.060E-07	8.255E-08	1.264E-07	1.459E-07	2.921E-08	9.884E-09	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.906E-05	3.118E-05	2.145E-05	2.421E-05	3.587E-06	3.668E-06	0.000E+00	0.000E+00
Th-230	0.000E+00	3.896E-03	3.807E-03	4.278E-03	4.474E-03	1.282E-03	7.479E-05	0.000E+00	0.000E+00
U-234	0.000E+00	1.019E+03	1.030E+03	1.033E+03	1.033E+03	4.383E+02	7.652E+02	0.000E+00	0.000E+00
U-235	0.000E+00	5.609E+01	5.673E+01	5.688E+01	5.686E+01	2.413E+01	4.213E+01	0.000E+00	0.000E+00
U-238	0.000E+00	2.399E+02	2.427E+02	2.433E+02	2.432E+02	1.032E+02	1.802E+02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	3.364E-04	3.297E-04	7.782E-09	0.000E+00	0.000E+00
Pa-231	7.977E-03	7.818E-03	1.845E-07	0.000E+00	0.000E+00
Pb-210	1.251E-06	1.226E-06	2.894E-11	0.000E+00	0.000E+00
Ra-226	4.158E-05	4.075E-05	9.619E-10	0.000E+00	0.000E+00
Th-230	6.624E-02	6.491E-02	1.532E-06	0.000E+00	0.000E+00
U-234	2.452E+03	2.403E+03	5.672E-02	0.000E+00	0.000E+00
U-235	1.350E+02	1.323E+02	3.123E-03	0.000E+00	0.000E+00
U-238	5.774E+02	5.659E+02	1.336E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	1.502E-04	1.403E-04	1.733E-04	1.783E-04	4.433E-05	3.489E-06	0.000E+00	0.000E+00
Pa-231	0.000E+00	1.293E-02	1.307E-02	1.252E-02	1.273E-02	2.350E-02	2.543E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	2.283E-06	2.069E-06	2.634E-06	2.761E-06	6.685E-07	2.319E-07	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.652E-04	2.714E-04	2.420E-04	2.507E-04	3.619E-05	3.413E-05	0.000E+00	0.000E+00
Th-230	0.000E+00	1.111E-02	1.123E-02	1.173E-02	1.192E-02	3.481E-03	1.840E-04	0.000E+00	0.000E+00
U-234	0.000E+00	1.005E+03	1.016E+03	1.019E+03	1.018E+03	4.322E+02	7.545E+02	0.000E+00	0.000E+00
U-235	0.000E+00	5.530E+01	5.594E+01	5.609E+01	5.606E+01	2.379E+01	4.154E+01	0.000E+00	0.000E+00
U-238	0.000E+00	2.366E+02	2.393E+02	2.399E+02	2.398E+02	1.018E+02	1.777E+02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	2.443E-03	2.280E-03	5.382E-08	0.000E+00	0.000E+00
Pa-231	2.261E-02	2.111E-02	4.982E-07	0.000E+00	0.000E+00
Pb-210	3.973E-05	3.708E-05	8.753E-10	0.000E+00	0.000E+00
Ra-226	4.266E-04	3.982E-04	9.399E-09	0.000E+00	0.000E+00
Th-230	2.205E-01	2.058E-01	4.859E-06	0.000E+00	0.000E+00
U-234	2.447E+03	2.284E+03	5.392E-02	0.000E+00	0.000E+00
U-235	1.347E+02	1.257E+02	2.968E-03	0.000E+00	0.000E+00
U-238	5.763E+02	5.379E+02	1.270E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	9.896E-04	9.666E-04	1.075E-03	1.082E-03	1.363E-04	2.398E-05	0.000E+00	0.000E+00
Pa-231	0.000E+00	3.515E-02	3.530E-02	3.501E-02	3.514E-02	6.449E-02	6.471E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	6.427E-05	6.220E-05	6.870E-05	6.965E-05	1.895E-05	6.735E-06	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.637E-03	2.656E-03	2.573E-03	2.598E-03	3.723E-04	3.419E-04	0.000E+00	0.000E+00
Th-230	0.000E+00	3.478E-02	3.559E-02	3.618E-02	3.636E-02	1.069E-02	5.421E-04	0.000E+00	0.000E+00
U-234	0.000E+00	9.549E+02	9.658E+02	9.684E+02	9.680E+02	4.108E+02	7.171E+02	0.000E+00	0.000E+00
U-235	0.000E+00	5.257E+01	5.317E+01	5.331E+01	5.329E+01	2.262E+01	3.948E+01	0.000E+00	0.000E+00
U-238	0.000E+00	2.249E+02	2.274E+02	2.281E+02	2.280E+02	9.675E+01	1.689E+02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	8.124E-03	6.499E-03	1.534E-07	0.000E+00	0.000E+00
Pa-231	4.494E-02	3.595E-02	8.486E-07	0.000E+00	0.000E+00
Pb-210	7.114E-04	5.691E-04	1.343E-08	0.000E+00	0.000E+00
Ra-226	3.110E-03	2.488E-03	5.874E-08	0.000E+00	0.000E+00
Th-230	6.594E-01	5.275E-01	1.245E-05	0.000E+00	0.000E+00
U-234	2.433E+03	1.947E+03	4.595E-02	0.000E+00	0.000E+00
U-235	1.340E+02	1.072E+02	2.530E-03	0.000E+00	0.000E+00
U-238	5.731E+02	4.585E+02	1.082E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	2.785E-03	2.753E-03	2.969E-03	2.971E-03	2.610E-04	6.826E-05	0.000E+00	0.000E+00
Pa-231	0.000E+00	5.998E-02	6.014E-02	6.021E-02	6.023E-02	1.103E-01	1.084E-04	0.000E+00	0.000E+00
Pb-210	0.000E+00	9.652E-04	9.531E-04	9.994E-04	1.003E-03	2.846E-04	1.021E-04	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.656E-02	1.660E-02	1.647E-02	1.651E-02	2.361E-03	2.152E-03	0.000E+00	0.000E+00
Th-230	0.000E+00	8.880E-02	9.120E-02	9.200E-02	9.212E-02	2.714E-02	1.359E-03	0.000E+00	0.000E+00
U-234	0.000E+00	8.139E+02	8.231E+02	8.255E+02	8.252E+02	3.502E+02	6.112E+02	0.000E+00	0.000E+00
U-235	0.000E+00	4.481E+01	4.532E+01	4.545E+01	4.543E+01	1.928E+01	3.365E+01	0.000E+00	0.000E+00
U-238	0.000E+00	1.917E+02	1.939E+02	1.944E+02	1.943E+02	8.247E+01	1.440E+02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	1.192E-02	3.974E-03	9.382E-08	0.000E+00	0.000E+00
Pa-231	5.715E-02	1.905E-02	4.497E-07	0.000E+00	0.000E+00
Pb-210	8.416E-03	2.805E-03	6.622E-08	0.000E+00	0.000E+00
Ra-226	1.946E-02	6.486E-03	1.531E-07	0.000E+00	0.000E+00
Th-230	2.173E+00	7.243E-01	1.710E-05	0.000E+00	0.000E+00
U-234	2.386E+03	7.952E+02	1.877E-02	0.000E+00	0.000E+00
U-235	1.314E+02	4.379E+01	1.034E-03	0.000E+00	0.000E+00
U-238	5.619E+02	1.873E+02	4.422E-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+02 years*

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	0.000E+00	1.699E-03	1.683E-03	1.807E-03	1.806E-03	1.442E-04	4.173E-05	0.000E+00	0.000E+00
Pa-231	0.000E+00	3.182E-02	3.187E-02	3.204E-02	3.201E-02	5.858E-02	5.723E-05	0.000E+00	0.000E+00
Pb-210	0.000E+00	4.726E-03	4.696E-03	4.845E-03	4.844E-03	1.394E-03	5.012E-04	0.000E+00	0.000E+00
Ra-226	0.000E+00	4.326E-02	4.328E-02	4.334E-02	4.333E-02	6.192E-03	5.626E-03	0.000E+00	0.000E+00
Th-230	0.000E+00	1.218E-01	1.252E-01	1.262E-01	1.261E-01	3.716E-02	1.852E-03	0.000E+00	0.000E+00
U-234	0.000E+00	3.326E+02	3.363E+02	3.379E+02	3.376E+02	1.432E+02	2.497E+02	0.000E+00	0.000E+00
U-235	0.000E+00	1.832E+01	1.852E+01	1.861E+01	1.859E+01	7.883E+00	1.375E+01	0.000E+00	0.000E+00
U-238	0.000E+00	7.835E+01	7.921E+01	7.960E+01	7.952E+01	3.372E+01	5.882E+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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	1.141E-02	0.000E+00	0.000E+00	4.772E-03	9.655E-03
Pa-231	5.448E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Pb-210	3.715E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	7.071E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	6.307E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	2.255E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	1.242E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	5.313E+02	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	4.771E-03	1.645E-03	7.899E-03	8.586E-03	8.596E-03	1.641E-05	2.472E-05	1.447E-01	9.645E+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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Ac-227	9.377E-03	0.000E+00	0.000E+00	2.818E-01	5.703E-01
Pa-231	4.478E-02	0.000E+00	0.000E+00	1.126E-01	2.279E-01
Pb-210	1.247E-01	0.000E+00	0.000E+00	6.249E-03	1.265E-02
Ra-226	2.258E-01	0.000E+00	0.000E+00	8.992E-03	1.819E-02
Th-230	1.876E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-234	1.851E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-235	1.021E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
U-238	4.368E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Ac-227	2.818E-01	9.730E-02	4.666E-01	5.100E-01	5.100E-01	1.144E-03	1.463E-03	8.550E+00	5.699E+02
Pa-231	1.126E-01	3.901E-02	1.866E-01	2.043E-01	2.043E-01	9.763E-02	1.463E-04	2.279E+00	2.507E+01
Pb-210	6.250E-03	2.166E-03	1.036E-02	1.135E-02	1.136E-02	8.688E-04	4.875E-04	3.792E+00	1.266E+00
Ra-226	8.992E-03	3.145E-03	1.495E-02	1.632E-02	1.632E-02	1.559E-03	2.337E-03	9.097E-01	4.548E+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.

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Part V: Dose from Radionuclide at Point of Action

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

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	1.62E-05	8.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-05
Pa-231	1.50E-04	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04
Pb-210	4.40E-11	2.51E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-09
Ra-226	9.08E-06	1.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-06
Th-230	7.91E-06	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
U-234	5.86E-01	2.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E+01
U-235	5.88E+01	1.48E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E+01
U-238	4.23E+01	6.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E+01
Total	1.02E+02	3.63E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+02

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	1.07E-04	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04
Pa-231	4.40E-04	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
Pb-210	6.48E-10	3.67E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-08
Ra-226	6.28E-05	8.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-05
Th-230	2.37E-05	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
U-234	5.86E-01	2.86E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+01
U-235	5.87E+01	1.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E+01
U-238	4.22E+01	6.02E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E+01
Total	1.02E+02	3.61E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+02

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways								Water Dependent Pathways					
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	4.99E-04	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04
Pa-231	9.77E-04	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-03
Pb-210	7.23E-09	4.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-07
Ra-226	3.23E-04	4.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04
Th-230	5.53E-05	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-03
U-234	5.85E-01	2.82E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E+01
U-235	5.86E+01	1.45E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E+01
U-238	4.20E+01	5.94E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E+01
Total	1.01E+02	3.56E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+02

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways								Water Dependent Pathways					
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	2.90E-03	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-03
Pa-231	2.47E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-02
Pb-210	1.64E-07	8.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-06
Ra-226	2.63E-03	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
Th-230	1.65E-04	6.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-03
U-234	5.83E-01	2.68E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E+01
U-235	5.80E+01	1.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E+01
U-238	4.14E+01	5.64E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E+01
Total	1.00E+02	3.38E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E+02

0*Sum of all water independent and dependent pathways.

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

0 Water Independent Pathways Water Dependent Pathways

0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	8.79E-03	3.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-02
Pa-231	4.58E-03	4.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-02
Pb-210	2.63E-06	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04
Ra-226	1.70E-02	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-02
Th-230	4.72E-04	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-02
U-234	5.74E-01	2.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E+01
U-235	5.61E+01	1.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E+01
U-238	3.93E+01	4.81E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E+01
Total	9.60E+01	2.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+02

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways								Water Dependent Pathways					
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	8.81E-03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02
Pa-231	3.98E-03	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02
Pb-210	2.48E-05	5.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04
Ra-226	6.57E-02	4.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-02
Th-230	1.24E-03	2.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-02
U-234	4.77E-01	9.27E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E+01
U-235	3.98E+01	4.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E+01
U-238	2.61E+01	1.95E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E+01
Total	6.65E+01	1.17E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E+01

0*Sum of all water independent and dependent pathways.

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

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

0 Water Independent Pathways Water Dependent Pathways

0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ac-227	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pa-231	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb-210	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-234	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	RUNOFF	UNIFORM	.1	.8		
2	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
3	SHF1	BOUNDED LOGNORMAL-N	-1.3	.59	.044	1
4	INHALR	TRIANGULAR	4380	8400	13100	
5	SOIL	TRIANGULAR	0	18.3	36.5	
6	DCACTC(6)	LOGNORMAL-N	9.07	.53		
7	DCACTU1(6)	LOGNORMAL-N	8.1	.03		
8	DCACTU2(6)	LOGNORMAL-N	4.84	1		
9	DCACTS(6)	LOGNORMAL-N	4.84	1		
10	DCACTC(7)	LOGNORMAL-N	9.07	.53		
11	DCACTU1(7)	LOGNORMAL-N	8.1	.03		
12	DCACTU2(7)	LOGNORMAL-N	4.84	1		
13	DCACTS(7)	LOGNORMAL-N	4.84	1		
14	DCACTC(8)	LOGNORMAL-N	9.07	.53		
15	DCACTU1(8)	LOGNORMAL-N	8.1	.03		
16	DCACTU2(8)	LOGNORMAL-N	4.84	1		
17	DCACTS(8)	LOGNORMAL-N	4.84	1		
18	THICK0	TRIANGULAR	0	.075	.3	
19	DM	TRIANGULAR	0	.15	.6	
20	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
21	FIND	TRIANGULAR	.057	.171	.228	
22	FOTD	TRIANGULAR	0	.057	.114	

0 Monte Carlo Total Dose Summary

0Nuclide (j)	Peak Time	Peak Dose	t= 0.00E+00	1.00E+00	3.00E+00	DOSE(j,t), mrem/yr 1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
U-234										
Min	0.00E+00	1.61E-01	1.61E-01	1.47E-01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.46E+02	8.84E+00	8.84E+00	8.84E+00	8.84E+00	8.83E+00	8.82E+00	7.95E+00	0.00E+00	0.00E+00
Avg	2.30E+00	2.60E+00	2.60E+00	2.58E+00	2.55E+00	2.43E+00	2.08E+00	9.61E-01	0.00E+00	0.00E+00
Std	1.51E+01	1.68E+00	1.68E+00	1.68E+00	1.68E+00	1.69E+00	1.69E+00	1.40E+00	0.00E+00	0.00E+00
U-235										
Min	0.00E+00	2.02E+00	2.02E+00	1.89E+00	1.63E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.10E+01	2.10E+01	2.10E+01	2.10E+01	2.09E+01	2.07E+01	1.90E+01	0.00E+00	0.00E+00
Avg	0.00E+00	9.34E+00	9.34E+00	9.30E+00	9.23E+00	8.95E+00	8.02E+00	4.11E+00	0.00E+00	0.00E+00
Std	0.00E+00	3.27E+00	3.27E+00	3.28E+00	3.31E+00	3.43E+00	3.84E+00	4.41E+00	0.00E+00	0.00E+00
U-238										
Min	0.00E+00	1.59E+00	1.59E+00	1.50E+00	1.29E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.63E+01	1.63E+01	1.63E+01	1.62E+01	1.61E+01	1.57E+01	1.42E+01	0.00E+00	0.00E+00
Avg	0.00E+00	7.05E+00	7.05E+00	7.02E+00	6.96E+00	6.72E+00	5.96E+00	2.98E+00	0.00E+00	0.00E+00
Std	0.00E+00	2.56E+00	2.56E+00	2.57E+00	2.59E+00	2.67E+00	2.95E+00	3.22E+00	0.00E+00	0.00E+00
äALL										
Min	0.00E+00	4.34E+00	4.34E+00	4.00E+00	3.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	4.09E+01	4.09E+01	4.09E+01	4.08E+01	4.05E+01	4.01E+01	3.68E+01	0.00E+00	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.89E+01	1.87E+01	1.81E+01	1.61E+01	8.05E+00	0.00E+00	0.00E+00
Std	0.00E+00	6.66E+00	6.66E+00	6.69E+00	6.75E+00	7.01E+00	7.83E+00	8.70E+00	0.00E+00	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
				RISK(j,t)				
U-234								
Min	5.57E-07	5.05E-07	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.17E-05	3.17E-05	3.17E-05	3.17E-05	3.16E-05	3.16E-05	0.00E+00	0.00E+00
Avg	1.03E-05	1.02E-05	1.01E-05	9.65E-06	8.27E-06	3.93E-06	0.00E+00	0.00E+00
Std	6.83E-06	6.83E-06	6.83E-06	6.86E-06	6.83E-06	5.75E-06	0.00E+00	0.00E+00
U-235								
Min	2.20E-05	2.07E-05	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.24E-04	2.23E-04	2.23E-04	2.23E-04	2.20E-04	2.03E-04	0.00E+00	0.00E+00
Avg	9.93E-05	9.89E-05	9.82E-05	9.53E-05	8.55E-05	4.39E-05	0.00E+00	0.00E+00
Std	3.47E-05	3.49E-05	3.51E-05	3.64E-05	4.07E-05	4.70E-05	0.00E+00	0.00E+00
U-238								
Min	2.20E-05	2.08E-05	1.82E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.29E-04	2.29E-04	2.28E-04	2.27E-04	2.22E-04	1.99E-04	0.00E+00	0.00E+00
Avg	9.72E-05	9.67E-05	9.59E-05	9.27E-05	8.25E-05	4.15E-05	0.00E+00	0.00E+00
Std	3.55E-05	3.56E-05	3.59E-05	3.70E-05	4.06E-05	4.46E-05	0.00E+00	0.00E+00
äALL								
Min	4.73E-05	4.45E-05	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.67E-04	4.67E-04	4.66E-04	4.64E-04	4.55E-04	4.17E-04	0.00E+00	0.00E+00
Avg	2.07E-04	2.06E-04	2.04E-04	1.98E-04	1.76E-04	8.94E-05	0.00E+00	0.00E+00
Std	7.27E-05	7.30E-05	7.36E-05	7.62E-05	8.49E-05	9.57E-05	0.00E+00	0.00E+00

äALL is total risk summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Ground External

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							
U-234								
Min	2.88E-02	2.88E-02	2.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.03E-01	2.03E-01	2.03E-01	2.04E-01	2.10E-01	2.45E-01	0.00E+00	0.00E+00
Avg	9.65E-02	9.63E-02	9.58E-02	9.42E-02	8.87E-02	5.71E-02	0.00E+00	0.00E+00
Std	3.06E-02	3.07E-02	3.08E-02	3.19E-02	3.75E-02	5.78E-02	0.00E+00	0.00E+00
U-235								
Min	1.98E+00	1.85E+00	1.60E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.08E+01	2.08E+01	2.08E+01	2.07E+01	2.05E+01	1.89E+01	0.00E+00	0.00E+00
Avg	9.21E+00	9.17E+00	9.10E+00	8.83E+00	7.92E+00	4.06E+00	0.00E+00	0.00E+00
Std	3.24E+00	3.25E+00	3.28E+00	3.40E+00	3.80E+00	4.36E+00	0.00E+00	0.00E+00
U-238								
Min	1.42E+00	1.34E+00	1.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.55E+01	1.55E+01	1.55E+01	1.54E+01	1.51E+01	1.35E+01	0.00E+00	0.00E+00
Avg	6.51E+00	6.48E+00	6.42E+00	6.21E+00	5.52E+00	2.78E+00	0.00E+00	0.00E+00
Std	2.41E+00	2.42E+00	2.43E+00	2.51E+00	2.75E+00	3.01E+00	0.00E+00	0.00E+00
äALL								
Min	3.43E+00	3.23E+00	2.80E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.65E+01	3.65E+01	3.65E+01	3.63E+01	3.58E+01	3.26E+01	0.00E+00	0.00E+00
Avg	1.58E+01	1.57E+01	1.56E+01	1.51E+01	1.35E+01	6.90E+00	0.00E+00	0.00E+00
Std	5.67E+00	5.69E+00	5.73E+00	5.93E+00	6.58E+00	7.43E+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							
U-234								
Min	3.11E-02	2.92E-02	2.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.27E+00	6.27E+00	6.27E+00	6.27E+00	6.25E+00	3.76E+00	0.00E+00	0.00E+00
Avg	1.04E+00	1.03E+00	1.02E+00	9.71E-01	8.28E-01	3.75E-01	0.00E+00	0.00E+00
Std	8.31E-01	8.30E-01	8.29E-01	8.25E-01	8.09E-01	6.06E-01	0.00E+00	0.00E+00
U-235								
Min	1.60E-03	1.50E-03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.22E-01	3.22E-01	3.22E-01	3.22E-01	3.23E-01	1.99E-01	0.00E+00	0.00E+00
Avg	5.34E-02	5.30E-02	5.24E-02	5.00E-02	4.28E-02	1.96E-02	0.00E+00	0.00E+00
Std	4.26E-02	4.26E-02	4.26E-02	4.24E-02	4.19E-02	3.19E-02	0.00E+00	0.00E+00
U-238								
Min	6.55E-03	6.14E-03	5.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.32E+00	1.32E+00	1.32E+00	1.32E+00	1.31E+00	7.93E-01	0.00E+00	0.00E+00
Avg	2.19E-01	2.18E-01	2.15E-01	2.04E-01	1.74E-01	7.88E-02	0.00E+00	0.00E+00
Std	1.75E-01	1.75E-01	1.75E-01	1.74E-01	1.70E-01	1.27E-01	0.00E+00	0.00E+00
äALL								
Min	3.93E-02	3.68E-02	3.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.91E+00	7.91E+00	7.91E+00	7.91E+00	7.89E+00	4.75E+00	0.00E+00	0.00E+00
Avg	1.31E+00	1.30E+00	1.29E+00	1.23E+00	1.05E+00	4.74E-01	0.00E+00	0.00E+00
Std	1.05E+00	1.05E+00	1.05E+00	1.04E+00	1.02E+00	7.66E-01	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Radon (Water Ind.)

0Nuclide (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							
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Plant (Water Ind.)

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							
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Meat (Water Ind.)

0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Milk (Water Ind.)

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							
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Soil Ingestion

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
	DOSE(i,j,t), mrem/yr							
U-234								
Min	3.22E-02	3.18E-02	3.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.02E+00	5.01E+00	5.01E+00	5.00E+00	4.97E+00	4.42E+00	0.00E+00	0.00E+00
Avg	1.46E+00	1.45E+00	1.43E+00	1.37E+00	1.16E+00	5.28E-01	0.00E+00	0.00E+00
Std	1.10E+00	1.10E+00	1.10E+00	1.09E+00	1.06E+00	8.36E-01	0.00E+00	0.00E+00
U-235								
Min	1.67E-03	1.66E-03	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.61E-01	2.61E-01	2.61E-01	2.61E-01	2.61E-01	2.32E-01	0.00E+00	0.00E+00
Avg	7.59E-02	7.55E-02	7.46E-02	7.15E-02	6.16E-02	2.86E-02	0.00E+00	0.00E+00
Std	5.71E-02	5.71E-02	5.71E-02	5.72E-02	5.62E-02	4.53E-02	0.00E+00	0.00E+00
U-238								
Min	7.21E-03	7.13E-03	6.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.00E+00	0.00E+00	0.00E+00
Avg	3.27E-01	3.25E-01	3.21E-01	3.06E-01	2.60E-01	1.18E-01	0.00E+00	0.00E+00
Std	2.46E-01	2.46E-01	2.45E-01	2.44E-01	2.37E-01	1.87E-01	0.00E+00	0.00E+00
äALL								
Min	4.11E-02	4.06E-02	3.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.40E+00	6.40E+00	6.40E+00	6.38E+00	6.35E+00	5.65E+00	0.00E+00	0.00E+00
Avg	1.86E+00	1.85E+00	1.83E+00	1.74E+00	1.49E+00	6.75E-01	0.00E+00	0.00E+00
Std	1.40E+00	1.40E+00	1.40E+00	1.39E+00	1.35E+00	1.07E+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 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

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	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): 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

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Plant (Water Dep.)

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							
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Meat (Water Dep.)

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							
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): 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
U-234								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

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	6.65E+00	6.45E+00	6.04E+00	4.89E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	7.82E+00	7.75E+00	7.45E+00	6.71E+00	1.28E+00	0.00E+00	0.00E+00	0.00E+00
0.075	9.12E+00	8.90E+00	8.47E+00	7.83E+00	3.79E+00	0.00E+00	0.00E+00	0.00E+00
0.100	1.03E+01	1.02E+01	9.96E+00	8.90E+00	5.55E+00	0.00E+00	0.00E+00	0.00E+00
0.125	1.18E+01	1.17E+01	1.15E+01	1.03E+01	6.71E+00	0.00E+00	0.00E+00	0.00E+00
0.150	1.20E+01	1.19E+01	1.18E+01	1.10E+01	7.98E+00	0.00E+00	0.00E+00	0.00E+00
0.175	1.28E+01	1.27E+01	1.22E+01	1.14E+01	8.75E+00	0.00E+00	0.00E+00	0.00E+00
0.200	1.33E+01	1.32E+01	1.30E+01	1.20E+01	9.28E+00	0.00E+00	0.00E+00	0.00E+00
0.225	1.35E+01	1.34E+01	1.33E+01	1.25E+01	9.75E+00	0.00E+00	0.00E+00	0.00E+00
0.250	1.40E+01	1.39E+01	1.36E+01	1.29E+01	1.02E+01	0.00E+00	0.00E+00	0.00E+00
0.275	1.44E+01	1.42E+01	1.40E+01	1.32E+01	1.13E+01	0.00E+00	0.00E+00	0.00E+00
0.300	1.47E+01	1.47E+01	1.43E+01	1.35E+01	1.18E+01	0.00E+00	0.00E+00	0.00E+00
0.325	1.56E+01	1.55E+01	1.52E+01	1.47E+01	1.27E+01	0.00E+00	0.00E+00	0.00E+00
0.350	1.66E+01	1.65E+01	1.64E+01	1.57E+01	1.33E+01	0.00E+00	0.00E+00	0.00E+00
0.375	1.72E+01	1.72E+01	1.70E+01	1.64E+01	1.39E+01	0.00E+00	0.00E+00	0.00E+00
0.400	1.77E+01	1.76E+01	1.74E+01	1.67E+01	1.45E+01	0.00E+00	0.00E+00	0.00E+00
0.425	1.80E+01	1.79E+01	1.78E+01	1.71E+01	1.50E+01	1.77E+00	0.00E+00	0.00E+00
0.450	1.83E+01	1.82E+01	1.80E+01	1.76E+01	1.57E+01	3.48E+00	0.00E+00	0.00E+00
0.475	1.87E+01	1.87E+01	1.85E+01	1.78E+01	1.60E+01	4.60E+00	0.00E+00	0.00E+00
0.500	1.90E+01	1.90E+01	1.88E+01	1.84E+01	1.65E+01	5.78E+00	0.00E+00	0.00E+00
0.525	1.94E+01	1.93E+01	1.91E+01	1.87E+01	1.72E+01	6.52E+00	0.00E+00	0.00E+00
0.550	1.98E+01	1.97E+01	1.97E+01	1.92E+01	1.77E+01	7.51E+00	0.00E+00	0.00E+00
0.575	2.05E+01	2.04E+01	2.02E+01	1.98E+01	1.81E+01	8.92E+00	0.00E+00	0.00E+00
0.600	2.10E+01	2.09E+01	2.08E+01	2.01E+01	1.85E+01	9.82E+00	0.00E+00	0.00E+00
0.625	2.12E+01	2.12E+01	2.09E+01	2.06E+01	1.90E+01	1.08E+01	0.00E+00	0.00E+00
0.650	2.15E+01	2.14E+01	2.13E+01	2.08E+01	1.97E+01	1.22E+01	0.00E+00	0.00E+00
0.675	2.18E+01	2.18E+01	2.17E+01	2.11E+01	1.99E+01	1.28E+01	0.00E+00	0.00E+00
0.700	2.22E+01	2.22E+01	2.21E+01	2.19E+01	2.05E+01	1.38E+01	0.00E+00	0.00E+00
0.725	2.26E+01	2.26E+01	2.25E+01	2.23E+01	2.09E+01	1.41E+01	0.00E+00	0.00E+00
0.750	2.33E+01	2.33E+01	2.32E+01	2.28E+01	2.13E+01	1.48E+01	0.00E+00	0.00E+00
0.775	2.37E+01	2.37E+01	2.36E+01	2.32E+01	2.18E+01	1.52E+01	0.00E+00	0.00E+00
0.800	2.42E+01	2.42E+01	2.42E+01	2.40E+01	2.24E+01	1.59E+01	0.00E+00	0.00E+00
0.825	2.50E+01	2.49E+01	2.48E+01	2.44E+01	2.30E+01	1.71E+01	0.00E+00	0.00E+00
0.850	2.56E+01	2.56E+01	2.53E+01	2.48E+01	2.34E+01	1.79E+01	0.00E+00	0.00E+00
0.875	2.60E+01	2.60E+01	2.59E+01	2.55E+01	2.41E+01	1.92E+01	0.00E+00	0.00E+00
0.900	2.66E+01	2.66E+01	2.66E+01	2.63E+01	2.50E+01	2.06E+01	0.00E+00	0.00E+00
0.925	2.83E+01	2.82E+01	2.80E+01	2.73E+01	2.59E+01	2.21E+01	0.00E+00	0.00E+00
0.950	2.99E+01	2.99E+01	2.98E+01	2.94E+01	2.88E+01	2.41E+01	0.00E+00	0.00E+00
0.975	3.31E+01	3.30E+01	3.28E+01	3.21E+01	3.10E+01	2.72E+01	0.00E+00	0.00E+00
1.000	4.09E+01	4.09E+01	4.08E+01	4.05E+01	4.01E+01	3.68E+01	0.00E+00	0.00E+00

Summary of dose at graphical times, reptition 1
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.44E+00	4.09E+01	1.90E+01	1.88E+01	2.80E+01	2.99E+01	3.60E+01	4.09E+01
1.00E+00	4.15E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.99E+01	3.59E+01	4.09E+01
1.06E+00	4.13E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.99E+01	3.59E+01	4.09E+01
1.12E+00	4.11E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.99E+01	3.59E+01	4.09E+01
1.19E+00	4.09E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.98E+01	3.59E+01	4.09E+01
1.25E+00	4.07E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.98E+01	3.59E+01	4.09E+01
1.33E+00	4.05E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.98E+01	3.59E+01	4.09E+01
1.40E+00	4.03E+00	4.09E+01	1.89E+01	1.87E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
1.49E+00	4.00E+00	4.09E+01	1.88E+01	1.87E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
1.57E+00	3.98E+00	4.09E+01	1.88E+01	1.87E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
1.66E+00	3.95E+00	4.09E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
1.76E+00	3.92E+00	4.08E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
1.86E+00	3.89E+00	4.08E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
1.97E+00	3.86E+00	4.08E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
2.09E+00	3.82E+00	4.08E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.59E+01	4.08E+01
2.21E+00	3.79E+00	4.08E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.58E+01	4.08E+01
2.34E+00	3.75E+00	4.08E+01	1.88E+01	1.86E+01	2.79E+01	2.98E+01	3.58E+01	4.08E+01
2.47E+00	3.71E+00	4.08E+01	1.88E+01	1.85E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
2.62E+00	3.66E+00	4.08E+01	1.88E+01	1.85E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
2.77E+00	3.61E+00	4.08E+01	1.87E+01	1.85E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
2.93E+00	3.56E+00	4.08E+01	1.87E+01	1.85E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
3.00E+00	3.54E+00	4.08E+01	1.87E+01	1.85E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
3.10E+00	3.51E+00	4.08E+01	1.87E+01	1.85E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
3.28E+00	3.45E+00	4.08E+01	1.87E+01	1.84E+01	2.78E+01	2.98E+01	3.58E+01	4.08E+01
3.48E+00	3.39E+00	4.08E+01	1.87E+01	1.84E+01	2.78E+01	2.97E+01	3.58E+01	4.08E+01
3.68E+00	3.33E+00	4.08E+01	1.87E+01	1.84E+01	2.78E+01	2.97E+01	3.57E+01	4.08E+01
3.89E+00	3.26E+00	4.08E+01	1.86E+01	1.83E+01	2.78E+01	2.97E+01	3.57E+01	4.07E+01
4.12E+00	3.19E+00	4.07E+01	1.86E+01	1.83E+01	2.78E+01	2.97E+01	3.57E+01	4.07E+01
4.36E+00	3.11E+00	4.07E+01	1.86E+01	1.83E+01	2.77E+01	2.97E+01	3.57E+01	4.07E+01
4.61E+00	3.03E+00	4.07E+01	1.86E+01	1.82E+01	2.77E+01	2.97E+01	3.57E+01	4.07E+01
4.88E+00	2.94E+00	4.07E+01	1.86E+01	1.82E+01	2.77E+01	2.97E+01	3.57E+01	4.07E+01
5.17E+00	2.85E+00	4.07E+01	1.85E+01	1.82E+01	2.77E+01	2.97E+01	3.56E+01	4.07E+01
5.47E+00	2.74E+00	4.07E+01	1.85E+01	1.81E+01	2.77E+01	2.96E+01	3.56E+01	4.07E+01
5.78E+00	2.63E+00	4.07E+01	1.85E+01	1.81E+01	2.77E+01	2.96E+01	3.56E+01	4.07E+01
6.12E+00	2.52E+00	4.07E+01	1.84E+01	1.81E+01	2.76E+01	2.96E+01	3.56E+01	4.06E+01
6.48E+00	2.39E+00	4.06E+01	1.84E+01	1.80E+01	2.76E+01	2.96E+01	3.55E+01	4.06E+01
6.86E+00	2.25E+00	4.06E+01	1.84E+01	1.80E+01	2.76E+01	2.96E+01	3.55E+01	4.06E+01
7.26E+00	2.11E+00	4.06E+01	1.83E+01	1.80E+01	2.75E+01	2.96E+01	3.55E+01	4.06E+01
7.68E+00	1.95E+00	4.06E+01	1.83E+01	1.79E+01	2.75E+01	2.95E+01	3.54E+01	4.06E+01
8.13E+00	1.77E+00	4.06E+01	1.83E+01	1.79E+01	2.75E+01	2.95E+01	3.54E+01	4.06E+01
8.60E+00	1.58E+00	4.06E+01	1.82E+01	1.79E+01	2.74E+01	2.95E+01	3.54E+01	4.05E+01
9.10E+00	1.38E+00	4.05E+01	1.82E+01	1.78E+01	2.74E+01	2.95E+01	3.53E+01	4.05E+01
9.63E+00	1.15E+00	4.05E+01	1.81E+01	1.78E+01	2.73E+01	2.94E+01	3.53E+01	4.05E+01
1.00E+01	9.81E-01	4.05E+01	1.81E+01	1.78E+01	2.73E+01	2.94E+01	3.53E+01	4.05E+01
1.02E+01	8.93E-01	4.05E+01	1.81E+01	1.78E+01	2.73E+01	2.94E+01	3.52E+01	4.05E+01
1.08E+01	6.09E-01	4.05E+01	1.80E+01	1.77E+01	2.73E+01	2.94E+01	3.52E+01	4.04E+01

1.14E+01	2.89E-01	4.04E+01	1.80E+01	1.77E+01	2.73E+01	2.93E+01	3.51E+01	4.04E+01
1.21E+01	3.81E-02	4.04E+01	1.79E+01	1.76E+01	2.72E+01	2.93E+01	3.51E+01	4.04E+01
1.28E+01	0.00E+00	4.04E+01	1.78E+01	1.76E+01	2.72E+01	2.93E+01	3.50E+01	4.04E+01
1.35E+01	0.00E+00	4.03E+01	1.78E+01	1.76E+01	2.71E+01	2.92E+01	3.50E+01	4.03E+01
1.43E+01	0.00E+00	4.03E+01	1.77E+01	1.75E+01	2.71E+01	2.92E+01	3.49E+01	4.03E+01
1.51E+01	0.00E+00	4.03E+01	1.76E+01	1.74E+01	2.70E+01	2.91E+01	3.48E+01	4.02E+01
1.60E+01	0.00E+00	4.02E+01	1.75E+01	1.74E+01	2.69E+01	2.91E+01	3.47E+01	4.02E+01
1.70E+01	0.00E+00	4.02E+01	1.74E+01	1.73E+01	2.69E+01	2.90E+01	3.47E+01	4.02E+01
1.80E+01	0.00E+00	4.01E+01	1.73E+01	1.72E+01	2.68E+01	2.90E+01	3.46E+01	4.01E+01
1.90E+01	0.00E+00	4.01E+01	1.72E+01	1.71E+01	2.67E+01	2.89E+01	3.45E+01	4.01E+01
2.01E+01	0.00E+00	4.00E+01	1.71E+01	1.70E+01	2.66E+01	2.88E+01	3.43E+01	4.00E+01
2.13E+01	0.00E+00	4.00E+01	1.70E+01	1.69E+01	2.65E+01	2.87E+01	3.42E+01	4.00E+01
2.25E+01	0.00E+00	3.99E+01	1.69E+01	1.68E+01	2.64E+01	2.85E+01	3.40E+01	3.99E+01
2.38E+01	0.00E+00	3.99E+01	1.67E+01	1.67E+01	2.63E+01	2.84E+01	3.38E+01	3.98E+01
2.52E+01	0.00E+00	3.98E+01	1.66E+01	1.65E+01	2.62E+01	2.83E+01	3.36E+01	3.98E+01
2.67E+01	0.00E+00	3.97E+01	1.64E+01	1.64E+01	2.61E+01	2.81E+01	3.34E+01	3.97E+01
2.82E+01	0.00E+00	3.96E+01	1.62E+01	1.62E+01	2.60E+01	2.79E+01	3.32E+01	3.96E+01
2.99E+01	0.00E+00	3.96E+01	1.61E+01	1.61E+01	2.58E+01	2.78E+01	3.29E+01	3.95E+01
3.00E+01	0.00E+00	3.96E+01	1.61E+01	1.60E+01	2.58E+01	2.77E+01	3.29E+01	3.95E+01
3.16E+01	0.00E+00	3.95E+01	1.59E+01	1.59E+01	2.57E+01	2.76E+01	3.27E+01	3.94E+01
3.35E+01	0.00E+00	3.94E+01	1.57E+01	1.57E+01	2.55E+01	2.74E+01	3.26E+01	3.93E+01
3.54E+01	0.00E+00	3.93E+01	1.55E+01	1.55E+01	2.54E+01	2.71E+01	3.25E+01	3.92E+01
3.75E+01	0.00E+00	3.92E+01	1.52E+01	1.54E+01	2.52E+01	2.69E+01	3.24E+01	3.91E+01
3.97E+01	0.00E+00	3.90E+01	1.50E+01	1.52E+01	2.50E+01	2.67E+01	3.22E+01	3.90E+01
4.20E+01	0.00E+00	3.89E+01	1.47E+01	1.50E+01	2.48E+01	2.65E+01	3.21E+01	3.89E+01
4.44E+01	0.00E+00	3.88E+01	1.44E+01	1.48E+01	2.46E+01	2.63E+01	3.19E+01	3.87E+01
4.70E+01	0.00E+00	3.86E+01	1.41E+01	1.45E+01	2.44E+01	2.61E+01	3.17E+01	3.86E+01
4.97E+01	0.00E+00	3.84E+01	1.38E+01	1.43E+01	2.42E+01	2.59E+01	3.14E+01	3.84E+01
5.26E+01	0.00E+00	3.83E+01	1.35E+01	1.40E+01	2.38E+01	2.56E+01	3.11E+01	3.82E+01
5.57E+01	0.00E+00	3.81E+01	1.31E+01	1.36E+01	2.36E+01	2.54E+01	3.08E+01	3.80E+01
5.90E+01	0.00E+00	3.79E+01	1.27E+01	1.32E+01	2.35E+01	2.51E+01	3.04E+01	3.78E+01
6.24E+01	0.00E+00	3.76E+01	1.23E+01	1.26E+01	2.33E+01	2.48E+01	3.00E+01	3.76E+01
6.60E+01	0.00E+00	3.74E+01	1.19E+01	1.22E+01	2.31E+01	2.44E+01	2.96E+01	3.73E+01
6.99E+01	0.00E+00	3.71E+01	1.14E+01	1.17E+01	2.27E+01	2.41E+01	2.91E+01	3.70E+01
7.39E+01	0.00E+00	3.68E+01	1.10E+01	1.10E+01	2.22E+01	2.37E+01	2.86E+01	3.67E+01
7.82E+01	0.00E+00	3.64E+01	1.05E+01	1.04E+01	2.19E+01	2.32E+01	2.80E+01	3.63E+01
8.28E+01	0.00E+00	3.60E+01	9.97E+00	9.66E+00	2.18E+01	2.28E+01	2.73E+01	3.59E+01
8.76E+01	0.00E+00	3.56E+01	9.44E+00	9.00E+00	2.17E+01	2.27E+01	2.66E+01	3.55E+01
9.27E+01	0.00E+00	3.51E+01	8.89E+00	8.06E+00	2.14E+01	2.26E+01	2.58E+01	3.50E+01
9.81E+01	0.00E+00	3.45E+01	8.32E+00	6.58E+00	2.08E+01	2.24E+01	2.49E+01	3.44E+01
1.00E+02	0.00E+00	3.43E+01	8.12E+00	6.16E+00	2.06E+01	2.24E+01	2.48E+01	3.42E+01
1.04E+02	0.00E+00	3.39E+01	7.72E+00	5.37E+00	2.02E+01	2.23E+01	2.46E+01	3.38E+01
1.10E+02	0.00E+00	3.31E+01	7.13E+00	3.11E+00	1.95E+01	2.14E+01	2.43E+01	3.31E+01
1.16E+02	0.00E+00	3.23E+01	6.53E+00	3.53E-01	1.86E+01	2.12E+01	2.39E+01	3.22E+01
1.23E+02	0.00E+00	3.13E+01	5.90E+00	0.00E+00	1.77E+01	2.11E+01	2.35E+01	3.12E+01
1.30E+02	0.00E+00	3.02E+01	5.29E+00	0.00E+00	1.72E+01	2.09E+01	2.30E+01	3.01E+01
1.38E+02	0.00E+00	2.88E+01	4.68E+00	0.00E+00	1.65E+01	2.07E+01	2.24E+01	2.87E+01
1.46E+02	0.00E+00	2.72E+01	4.08E+00	0.00E+00	1.56E+01	2.04E+01	2.18E+01	2.71E+01
1.54E+02	0.00E+00	2.52E+01	3.54E+00	0.00E+00	1.46E+01	1.99E+01	2.10E+01	2.52E+01
1.63E+02	0.00E+00	2.28E+01	3.01E+00	0.00E+00	1.36E+01	1.93E+01	2.02E+01	2.28E+01
1.73E+02	0.00E+00	1.98E+01	2.50E+00	0.00E+00	1.23E+01	1.74E+01	1.92E+01	1.98E+01
1.83E+02	0.00E+00	1.82E+01	2.04E+00	0.00E+00	1.08E+01	1.61E+01	1.78E+01	1.82E+01

1.94E+02	0.00E+00	1.72E+01	1.61E+00	0.00E+00	8.93E+00	1.30E+01	1.62E+01	1.71E+01
2.05E+02	0.00E+00	1.59E+01	1.20E+00	0.00E+00	5.03E+00	1.09E+01	1.43E+01	1.59E+01
2.17E+02	0.00E+00	1.44E+01	8.27E-01	0.00E+00	3.09E-01	8.27E+00	1.24E+01	1.44E+01
2.29E+02	0.00E+00	1.25E+01	5.25E-01	0.00E+00	0.00E+00	5.88E+00	9.86E+00	1.25E+01
2.43E+02	0.00E+00	1.02E+01	2.94E-01	0.00E+00	0.00E+00	2.59E+00	6.34E+00	1.02E+01
2.57E+02	0.00E+00	7.15E+00	1.21E-01	0.00E+00	0.00E+00	0.00E+00	2.34E+00	7.13E+00
2.72E+02	0.00E+00	2.55E+00	2.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E+00
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.00E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
========	========	========	========	========	========	========	========	========

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	4.63E+00	4.05E+01	1.90E+01	1.93E+01	2.60E+01	3.23E+01	3.50E+01	4.05E+01
1.00E+00	4.47E+00	4.05E+01	1.90E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.06E+00	4.46E+00	4.05E+01	1.90E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.12E+00	4.45E+00	4.05E+01	1.90E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.19E+00	4.43E+00	4.05E+01	1.90E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.25E+00	4.42E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.33E+00	4.41E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.40E+00	4.40E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.49E+00	4.38E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.57E+00	4.37E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.66E+00	4.35E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.76E+00	4.34E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.86E+00	4.32E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.50E+01	4.04E+01
1.97E+00	4.30E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.49E+01	4.04E+01
2.09E+00	4.28E+00	4.05E+01	1.89E+01	1.92E+01	2.59E+01	3.23E+01	3.49E+01	4.04E+01
2.21E+00	4.26E+00	4.05E+01	1.89E+01	1.91E+01	2.59E+01	3.23E+01	3.49E+01	4.04E+01
2.34E+00	4.24E+00	4.05E+01	1.89E+01	1.91E+01	2.59E+01	3.23E+01	3.49E+01	4.04E+01
2.47E+00	4.22E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.23E+01	3.49E+01	4.04E+01
2.62E+00	4.19E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
2.77E+00	4.17E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
2.93E+00	4.14E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
3.00E+00	4.13E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
3.10E+00	4.11E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
3.28E+00	4.08E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
3.48E+00	4.05E+00	4.05E+01	1.88E+01	1.91E+01	2.59E+01	3.22E+01	3.49E+01	4.04E+01
3.68E+00	4.01E+00	4.05E+01	1.87E+01	1.91E+01	2.58E+01	3.22E+01	3.49E+01	4.04E+01
3.89E+00	3.97E+00	4.05E+01	1.87E+01	1.91E+01	2.58E+01	3.22E+01	3.49E+01	4.04E+01
4.12E+00	3.93E+00	4.05E+01	1.87E+01	1.90E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
4.36E+00	3.89E+00	4.05E+01	1.87E+01	1.90E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
4.61E+00	3.85E+00	4.04E+01	1.87E+01	1.90E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
4.88E+00	3.80E+00	4.04E+01	1.86E+01	1.90E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
5.17E+00	3.75E+00	4.04E+01	1.86E+01	1.90E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
5.47E+00	3.69E+00	4.04E+01	1.86E+01	1.90E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
5.78E+00	3.64E+00	4.04E+01	1.86E+01	1.89E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
6.12E+00	3.58E+00	4.04E+01	1.85E+01	1.89E+01	2.58E+01	3.22E+01	3.48E+01	4.04E+01
6.48E+00	3.51E+00	4.04E+01	1.85E+01	1.89E+01	2.58E+01	3.22E+01	3.47E+01	4.04E+01
6.86E+00	3.44E+00	4.04E+01	1.85E+01	1.88E+01	2.57E+01	3.22E+01	3.47E+01	4.04E+01
7.26E+00	3.37E+00	4.04E+01	1.84E+01	1.88E+01	2.57E+01	3.22E+01	3.47E+01	4.04E+01
7.68E+00	3.29E+00	4.04E+01	1.84E+01	1.88E+01	2.57E+01	3.21E+01	3.47E+01	4.04E+01
8.13E+00	3.20E+00	4.04E+01	1.84E+01	1.87E+01	2.57E+01	3.21E+01	3.47E+01	4.03E+01
8.60E+00	3.11E+00	4.04E+01	1.83E+01	1.86E+01	2.57E+01	3.21E+01	3.46E+01	4.03E+01
9.10E+00	3.01E+00	4.04E+01	1.83E+01	1.86E+01	2.57E+01	3.21E+01	3.46E+01	4.03E+01
9.63E+00	2.68E+00	4.04E+01	1.82E+01	1.85E+01	2.56E+01	3.21E+01	3.46E+01	4.03E+01
1.00E+01	2.36E+00	4.04E+01	1.82E+01	1.85E+01	2.56E+01	3.21E+01	3.46E+01	4.03E+01
1.02E+01	2.19E+00	4.04E+01	1.82E+01	1.84E+01	2.56E+01	3.21E+01	3.46E+01	4.03E+01
1.08E+01	1.63E+00	4.04E+01	1.81E+01	1.84E+01	2.56E+01	3.21E+01	3.45E+01	4.03E+01

1.14E+01	1.00E+00	4.04E+01	1.80E+01	1.84E+01	2.56E+01	3.21E+01	3.45E+01	4.03E+01
1.21E+01	3.15E-01	4.03E+01	1.80E+01	1.83E+01	2.56E+01	3.21E+01	3.45E+01	4.03E+01
1.28E+01	9.67E-04	4.03E+01	1.79E+01	1.82E+01	2.55E+01	3.20E+01	3.44E+01	4.03E+01
1.35E+01	0.00E+00	4.03E+01	1.78E+01	1.82E+01	2.55E+01	3.20E+01	3.44E+01	4.03E+01
1.43E+01	0.00E+00	4.03E+01	1.78E+01	1.80E+01	2.55E+01	3.20E+01	3.43E+01	4.03E+01
1.51E+01	0.00E+00	4.03E+01	1.77E+01	1.79E+01	2.54E+01	3.20E+01	3.43E+01	4.02E+01
1.60E+01	0.00E+00	4.03E+01	1.76E+01	1.78E+01	2.54E+01	3.20E+01	3.43E+01	4.02E+01
1.70E+01	0.00E+00	4.03E+01	1.75E+01	1.77E+01	2.54E+01	3.20E+01	3.42E+01	4.02E+01
1.80E+01	0.00E+00	4.03E+01	1.74E+01	1.76E+01	2.53E+01	3.19E+01	3.42E+01	4.02E+01
1.90E+01	0.00E+00	4.03E+01	1.73E+01	1.75E+01	2.53E+01	3.19E+01	3.41E+01	4.02E+01
2.01E+01	0.00E+00	4.02E+01	1.72E+01	1.74E+01	2.53E+01	3.18E+01	3.40E+01	4.02E+01
2.13E+01	0.00E+00	4.02E+01	1.71E+01	1.74E+01	2.52E+01	3.17E+01	3.40E+01	4.02E+01
2.25E+01	0.00E+00	4.02E+01	1.69E+01	1.73E+01	2.52E+01	3.16E+01	3.39E+01	4.01E+01
2.38E+01	0.00E+00	4.02E+01	1.68E+01	1.72E+01	2.51E+01	3.15E+01	3.38E+01	4.01E+01
2.52E+01	0.00E+00	4.02E+01	1.67E+01	1.71E+01	2.51E+01	3.13E+01	3.37E+01	4.01E+01
2.67E+01	0.00E+00	4.01E+01	1.65E+01	1.69E+01	2.50E+01	3.12E+01	3.37E+01	4.01E+01
2.82E+01	0.00E+00	4.01E+01	1.63E+01	1.67E+01	2.50E+01	3.11E+01	3.36E+01	4.00E+01
2.99E+01	0.00E+00	4.01E+01	1.62E+01	1.65E+01	2.49E+01	3.09E+01	3.35E+01	4.00E+01
3.00E+01	0.00E+00	4.01E+01	1.61E+01	1.65E+01	2.49E+01	3.09E+01	3.35E+01	4.00E+01
3.16E+01	0.00E+00	4.01E+01	1.60E+01	1.62E+01	2.48E+01	3.07E+01	3.34E+01	4.00E+01
3.35E+01	0.00E+00	4.00E+01	1.58E+01	1.60E+01	2.47E+01	3.06E+01	3.32E+01	4.00E+01
3.54E+01	0.00E+00	4.00E+01	1.56E+01	1.57E+01	2.47E+01	3.06E+01	3.31E+01	3.99E+01
3.75E+01	0.00E+00	3.99E+01	1.53E+01	1.54E+01	2.45E+01	3.05E+01	3.30E+01	3.99E+01
3.97E+01	0.00E+00	3.99E+01	1.51E+01	1.52E+01	2.43E+01	3.04E+01	3.28E+01	3.98E+01
4.20E+01	0.00E+00	3.99E+01	1.48E+01	1.50E+01	2.41E+01	3.03E+01	3.27E+01	3.98E+01
4.44E+01	0.00E+00	3.98E+01	1.45E+01	1.47E+01	2.38E+01	3.02E+01	3.25E+01	3.97E+01
4.70E+01	0.00E+00	3.98E+01	1.42E+01	1.43E+01	2.35E+01	3.01E+01	3.23E+01	3.97E+01
4.97E+01	0.00E+00	3.97E+01	1.39E+01	1.39E+01	2.32E+01	2.99E+01	3.21E+01	3.96E+01
5.26E+01	0.00E+00	3.96E+01	1.36E+01	1.35E+01	2.28E+01	2.98E+01	3.19E+01	3.96E+01
5.57E+01	0.00E+00	3.95E+01	1.32E+01	1.32E+01	2.24E+01	2.97E+01	3.16E+01	3.95E+01
5.90E+01	0.00E+00	3.94E+01	1.28E+01	1.29E+01	2.22E+01	2.95E+01	3.15E+01	3.93E+01
6.24E+01	0.00E+00	3.92E+01	1.24E+01	1.26E+01	2.20E+01	2.94E+01	3.13E+01	3.91E+01
6.60E+01	0.00E+00	3.90E+01	1.20E+01	1.20E+01	2.17E+01	2.92E+01	3.11E+01	3.89E+01
6.99E+01	0.00E+00	3.88E+01	1.15E+01	1.13E+01	2.15E+01	2.90E+01	3.09E+01	3.87E+01
7.39E+01	0.00E+00	3.85E+01	1.10E+01	1.05E+01	2.13E+01	2.86E+01	3.07E+01	3.84E+01
7.82E+01	0.00E+00	3.83E+01	1.05E+01	1.00E+01	2.10E+01	2.80E+01	3.05E+01	3.82E+01
8.28E+01	0.00E+00	3.80E+01	9.94E+00	9.38E+00	2.07E+01	2.76E+01	3.02E+01	3.79E+01
8.76E+01	0.00E+00	3.77E+01	9.39E+00	8.30E+00	2.04E+01	2.72E+01	2.99E+01	3.76E+01
9.27E+01	0.00E+00	3.73E+01	8.84E+00	7.35E+00	2.02E+01	2.68E+01	2.95E+01	3.73E+01
9.81E+01	0.00E+00	3.69E+01	8.30E+00	6.25E+00	2.00E+01	2.63E+01	2.91E+01	3.69E+01
1.00E+02	0.00E+00	3.68E+01	8.11E+00	5.84E+00	1.99E+01	2.61E+01	2.90E+01	3.67E+01
1.04E+02	0.00E+00	3.65E+01	7.74E+00	4.70E+00	1.92E+01	2.57E+01	2.86E+01	3.64E+01
1.10E+02	0.00E+00	3.60E+01	7.18E+00	2.59E+00	1.86E+01	2.51E+01	2.81E+01	3.60E+01
1.16E+02	0.00E+00	3.55E+01	6.60E+00	2.44E-01	1.80E+01	2.40E+01	2.75E+01	3.54E+01
1.23E+02	0.00E+00	3.49E+01	6.01E+00	0.00E+00	1.73E+01	2.27E+01	2.66E+01	3.48E+01
1.30E+02	0.00E+00	3.42E+01	5.39E+00	0.00E+00	1.63E+01	2.13E+01	2.55E+01	3.41E+01
1.38E+02	0.00E+00	3.34E+01	4.76E+00	0.00E+00	1.56E+01	2.02E+01	2.46E+01	3.33E+01
1.46E+02	0.00E+00	3.25E+01	4.17E+00	0.00E+00	1.45E+01	1.95E+01	2.35E+01	3.24E+01
1.54E+02	0.00E+00	3.14E+01	3.59E+00	0.00E+00	1.32E+01	1.83E+01	2.22E+01	3.13E+01
1.63E+02	0.00E+00	3.01E+01	3.06E+00	0.00E+00	1.21E+01	1.73E+01	2.07E+01	3.00E+01
1.73E+02	0.00E+00	2.85E+01	2.55E+00	0.00E+00	1.03E+01	1.60E+01	1.87E+01	2.84E+01
1.83E+02	0.00E+00	2.66E+01	2.05E+00	0.00E+00	9.51E+00	1.43E+01	1.64E+01	2.65E+01

1.94E+02	0.00E+00	2.42E+01	1.56E+00	0.00E+00	7.79E+00	1.23E+01	1.41E+01	2.41E+01
2.05E+02	0.00E+00	2.12E+01	1.12E+00	0.00E+00	5.25E+00	1.04E+01	1.17E+01	2.11E+01
2.17E+02	0.00E+00	1.74E+01	7.50E-01	0.00E+00	1.38E+00	7.73E+00	9.38E+00	1.73E+01
2.29E+02	0.00E+00	1.24E+01	4.64E-01	0.00E+00	0.00E+00	6.04E+00	7.22E+00	1.23E+01
2.43E+02	0.00E+00	5.63E+00	2.33E-01	0.00E+00	0.00E+00	3.79E+00	4.58E+00	5.62E+00
2.57E+02	0.00E+00	4.07E+00	6.65E-02	0.00E+00	0.00E+00	0.00E+00	1.23E+00	4.05E+00
2.72E+02	0.00E+00	1.74E+00	1.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+00
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.00E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
========	========	========	========	========	========	========	========	========

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	4.34E+00	3.69E+01	1.89E+01	1.90E+01	2.68E+01	2.95E+01	3.10E+01	3.69E+01
1.00E+00	4.00E+00	3.69E+01	1.89E+01	1.90E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.06E+00	3.98E+00	3.69E+01	1.89E+01	1.90E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.12E+00	3.96E+00	3.69E+01	1.89E+01	1.90E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.19E+00	3.94E+00	3.69E+01	1.88E+01	1.90E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.25E+00	3.91E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.33E+00	3.89E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.40E+00	3.86E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.49E+00	3.83E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.57E+00	3.80E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.66E+00	3.77E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.76E+00	3.73E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.10E+01	3.69E+01
1.86E+00	3.69E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.09E+01	3.69E+01
1.97E+00	3.65E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.09E+01	3.69E+01
2.09E+00	3.61E+00	3.69E+01	1.88E+01	1.89E+01	2.67E+01	2.94E+01	3.09E+01	3.69E+01
2.21E+00	3.57E+00	3.69E+01	1.88E+01	1.89E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
2.34E+00	3.52E+00	3.69E+01	1.87E+01	1.89E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
2.47E+00	3.47E+00	3.69E+01	1.87E+01	1.89E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
2.62E+00	3.41E+00	3.69E+01	1.87E+01	1.89E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
2.77E+00	3.35E+00	3.69E+01	1.87E+01	1.89E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
2.93E+00	3.29E+00	3.69E+01	1.87E+01	1.88E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
3.00E+00	3.26E+00	3.69E+01	1.87E+01	1.88E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
3.10E+00	3.22E+00	3.69E+01	1.87E+01	1.88E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
3.28E+00	3.15E+00	3.69E+01	1.87E+01	1.88E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
3.48E+00	3.08E+00	3.69E+01	1.86E+01	1.88E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
3.68E+00	2.99E+00	3.69E+01	1.86E+01	1.88E+01	2.66E+01	2.94E+01	3.09E+01	3.68E+01
3.89E+00	2.91E+00	3.69E+01	1.86E+01	1.88E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
4.12E+00	2.81E+00	3.69E+01	1.86E+01	1.88E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
4.36E+00	2.71E+00	3.69E+01	1.86E+01	1.88E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
4.61E+00	2.60E+00	3.69E+01	1.85E+01	1.87E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
4.88E+00	2.48E+00	3.68E+01	1.85E+01	1.87E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
5.17E+00	2.35E+00	3.68E+01	1.85E+01	1.87E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
5.47E+00	2.21E+00	3.68E+01	1.85E+01	1.87E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
5.78E+00	2.06E+00	3.68E+01	1.84E+01	1.87E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
6.12E+00	1.90E+00	3.68E+01	1.84E+01	1.87E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
6.48E+00	1.72E+00	3.68E+01	1.84E+01	1.86E+01	2.65E+01	2.93E+01	3.09E+01	3.68E+01
6.86E+00	1.52E+00	3.68E+01	1.83E+01	1.86E+01	2.65E+01	2.93E+01	3.08E+01	3.68E+01
7.26E+00	1.30E+00	3.68E+01	1.83E+01	1.86E+01	2.65E+01	2.93E+01	3.08E+01	3.67E+01
7.68E+00	1.06E+00	3.68E+01	1.83E+01	1.86E+01	2.64E+01	2.92E+01	3.08E+01	3.67E+01
8.13E+00	7.91E-01	3.68E+01	1.82E+01	1.85E+01	2.64E+01	2.92E+01	3.08E+01	3.67E+01
8.60E+00	4.90E-01	3.68E+01	1.82E+01	1.85E+01	2.64E+01	2.92E+01	3.08E+01	3.67E+01
9.10E+00	1.79E-01	3.68E+01	1.81E+01	1.85E+01	2.64E+01	2.92E+01	3.08E+01	3.67E+01
9.63E+00	1.18E-02	3.67E+01	1.81E+01	1.84E+01	2.64E+01	2.92E+01	3.08E+01	3.67E+01
1.00E+01	0.00E+00	3.67E+01	1.80E+01	1.84E+01	2.63E+01	2.92E+01	3.08E+01	3.67E+01
1.02E+01	0.00E+00	3.67E+01	1.80E+01	1.84E+01	2.63E+01	2.92E+01	3.08E+01	3.67E+01
1.08E+01	0.00E+00	3.67E+01	1.80E+01	1.84E+01	2.62E+01	2.92E+01	3.08E+01	3.67E+01

1.14E+01	0.00E+00	3.67E+01	1.79E+01	1.84E+01	2.62E+01	2.92E+01	3.07E+01	3.67E+01
1.21E+01	0.00E+00	3.67E+01	1.79E+01	1.83E+01	2.60E+01	2.92E+01	3.07E+01	3.66E+01
1.28E+01	0.00E+00	3.67E+01	1.78E+01	1.83E+01	2.58E+01	2.92E+01	3.07E+01	3.66E+01
1.35E+01	0.00E+00	3.67E+01	1.77E+01	1.83E+01	2.57E+01	2.91E+01	3.07E+01	3.66E+01
1.43E+01	0.00E+00	3.66E+01	1.76E+01	1.82E+01	2.57E+01	2.91E+01	3.07E+01	3.66E+01
1.51E+01	0.00E+00	3.66E+01	1.76E+01	1.81E+01	2.56E+01	2.91E+01	3.07E+01	3.66E+01
1.60E+01	0.00E+00	3.66E+01	1.75E+01	1.80E+01	2.56E+01	2.91E+01	3.06E+01	3.65E+01
1.70E+01	0.00E+00	3.66E+01	1.74E+01	1.79E+01	2.56E+01	2.90E+01	3.06E+01	3.65E+01
1.80E+01	0.00E+00	3.65E+01	1.73E+01	1.79E+01	2.56E+01	2.90E+01	3.06E+01	3.65E+01
1.90E+01	0.00E+00	3.65E+01	1.72E+01	1.78E+01	2.56E+01	2.90E+01	3.06E+01	3.65E+01
2.01E+01	0.00E+00	3.65E+01	1.71E+01	1.77E+01	2.56E+01	2.89E+01	3.05E+01	3.64E+01
2.13E+01	0.00E+00	3.65E+01	1.70E+01	1.76E+01	2.56E+01	2.89E+01	3.05E+01	3.64E+01
2.25E+01	0.00E+00	3.64E+01	1.68E+01	1.75E+01	2.55E+01	2.88E+01	3.05E+01	3.64E+01
2.38E+01	0.00E+00	3.64E+01	1.67E+01	1.74E+01	2.55E+01	2.88E+01	3.05E+01	3.63E+01
2.52E+01	0.00E+00	3.64E+01	1.65E+01	1.73E+01	2.55E+01	2.87E+01	3.04E+01	3.63E+01
2.67E+01	0.00E+00	3.63E+01	1.64E+01	1.71E+01	2.53E+01	2.87E+01	3.04E+01	3.63E+01
2.82E+01	0.00E+00	3.63E+01	1.62E+01	1.70E+01	2.51E+01	2.86E+01	3.03E+01	3.62E+01
2.99E+01	0.00E+00	3.62E+01	1.60E+01	1.69E+01	2.48E+01	2.86E+01	3.03E+01	3.62E+01
3.00E+01	0.00E+00	3.62E+01	1.60E+01	1.69E+01	2.48E+01	2.86E+01	3.03E+01	3.62E+01
3.16E+01	0.00E+00	3.62E+01	1.58E+01	1.67E+01	2.47E+01	2.85E+01	3.03E+01	3.61E+01
3.35E+01	0.00E+00	3.61E+01	1.56E+01	1.65E+01	2.47E+01	2.84E+01	3.02E+01	3.61E+01
3.54E+01	0.00E+00	3.61E+01	1.54E+01	1.62E+01	2.47E+01	2.83E+01	3.02E+01	3.60E+01
3.75E+01	0.00E+00	3.60E+01	1.51E+01	1.60E+01	2.46E+01	2.83E+01	3.01E+01	3.59E+01
3.97E+01	0.00E+00	3.59E+01	1.49E+01	1.57E+01	2.46E+01	2.82E+01	3.00E+01	3.59E+01
4.20E+01	0.00E+00	3.58E+01	1.46E+01	1.53E+01	2.46E+01	2.81E+01	3.00E+01	3.58E+01
4.44E+01	0.00E+00	3.57E+01	1.43E+01	1.51E+01	2.45E+01	2.80E+01	2.99E+01	3.57E+01
4.70E+01	0.00E+00	3.56E+01	1.40E+01	1.46E+01	2.45E+01	2.79E+01	2.98E+01	3.56E+01
4.97E+01	0.00E+00	3.55E+01	1.36E+01	1.40E+01	2.44E+01	2.78E+01	2.97E+01	3.55E+01
5.26E+01	0.00E+00	3.54E+01	1.33E+01	1.35E+01	2.44E+01	2.76E+01	2.96E+01	3.54E+01
5.57E+01	0.00E+00	3.53E+01	1.29E+01	1.30E+01	2.44E+01	2.74E+01	2.95E+01	3.52E+01
5.90E+01	0.00E+00	3.51E+01	1.25E+01	1.25E+01	2.43E+01	2.71E+01	2.94E+01	3.51E+01
6.24E+01	0.00E+00	3.50E+01	1.20E+01	1.22E+01	2.43E+01	2.67E+01	2.93E+01	3.49E+01
6.60E+01	0.00E+00	3.48E+01	1.16E+01	1.19E+01	2.41E+01	2.63E+01	2.92E+01	3.47E+01
6.99E+01	0.00E+00	3.46E+01	1.11E+01	1.14E+01	2.38E+01	2.62E+01	2.90E+01	3.45E+01
7.39E+01	0.00E+00	3.43E+01	1.06E+01	1.06E+01	2.36E+01	2.61E+01	2.89E+01	3.43E+01
7.82E+01	0.00E+00	3.41E+01	1.02E+01	9.85E+00	2.32E+01	2.60E+01	2.87E+01	3.40E+01
8.28E+01	0.00E+00	3.38E+01	9.66E+00	8.91E+00	2.30E+01	2.59E+01	2.85E+01	3.37E+01
8.76E+01	0.00E+00	3.34E+01	9.15E+00	7.28E+00	2.28E+01	2.57E+01	2.83E+01	3.34E+01
9.27E+01	0.00E+00	3.30E+01	8.63E+00	6.77E+00	2.24E+01	2.53E+01	2.80E+01	3.30E+01
9.81E+01	0.00E+00	3.26E+01	8.09E+00	5.89E+00	2.22E+01	2.49E+01	2.77E+01	3.25E+01
1.00E+02	0.00E+00	3.24E+01	7.91E+00	5.40E+00	2.20E+01	2.48E+01	2.76E+01	3.23E+01
1.04E+02	0.00E+00	3.17E+01	7.54E+00	4.43E+00	2.17E+01	2.47E+01	2.74E+01	3.17E+01
1.10E+02	0.00E+00	3.06E+01	7.00E+00	2.75E+00	2.12E+01	2.46E+01	2.70E+01	3.06E+01
1.16E+02	0.00E+00	2.93E+01	6.45E+00	7.56E-02	2.07E+01	2.45E+01	2.66E+01	2.93E+01
1.23E+02	0.00E+00	2.79E+01	5.91E+00	0.00E+00	2.02E+01	2.43E+01	2.61E+01	2.79E+01
1.30E+02	0.00E+00	2.63E+01	5.38E+00	0.00E+00	1.96E+01	2.41E+01	2.55E+01	2.63E+01
1.38E+02	0.00E+00	2.48E+01	4.86E+00	0.00E+00	1.90E+01	2.37E+01	2.46E+01	2.48E+01
1.46E+02	0.00E+00	2.40E+01	4.32E+00	0.00E+00	1.84E+01	2.21E+01	2.38E+01	2.40E+01
1.54E+02	0.00E+00	2.32E+01	3.82E+00	0.00E+00	1.77E+01	2.04E+01	2.30E+01	2.32E+01
1.63E+02	0.00E+00	2.26E+01	3.31E+00	0.00E+00	1.65E+01	1.98E+01	2.19E+01	2.26E+01
1.73E+02	0.00E+00	2.19E+01	2.81E+00	0.00E+00	1.44E+01	1.87E+01	2.07E+01	2.19E+01
1.83E+02	0.00E+00	2.11E+01	2.28E+00	0.00E+00	1.19E+01	1.57E+01	1.94E+01	2.11E+01

1.94E+02	0.00E+00	2.01E+01	1.77E+00	0.00E+00	8.83E+00	1.45E+01	1.83E+01	2.01E+01
2.05E+02	0.00E+00	1.89E+01	1.33E+00	0.00E+00	7.08E+00	1.28E+01	1.69E+01	1.89E+01
2.17E+02	0.00E+00	1.74E+01	9.19E-01	0.00E+00	1.94E+00	8.89E+00	1.52E+01	1.74E+01
2.29E+02	0.00E+00	1.56E+01	5.89E-01	0.00E+00	0.00E+00	4.72E+00	1.29E+01	1.56E+01
2.43E+02	0.00E+00	1.33E+01	3.68E-01	0.00E+00	0.00E+00	1.39E+00	9.75E+00	1.33E+01
2.57E+02	0.00E+00	1.02E+01	2.05E-01	0.00E+00	0.00E+00	0.00E+00	5.02E+00	1.02E+01
2.72E+02	0.00E+00	5.99E+00	6.99E-02	0.00E+00	0.00E+00	0.00E+00	4.71E-01	5.94E+00
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.00E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
========	========	========	========	========	========	========	========	========

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	1.897E+01
2	0.000E+00	1.905E+01
3	0.000E+00	1.894E+01

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	19	0.08	21	0.02	20	0.01	22	0.00
Wind Speed	21	-0.03	22	-0.01	17	0.04	18	0.01
External gamma shielding factor	1	0.91	1	0.69	2	0.88	2	0.59
Inhalation rate	13	-0.13	19	-0.04	18	-0.03	19	-0.01
Soil ingestion	4	0.32	12	0.10	4	0.25	15	0.08
Kd of U-234 in Contaminated Zone	7	0.21	7	0.18	6	-0.15	5	-0.28
Kd of U-234 in Unsaturated Zone 1	6	-0.21	3	-0.38	13	-0.09	7	-0.18
Kd of U-234 in Unsaturated Zone 2	15	-0.12	14	-0.09	22	0.00	21	0.00
Kd of U-234 in Saturated Zone	11	-0.16	8	-0.13	14	0.09	10	0.16
Kd of U-235 in Contaminated Zone	16	-0.12	15	-0.08	5	0.22	4	0.29
Kd of U-235 in Unsaturated Zone 1	5	0.26	4	0.31	8	0.13	8	0.18
Kd of U-235 in Unsaturated Zone 2	9	0.18	13	0.10	16	0.05	16	0.05
Kd of U-235 in Saturated Zone	17	0.12	17	0.06	12	-0.09	13	-0.12
Kd of U-238 in Contaminated Zone	10	-0.17	11	-0.10	7	0.14	9	0.18
Kd of U-238 in Unsaturated Zone 1	8	0.20	5	0.25	10	0.10	11	0.14
Kd of U-238 in Unsaturated Zone 2	14	0.13	16	0.06	21	0.01	20	0.01
Kd of U-238 in Saturated Zone	12	0.14	10	0.10	11	-0.10	12	-0.13
Thickness of contaminated zone	2	0.88	2	0.56	1	0.90	1	0.66
Depth of soil mixing layer	3	-0.38	9	-0.12	3	-0.51	6	-0.19
Mass loading for inhalation	18	0.09	20	0.03	9	0.11	17	0.04
Indoor time fraction	22	-0.02	18	-0.06	19	0.02	14	0.11
Outdoor time fraction	20	0.07	6	0.20	15	0.07	3	0.39
R-SQUARE		0.92		0.92		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 of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.13	18	0.05	8	0.19	15	0.07
Wind Speed	9	-0.20	15	-0.07	7	-0.20	16	-0.07
External gamma shielding factor	1	0.88	1	0.60	2	0.85	2	0.54
Inhalation rate	10	0.16	17	0.05	6	0.28	10	0.10
Soil ingestion	3	0.39	9	0.14	4	0.51	5	0.19
Kd of U-234 in Contaminated Zone	7	0.23	3	0.39	17	-0.04	11	-0.09
Kd of U-234 in Unsaturated Zone 1	17	0.07	7	0.21	14	-0.05	12	-0.09
Kd of U-234 in Unsaturated Zone 2	15	0.09	16	0.07	21	-0.01	21	-0.02
Kd of U-234 in Saturated Zone	21	0.03	21	0.03	11	-0.06	7	-0.12
Kd of U-235 in Contaminated Zone	6	-0.23	5	-0.28	16	0.04	17	0.06
Kd of U-235 in Unsaturated Zone 1	18	-0.06	12	-0.13	9	0.09	9	0.11
Kd of U-235 in Unsaturated Zone 2	11	-0.15	13	-0.08	22	0.00	22	0.00
Kd of U-235 in Saturated Zone	20	0.03	22	0.02	19	0.03	20	0.04
Kd of U-238 in Contaminated Zone	8	-0.21	6	-0.23	18	0.03	19	0.05
Kd of U-238 in Unsaturated Zone 1	16	-0.07	8	-0.15	15	0.04	18	0.05
Kd of U-238 in Unsaturated Zone 2	13	-0.12	14	-0.07	12	-0.05	14	-0.08
Kd of U-238 in Saturated Zone	19	-0.05	19	-0.04	10	0.09	8	0.11
Thickness of contaminated zone	2	0.85	2	0.54	1	0.87	1	0.59
Depth of soil mixing layer	5	-0.36	11	-0.13	3	-0.52	4	-0.20
Mass loading for inhalation	4	0.38	10	0.14	5	0.34	6	0.12
Indoor time fraction	14	-0.10	4	-0.31	13	-0.05	3	-0.29
Outdoor time fraction	22	0.01	20	0.03	20	0.01	13	0.08
R-SQUARE		0.90		0.90		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	11	0.11	18	0.03	12	0.07	21	0.02
Wind Speed	9	-0.14	15	-0.04	8	-0.12	19	-0.04
External gamma shielding factor	1	0.90	2	0.64	1	0.87	3	0.63
Inhalation rate	6	0.26	13	0.08	6	0.17	15	0.06
Soil ingestion	3	0.47	7	0.17	4	0.35	7	0.13
Kd of U-234 in Contaminated Zone	16	0.07	12	0.09	19	0.04	14	0.06
Kd of U-234 in Unsaturated Zone 1	14	-0.10	5	-0.24	14	-0.05	8	-0.13
Kd of U-234 in Unsaturated Zone 2	10	-0.12	14	-0.06	18	-0.04	13	-0.07
Kd of U-234 in Saturated Zone	20	0.04	17	0.04	17	0.05	10	0.09
Kd of U-235 in Contaminated Zone	19	-0.05	16	-0.04	15	-0.05	17	-0.06
Kd of U-235 in Unsaturated Zone 1	12	0.10	6	0.17	13	0.06	9	0.09
Kd of U-235 in Unsaturated Zone 2	18	-0.05	20	-0.02	16	0.05	16	0.06
Kd of U-235 in Saturated Zone	21	-0.02	21	-0.02	11	-0.07	11	-0.09
Kd of U-238 in Contaminated Zone	13	-0.10	11	-0.09	22	0.01	22	0.01
Kd of U-238 in Unsaturated Zone 1	15	0.09	9	0.15	10	0.09	6	0.13
Kd of U-238 in Unsaturated Zone 2	17	0.06	19	0.03	21	0.02	20	0.03
Kd of U-238 in Saturated Zone	22	-0.02	22	-0.01	20	-0.04	18	-0.05
Thickness of contaminated zone	2	0.89	3	0.58	2	0.85	4	0.58
Depth of soil mixing layer	4	-0.45	8	-0.16	3	-0.47	5	-0.20
Mass loading for inhalation	5	0.37	10	0.12	5	0.20	12	0.07
Indoor time fraction	8	0.14	4	0.40	9	0.09	2	0.63
Outdoor time fraction	7	0.24	1	0.68	7	0.13	1	0.88
R-SQUARE		0.91		0.91		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	19	0.08	21	0.02	20	0.01	21	0.00
Wind Speed	21	-0.03	22	-0.01	17	0.04	18	0.01
External gamma shielding factor	1	0.91	1	0.69	2	0.88	2	0.59
Inhalation rate	13	-0.13	19	-0.04	18	-0.03	19	-0.01
Soil ingestion	4	0.32	12	0.10	4	0.25	15	0.08
Kd of U-234 in Contaminated Zone	7	0.21	7	0.18	6	-0.14	5	-0.28
Kd of U-234 in Unsaturated Zone 1	6	-0.21	3	-0.38	12	-0.09	7	-0.19
Kd of U-234 in Unsaturated Zone 2	15	-0.12	14	-0.09	22	0.00	22	0.00
Kd of U-234 in Saturated Zone	11	-0.16	8	-0.13	14	0.08	10	0.16
Kd of U-235 in Contaminated Zone	16	-0.12	15	-0.08	5	0.22	4	0.28
Kd of U-235 in Unsaturated Zone 1	5	0.26	4	0.31	8	0.13	8	0.18
Kd of U-235 in Unsaturated Zone 2	9	0.18	13	0.10	16	0.05	16	0.05
Kd of U-235 in Saturated Zone	17	0.12	17	0.06	13	-0.09	13	-0.11
Kd of U-238 in Contaminated Zone	10	-0.17	11	-0.10	7	0.14	9	0.18
Kd of U-238 in Unsaturated Zone 1	8	0.20	5	0.25	10	0.10	11	0.14
Kd of U-238 in Unsaturated Zone 2	14	0.13	16	0.06	21	0.01	20	0.01
Kd of U-238 in Saturated Zone	12	0.14	10	0.10	11	-0.10	12	-0.13
Thickness of contaminated zone	2	0.88	2	0.56	1	0.90	1	0.66
Depth of soil mixing layer	3	-0.38	9	-0.12	3	-0.52	6	-0.19
Mass loading for inhalation	18	0.09	20	0.03	9	0.11	17	0.04
Indoor time fraction	22	-0.02	18	-0.06	19	0.02	14	0.11
Outdoor time fraction	20	0.07	6	0.20	15	0.07	3	0.39
R-SQUARE		0.92		0.92		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 All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.13	18	0.05	8	0.19	15	0.07
Wind Speed	9	-0.20	15	-0.07	7	-0.20	16	-0.07
External gamma shielding factor	1	0.88	1	0.60	2	0.85	2	0.54
Inhalation rate	10	0.16	17	0.05	6	0.28	10	0.10
Soil ingestion	3	0.39	9	0.14	4	0.51	5	0.19
Kd of U-234 in Contaminated Zone	7	0.23	3	0.39	17	-0.04	11	-0.09
Kd of U-234 in Unsaturated Zone 1	17	0.07	7	0.21	14	-0.05	12	-0.09
Kd of U-234 in Unsaturated Zone 2	15	0.09	16	0.07	21	-0.01	21	-0.02
Kd of U-234 in Saturated Zone	21	0.03	21	0.03	11	-0.07	7	-0.12
Kd of U-235 in Contaminated Zone	6	-0.23	5	-0.28	16	0.04	17	0.06
Kd of U-235 in Unsaturated Zone 1	18	-0.06	12	-0.13	9	0.09	9	0.11
Kd of U-235 in Unsaturated Zone 2	11	-0.15	13	-0.08	22	0.00	22	0.00
Kd of U-235 in Saturated Zone	20	0.03	22	0.02	19	0.03	20	0.04
Kd of U-238 in Contaminated Zone	8	-0.21	6	-0.23	18	0.03	19	0.05
Kd of U-238 in Unsaturated Zone 1	16	-0.07	8	-0.15	15	0.04	18	0.05
Kd of U-238 in Unsaturated Zone 2	13	-0.12	14	-0.07	12	-0.05	13	-0.08
Kd of U-238 in Saturated Zone	19	-0.05	19	-0.04	10	0.09	8	0.11
Thickness of contaminated zone	2	0.85	2	0.54	1	0.87	1	0.59
Depth of soil mixing layer	5	-0.36	11	-0.13	3	-0.52	4	-0.20
Mass loading for inhalation	4	0.38	10	0.14	5	0.33	6	0.12
Indoor time fraction	14	-0.10	4	-0.31	13	-0.05	3	-0.30
Outdoor time fraction	22	0.01	20	0.03	20	0.01	14	0.07
R-SQUARE		0.90		0.90		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	11	0.11	18	0.03	12	0.07	21	0.02
Wind Speed	9	-0.14	15	-0.04	8	-0.11	19	-0.04
External gamma shielding factor	1	0.90	2	0.64	1	0.87	2	0.63
Inhalation rate	6	0.26	13	0.08	6	0.17	16	0.06
Soil ingestion	3	0.47	7	0.17	4	0.35	7	0.13
Kd of U-234 in Contaminated Zone	16	0.07	12	0.09	18	0.04	14	0.07
Kd of U-234 in Unsaturated Zone 1	14	-0.10	5	-0.24	14	-0.05	8	-0.13
Kd of U-234 in Unsaturated Zone 2	10	-0.12	14	-0.06	19	-0.04	13	-0.07
Kd of U-234 in Saturated Zone	20	0.04	17	0.04	17	0.05	10	0.09
Kd of U-235 in Contaminated Zone	19	-0.05	16	-0.04	15	-0.05	15	-0.06
Kd of U-235 in Unsaturated Zone 1	12	0.10	6	0.17	13	0.06	9	0.10
Kd of U-235 in Unsaturated Zone 2	18	-0.05	20	-0.02	16	0.05	17	0.06
Kd of U-235 in Saturated Zone	21	-0.02	21	-0.02	11	-0.07	11	-0.09
Kd of U-238 in Contaminated Zone	13	-0.10	11	-0.10	22	0.00	22	0.01
Kd of U-238 in Unsaturated Zone 1	15	0.09	9	0.15	10	0.09	6	0.14
Kd of U-238 in Unsaturated Zone 2	17	0.06	19	0.03	21	0.02	20	0.03
Kd of U-238 in Saturated Zone	22	-0.02	22	-0.01	20	-0.03	18	-0.05
Thickness of contaminated zone	2	0.89	3	0.58	2	0.85	4	0.58
Depth of soil mixing layer	4	-0.45	8	-0.16	3	-0.48	5	-0.20
Mass loading for inhalation	5	0.37	10	0.12	5	0.20	12	0.07
Indoor time fraction	8	0.14	4	0.40	9	0.09	3	0.62
Outdoor time fraction	7	0.24	1	0.68	7	0.12	1	0.88
R-SQUARE		0.91		0.91		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	19	0.03	20	0.01	13	-0.09	17	-0.03
Wind Speed	20	0.02	21	0.01	19	0.06	20	0.02
External gamma shielding factor	1	0.93	1	0.78	1	0.90	1	0.68
Inhalation rate	7	-0.15	12	-0.05	15	-0.08	18	-0.03
Soil ingestion	18	-0.03	19	-0.01	21	-0.01	21	0.00
Kd of U-234 in Contaminated Zone	9	0.12	8	0.11	4	-0.14	4	-0.28
Kd of U-234 in Unsaturated Zone 1	4	-0.21	3	-0.37	16	-0.07	12	-0.15
Kd of U-234 in Unsaturated Zone 2	21	-0.01	18	-0.01	10	-0.10	9	-0.17
Kd of U-234 in Saturated Zone	6	-0.16	7	-0.13	8	0.12	6	0.25
Kd of U-235 in Contaminated Zone	16	-0.06	14	-0.04	3	0.20	5	0.28
Kd of U-235 in Unsaturated Zone 1	3	0.24	5	0.29	11	0.10	13	0.14
Kd of U-235 in Unsaturated Zone 2	14	0.08	13	0.04	5	0.14	11	0.16
Kd of U-235 in Saturated Zone	11	0.11	11	0.06	7	-0.12	10	-0.17
Kd of U-238 in Contaminated Zone	12	-0.10	10	-0.06	14	0.09	14	0.12
Kd of U-238 in Unsaturated Zone 1	5	0.19	6	0.24	17	0.07	16	0.10
Kd of U-238 in Unsaturated Zone 2	17	0.03	17	0.02	12	0.10	15	0.11
Kd of U-238 in Saturated Zone	8	0.14	9	0.10	6	-0.13	8	-0.19
Thickness of contaminated zone	2	0.83	2	0.45	2	0.84	3	0.53
Depth of soil mixing layer	13	0.09	15	0.03	18	-0.06	19	-0.02
Mass loading for inhalation	15	-0.07	16	-0.02	22	0.00	22	0.00
Indoor time fraction	22	0.00	22	0.00	20	0.04	7	0.23
Outdoor time fraction	10	0.11	4	0.32	9	0.10	2	0.59
R-SQUARE		0.92		0.92		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	8	0.12	10	0.04	4	0.22	12	0.08
Wind Speed	6	-0.16	7	-0.06	3	-0.24	11	-0.08
External gamma shielding factor	1	0.91	1	0.71	1	0.88	1	0.63
Inhalation rate	15	0.05	21	0.02	19	0.01	22	0.00
Soil ingestion	9	0.12	12	0.04	5	0.21	13	0.07
Kd of U-234 in Contaminated Zone	5	0.19	3	0.32	17	-0.02	15	-0.04
Kd of U-234 in Unsaturated Zone 1	21	-0.01	17	-0.03	7	-0.18	4	-0.35
Kd of U-234 in Unsaturated Zone 2	16	0.05	14	0.04	15	0.05	8	0.12
Kd of U-234 in Saturated Zone	18	-0.02	19	-0.02	16	0.02	16	0.03
Kd of U-235 in Contaminated Zone	3	-0.19	5	-0.24	21	0.00	20	0.01
Kd of U-235 in Unsaturated Zone 1	20	0.02	16	0.03	6	0.20	5	0.25
Kd of U-235 in Unsaturated Zone 2	11	-0.10	9	-0.05	11	-0.07	9	-0.11
Kd of U-235 in Saturated Zone	13	0.06	13	0.04	13	-0.07	10	-0.08
Kd of U-238 in Contaminated Zone	4	-0.19	6	-0.21	20	-0.01	19	-0.01
Kd of U-238 in Unsaturated Zone 1	22	-0.01	22	-0.01	8	0.15	6	0.20
Kd of U-238 in Unsaturated Zone 2	14	-0.05	15	-0.03	10	-0.10	7	-0.14
Kd of U-238 in Saturated Zone	17	0.02	20	0.02	18	0.01	18	0.02
Thickness of contaminated zone	2	0.78	2	0.43	2	0.81	2	0.48
Depth of soil mixing layer	7	0.12	11	0.04	14	-0.07	17	-0.02
Mass loading for inhalation	12	0.07	18	0.02	9	0.11	14	0.04
Indoor time fraction	10	-0.10	4	-0.32	12	-0.07	3	-0.42
Outdoor time fraction	19	0.02	8	0.06	22	0.00	21	0.01
R-SQUARE		0.90		0.90		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	10	0.08	19	0.03	8	0.12	13	0.05
Wind Speed	14	-0.08	20	-0.02	15	-0.03	18	-0.01
External gamma shielding factor	1	0.92	1	0.74	1	0.88	3	0.70
Inhalation rate	16	0.07	21	0.02	9	0.10	14	0.04
Soil ingestion	4	0.13	15	0.04	14	0.04	17	0.02
Kd of U-234 in Contaminated Zone	21	0.05	10	0.07	16	0.03	12	0.05
Kd of U-234 in Unsaturated Zone 1	9	-0.08	5	-0.21	10	0.07	8	0.19
Kd of U-234 in Unsaturated Zone 2	6	-0.12	9	-0.07	22	0.00	20	-0.01
Kd of U-234 in Saturated Zone	18	0.06	11	0.06	6	0.16	5	0.33
Kd of U-235 in Contaminated Zone	20	-0.06	13	-0.05	12	-0.06	11	-0.07
Kd of U-235 in Unsaturated Zone 1	12	0.08	7	0.14	11	-0.06	9	-0.11
Kd of U-235 in Unsaturated Zone 2	22	-0.04	22	-0.02	21	0.01	19	0.01
Kd of U-235 in Saturated Zone	17	-0.06	12	-0.05	3	-0.18	7	-0.24
Kd of U-238 in Contaminated Zone	13	-0.08	8	-0.08	18	-0.02	16	-0.02
Kd of U-238 in Unsaturated Zone 1	11	0.08	6	0.14	13	-0.05	10	-0.08
Kd of U-238 in Unsaturated Zone 2	19	0.06	18	0.03	17	-0.03	15	-0.04
Kd of U-238 in Saturated Zone	15	-0.08	14	-0.04	5	-0.17	6	-0.24
Thickness of contaminated zone	2	0.84	3	0.48	2	0.79	4	0.48
Depth of soil mixing layer	7	0.10	17	0.03	20	-0.01	22	0.00
Mass loading for inhalation	5	0.13	16	0.04	19	-0.01	21	0.00
Indoor time fraction	8	0.10	4	0.28	7	0.13	2	0.98
Outdoor time fraction	3	0.22	2	0.63	4	0.17	1	1.31
R-SQUARE		0.91		0.91		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 Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	17	0.08	22	0.03	20	-0.03	22	-0.01
Wind Speed	5	-0.31	10	-0.12	5	-0.20	15	-0.06
External gamma shielding factor	9	0.17	17	0.07	17	0.04	21	0.01
Inhalation rate	4	0.43	6	0.18	4	0.50	5	0.17
Soil ingestion	6	-0.26	14	-0.10	8	0.10	19	0.03
Kd of U-234 in Contaminated Zone	13	0.14	9	0.16	22	-0.01	20	-0.02
Kd of U-234 in Unsaturated Zone 1	20	-0.03	16	-0.07	14	-0.05	13	-0.09
Kd of U-234 in Unsaturated Zone 2	7	-0.22	4	-0.20	7	0.11	6	0.17
Kd of U-234 in Saturated Zone	12	-0.15	8	-0.16	12	-0.07	8	-0.13
Kd of U-235 in Contaminated Zone	16	-0.08	19	-0.07	15	0.04	16	0.05
Kd of U-235 in Unsaturated Zone 1	19	0.05	15	0.08	13	0.07	12	0.09
Kd of U-235 in Unsaturated Zone 2	10	0.17	11	0.12	6	-0.17	7	-0.17
Kd of U-235 in Saturated Zone	11	0.16	12	0.11	11	0.08	10	0.09
Kd of U-238 in Contaminated Zone	14	-0.13	13	-0.11	18	0.04	17	0.05
Kd of U-238 in Unsaturated Zone 1	21	0.03	21	0.04	9	0.10	9	0.12
Kd of U-238 in Unsaturated Zone 2	15	0.11	18	0.07	10	-0.09	11	-0.09
Kd of U-238 in Saturated Zone	8	0.18	7	0.16	19	0.03	18	0.04
Thickness of contaminated zone	1	0.84	1	0.59	1	0.91	1	0.65
Depth of soil mixing layer	3	-0.72	3	-0.39	2	-0.85	2	-0.47
Mass loading for inhalation	2	0.78	2	0.45	3	0.80	3	0.42
Indoor time fraction	18	-0.05	5	-0.19	21	0.01	14	0.06
Outdoor time fraction	22	-0.02	20	-0.06	16	0.04	4	0.21
R-SQUARE		0.87		0.87		0.92		0.92

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	7	0.14	18	0.06	10	0.11	16	0.03
Wind Speed	5	-0.20	16	-0.08	5	-0.36	12	-0.11
External gamma shielding factor	17	-0.09	21	-0.03	21	0.00	22	0.00
Inhalation rate	4	0.54	8	0.25	4	0.68	6	0.28
Soil ingestion	14	-0.10	20	-0.04	14	0.06	20	0.02
Kd of U-234 in Contaminated Zone	13	0.12	9	0.23	9	0.12	7	0.24
Kd of U-234 in Unsaturated Zone 1	8	0.14	2	0.53	19	0.01	19	0.02
Kd of U-234 in Unsaturated Zone 2	16	0.09	17	0.08	7	-0.20	4	-0.40
Kd of U-234 in Saturated Zone	20	0.05	19	0.06	15	0.05	14	0.08
Kd of U-235 in Contaminated Zone	15	-0.10	10	-0.13	12	-0.10	10	-0.14
Kd of U-235 in Unsaturated Zone 1	11	-0.14	6	-0.34	22	0.00	21	0.00
Kd of U-235 in Unsaturated Zone 2	10	-0.14	15	-0.09	6	0.23	5	0.31
Kd of U-235 in Saturated Zone	22	-0.02	22	-0.02	16	-0.04	15	-0.04
Kd of U-238 in Contaminated Zone	18	-0.08	14	-0.10	11	-0.10	9	-0.14
Kd of U-238 in Unsaturated Zone 1	9	-0.14	5	-0.34	18	-0.02	17	-0.03
Kd of U-238 in Unsaturated Zone 2	6	-0.15	13	-0.11	8	0.16	8	0.21
Kd of U-238 in Saturated Zone	12	-0.13	12	-0.12	13	-0.08	13	-0.08
Thickness of contaminated zone	2	0.72	3	0.39	1	0.89	1	0.58
Depth of soil mixing layer	3	-0.70	4	-0.39	2	-0.87	2	-0.55
Mass loading for inhalation	1	0.86	1	0.64	3	0.83	3	0.45
Indoor time fraction	19	-0.07	7	-0.25	20	0.00	18	-0.03
Outdoor time fraction	21	-0.03	11	-0.12	17	0.02	11	0.13
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 Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.12	16	0.04	21	-0.02	21	-0.01
Wind Speed	5	-0.32	10	-0.13	5	-0.45	12	-0.15
External gamma shielding factor	21	-0.01	21	0.00	16	-0.06	20	-0.02
Inhalation rate	4	0.66	9	0.34	4	0.66	9	0.28
Soil ingestion	10	0.13	15	0.05	22	-0.01	22	0.00
Kd of U-234 in Contaminated Zone	17	0.05	12	0.08	10	-0.16	10	-0.24
Kd of U-234 in Unsaturated Zone 1	8	-0.21	1	-0.66	7	-0.34	2	-0.72
Kd of U-234 in Unsaturated Zone 2	19	0.04	19	0.03	18	0.04	17	0.07
Kd of U-234 in Saturated Zone	16	0.05	14	0.06	17	-0.05	16	-0.08
Kd of U-235 in Contaminated Zone	22	0.00	22	0.00	9	0.17	11	0.17
Kd of U-235 in Unsaturated Zone 1	6	0.23	3	0.49	6	0.37	6	0.53
Kd of U-235 in Unsaturated Zone 2	15	-0.07	17	-0.03	20	-0.04	19	-0.04
Kd of U-235 in Saturated Zone	20	-0.02	20	-0.02	19	-0.04	18	-0.04
Kd of U-238 in Contaminated Zone	13	-0.10	11	-0.11	13	0.11	13	0.11
Kd of U-238 in Unsaturated Zone 1	7	0.22	5	0.47	8	0.33	8	0.45
Kd of U-238 in Unsaturated Zone 2	18	-0.05	18	-0.03	14	-0.09	15	-0.10
Kd of U-238 in Saturated Zone	14	0.09	13	0.06	15	0.09	14	0.10
Thickness of contaminated zone	2	0.77	8	0.45	1	0.88	4	0.55
Depth of soil mixing layer	3	-0.76	6	-0.47	2	-0.87	5	-0.54
Mass loading for inhalation	1	0.82	2	0.53	3	0.85	7	0.48
Indoor time fraction	11	0.13	7	0.46	12	0.12	3	0.70
Outdoor time fraction	9	0.14	4	0.48	11	0.13	1	0.79
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 Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	14	0.17	18	0.05	17	0.07	20	0.02
Wind Speed	19	0.05	19	0.01	18	0.07	19	0.02
External gamma shielding factor	9	0.25	16	0.09	19	0.06	21	0.02
Inhalation rate	4	-0.35	15	-0.12	4	-0.21	15	-0.07
Soil ingestion	1	0.87	1	0.57	2	0.84	2	0.50
Kd of U-234 in Contaminated Zone	7	0.32	4	0.32	14	-0.08	10	-0.16
Kd of U-234 in Unsaturated Zone 1	16	-0.13	6	-0.26	8	0.15	6	0.31
Kd of U-234 in Unsaturated Zone 2	8	-0.30	8	-0.24	21	0.02	18	0.03
Kd of U-234 in Saturated Zone	20	0.02	20	0.01	11	-0.10	9	-0.19
Kd of U-235 in Contaminated Zone	12	-0.23	13	-0.16	9	0.11	11	0.14
Kd of U-235 in Unsaturated Zone 1	13	0.20	5	0.26	16	-0.07	14	-0.10
Kd of U-235 in Unsaturated Zone 2	5	0.32	10	0.20	20	-0.05	17	-0.05
Kd of U-235 in Saturated Zone	22	0.00	22	0.00	7	0.15	8	0.19
Kd of U-238 in Contaminated Zone	11	-0.24	12	-0.17	10	0.10	12	0.13
Kd of U-238 in Unsaturated Zone 1	15	0.15	9	0.21	5	-0.16	7	-0.22
Kd of U-238 in Unsaturated Zone 2	6	0.32	11	0.19	22	0.01	22	0.01
Kd of U-238 in Saturated Zone	21	-0.01	21	-0.01	13	0.09	13	0.12
Thickness of contaminated zone	2	0.82	2	0.48	1	0.89	1	0.62
Depth of soil mixing layer	3	-0.79	3	-0.43	3	-0.82	4	-0.46
Mass loading for inhalation	10	-0.25	17	-0.08	6	-0.16	16	-0.05
Indoor time fraction	18	-0.05	14	-0.16	15	-0.08	5	-0.40
Outdoor time fraction	17	-0.08	7	-0.25	12	-0.09	3	-0.49
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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	18	-0.03	20	-0.01	11	0.12	17	0.04
Wind Speed	16	-0.06	18	-0.02	13	0.09	21	0.03
External gamma shielding factor	21	-0.02	22	-0.01	10	-0.14	15	-0.04
Inhalation rate	17	-0.04	19	-0.01	4	0.22	13	0.07
Soil ingestion	1	0.82	2	0.56	1	0.90	3	0.59
Kd of U-234 in Contaminated Zone	7	0.18	7	0.35	12	0.09	8	0.19
Kd of U-234 in Unsaturated Zone 1	6	0.18	1	0.67	7	0.17	6	0.29
Kd of U-234 in Unsaturated Zone 2	13	0.13	13	0.11	22	0.02	19	0.03
Kd of U-234 in Saturated Zone	12	0.14	10	0.16	21	0.02	20	0.03
Kd of U-235 in Contaminated Zone	8	-0.17	8	-0.24	15	-0.06	11	-0.08
Kd of U-235 in Unsaturated Zone 1	5	-0.19	5	-0.48	9	-0.15	9	-0.16
Kd of U-235 in Unsaturated Zone 2	10	-0.16	14	-0.10	17	0.05	14	0.06
Kd of U-235 in Saturated Zone	15	-0.07	16	-0.05	19	-0.03	18	-0.03
Kd of U-238 in Contaminated Zone	14	-0.12	11	-0.14	14	-0.06	10	-0.08
Kd of U-238 in Unsaturated Zone 1	9	-0.16	6	-0.39	8	-0.17	7	-0.20
Kd of U-238 in Unsaturated Zone 2	11	-0.16	12	-0.11	16	-0.06	12	-0.08
Kd of U-238 in Saturated Zone	4	-0.20	9	-0.19	18	-0.04	16	-0.04
Thickness of contaminated zone	2	0.79	3	0.50	2	0.88	4	0.54
Depth of soil mixing layer	3	-0.78	4	-0.49	3	-0.87	5	-0.52
Mass loading for inhalation	19	0.02	21	0.01	20	-0.02	22	-0.01
Indoor time fraction	20	0.02	15	0.07	5	-0.20	1	-1.07
Outdoor time fraction	22	0.01	17	0.05	6	-0.20	2	-1.06
R-SQUARE		0.87		0.87		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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	16	0.05	17	0.02	21	0.00	22	0.00
Wind Speed	19	-0.02	19	-0.01	20	0.01	20	0.00
External gamma shielding factor	21	0.01	22	0.00	14	0.11	17	0.03
Inhalation rate	4	0.15	13	0.06	17	-0.07	19	-0.02
Soil ingestion	1	0.83	1	0.56	1	0.89	1	0.57
Kd of U-234 in Contaminated Zone	15	0.05	12	0.08	7	-0.21	8	-0.30
Kd of U-234 in Unsaturated Zone 1	11	0.07	6	0.23	12	-0.17	7	-0.32
Kd of U-234 in Unsaturated Zone 2	13	-0.06	15	-0.04	6	0.22	6	0.34
Kd of U-234 in Saturated Zone	8	-0.10	9	-0.12	19	-0.02	18	-0.03
Kd of U-235 in Contaminated Zone	22	0.01	20	0.01	8	0.20	13	0.19
Kd of U-235 in Unsaturated Zone 1	14	-0.06	10	-0.12	11	0.17	11	0.22
Kd of U-235 in Unsaturated Zone 2	20	0.01	21	0.01	9	-0.20	12	-0.20
Kd of U-235 in Saturated Zone	5	0.14	8	0.13	22	0.00	21	0.00
Kd of U-238 in Contaminated Zone	17	-0.04	14	-0.05	4	0.25	10	0.25
Kd of U-238 in Unsaturated Zone 1	9	-0.09	7	-0.19	13	0.15	14	0.18
Kd of U-238 in Unsaturated Zone 2	12	0.07	16	0.04	5	-0.24	9	-0.26
Kd of U-238 in Saturated Zone	6	0.12	11	0.09	18	0.05	15	0.06
Thickness of contaminated zone	3	0.80	3	0.49	2	0.88	3	0.53
Depth of soil mixing layer	2	-0.81	2	-0.54	3	-0.88	2	-0.53
Mass loading for inhalation	18	0.03	18	0.01	10	0.18	16	0.05
Indoor time fraction	7	0.12	4	0.40	15	0.09	4	0.50
Outdoor time fraction	10	0.09	5	0.31	16	0.08	5	0.46
R-SQUARE		0.87		0.87		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 Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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
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
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
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak U-234 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	13	0.16	19	0.05	19	0.04	21	0.01
Wind Speed	14	-0.14	21	-0.05	13	-0.09	20	-0.03
External gamma shielding factor	7	0.30	16	0.11	8	0.15	18	0.04
Inhalation rate	22	-0.01	22	0.00	12	0.10	19	0.03
Soil ingestion	3	0.72	3	0.35	3	0.74	5	0.31
Kd of U-234 in Contaminated Zone	8	0.29	4	0.30	21	-0.04	16	-0.07
Kd of U-234 in Unsaturated Zone 1	16	-0.11	7	-0.22	18	0.06	12	0.11
Kd of U-234 in Unsaturated Zone 2	5	-0.31	5	-0.26	10	0.10	10	0.15
Kd of U-234 in Saturated Zone	19	-0.07	18	-0.07	7	-0.15	6	-0.26
Kd of U-235 in Contaminated Zone	11	-0.20	15	-0.14	16	0.08	14	0.09
Kd of U-235 in Unsaturated Zone 1	12	0.17	6	0.22	22	0.01	22	0.01
Kd of U-235 in Unsaturated Zone 2	6	0.30	10	0.19	9	-0.13	11	-0.13
Kd of U-235 in Saturated Zone	18	0.09	20	0.05	5	0.18	7	0.21
Kd of U-238 in Contaminated Zone	10	-0.23	12	-0.17	17	0.06	15	0.08
Kd of U-238 in Unsaturated Zone 1	15	0.12	11	0.17	20	-0.04	17	-0.05
Kd of U-238 in Unsaturated Zone 2	9	0.27	13	0.16	11	-0.10	13	-0.10
Kd of U-238 in Saturated Zone	17	0.09	17	0.07	6	0.15	8	0.18
Thickness of contaminated zone	1	0.87	1	0.61	1	0.93	1	0.71
Depth of soil mixing layer	2	-0.82	2	-0.48	2	-0.87	2	-0.50
Mass loading for inhalation	4	0.42	14	0.15	4	0.48	9	0.16
Indoor time fraction	20	-0.06	8	-0.19	14	-0.09	3	-0.41
Outdoor time fraction	21	-0.06	9	-0.19	15	-0.08	4	-0.38
R-SQUARE		0.90		0.90		0.92		0.92

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

Coefficients for peak U-234 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	18	0.07	21	0.03	11	0.14	17	0.04
Wind Speed	14	-0.15	18	-0.06	17	-0.10	19	-0.03
External gamma shielding factor	21	-0.02	22	-0.01	22	0.00	22	0.00
Inhalation rate	5	0.32	14	0.12	5	0.50	14	0.17
Soil ingestion	4	0.66	8	0.33	3	0.78	5	0.37
Kd of U-234 in Contaminated Zone	12	0.18	7	0.34	10	0.15	6	0.31
Kd of U-234 in Unsaturated Zone 1	8	0.20	1	0.70	7	0.16	7	0.27
Kd of U-234 in Unsaturated Zone 2	15	0.14	15	0.11	12	-0.13	8	-0.26
Kd of U-234 in Saturated Zone	17	0.12	12	0.13	21	0.00	21	0.00
Kd of U-235 in Contaminated Zone	13	-0.17	9	-0.22	14	-0.12	15	-0.16
Kd of U-235 in Unsaturated Zone 1	6	-0.20	4	-0.48	9	-0.16	13	-0.17
Kd of U-235 in Unsaturated Zone 2	11	-0.18	16	-0.11	6	0.18	9	0.25
Kd of U-235 in Saturated Zone	19	-0.05	19	-0.04	20	0.02	20	0.03
Kd of U-238 in Contaminated Zone	16	-0.12	11	-0.15	13	-0.13	12	-0.18
Kd of U-238 in Unsaturated Zone 1	10	-0.18	5	-0.43	8	-0.16	11	-0.19
Kd of U-238 in Unsaturated Zone 2	9	-0.19	13	-0.13	18	0.08	16	0.11
Kd of U-238 in Saturated Zone	7	-0.20	10	-0.18	19	-0.04	18	-0.04
Thickness of contaminated zone	1	0.82	2	0.53	1	0.90	2	0.61
Depth of soil mixing layer	2	-0.81	3	-0.51	2	-0.88	3	-0.58
Mass loading for inhalation	3	0.69	6	0.35	4	0.57	10	0.21
Indoor time fraction	20	-0.03	17	-0.09	15	-0.11	1	-0.61
Outdoor time fraction	22	-0.01	20	-0.03	16	-0.10	4	-0.54
R-SQUARE		0.88		0.88		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-234 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	10	0.09	17	0.03	18	-0.08	20	-0.02
Wind Speed	6	-0.19	15	-0.07	8	-0.27	17	-0.08
External gamma shielding factor	17	0.05	18	0.02	20	0.07	21	0.02
Inhalation rate	5	0.49	7	0.20	5	0.38	15	0.12
Soil ingestion	3	0.74	5	0.39	3	0.79	7	0.36
Kd of U-234 in Contaminated Zone	14	0.06	11	0.09	11	-0.24	8	-0.34
Kd of U-234 in Unsaturated Zone 1	15	-0.06	8	-0.17	7	-0.29	5	-0.54
Kd of U-234 in Unsaturated Zone 2	20	-0.03	19	-0.02	14	0.11	14	0.16
Kd of U-234 in Saturated Zone	18	-0.04	16	-0.05	22	0.00	22	0.00
Kd of U-235 in Contaminated Zone	22	0.01	22	0.01	12	0.23	12	0.21
Kd of U-235 in Unsaturated Zone 1	11	0.08	9	0.16	6	0.30	6	0.39
Kd of U-235 in Unsaturated Zone 2	19	-0.03	21	-0.01	17	-0.10	16	-0.09
Kd of U-235 in Saturated Zone	12	0.08	14	0.07	21	-0.07	19	-0.06
Kd of U-238 in Contaminated Zone	13	-0.08	13	-0.08	9	0.26	10	0.25
Kd of U-238 in Unsaturated Zone 1	16	0.05	10	0.10	10	0.26	9	0.32
Kd of U-238 in Unsaturated Zone 2	21	0.02	20	0.01	13	-0.17	13	-0.17
Kd of U-238 in Saturated Zone	9	0.13	12	0.09	19	0.07	18	0.07
Thickness of contaminated zone	2	0.84	2	0.54	2	0.90	2	0.58
Depth of soil mixing layer	1	-0.84	1	-0.57	1	-0.91	1	-0.60
Mass loading for inhalation	4	0.61	6	0.26	4	0.66	11	0.24
Indoor time fraction	7	0.15	3	0.48	15	0.11	3	0.57
Outdoor time fraction	8	0.14	4	0.44	16	0.10	4	0.55
R-SQUARE		0.89		0.89		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 U-235 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	6	0.10	12	0.02	17	0.03	19	0.01
Wind Speed	21	0.01	22	0.00	21	0.00	22	0.00
External gamma shielding factor	1	0.95	1	0.76	1	0.92	3	0.69
Inhalation rate	20	-0.01	21	0.00	18	-0.03	18	-0.01
Soil ingestion	14	-0.04	18	-0.01	13	-0.06	16	-0.02
Kd of U-234 in Contaminated Zone	12	0.07	7	0.05	6	-0.17	5	-0.32
Kd of U-234 in Unsaturated Zone 1	22	0.00	19	0.01	11	-0.09	7	-0.16
Kd of U-234 in Unsaturated Zone 2	4	0.13	5	0.07	15	-0.05	12	-0.08
Kd of U-234 in Saturated Zone	8	-0.09	6	-0.06	19	-0.01	15	-0.02
Kd of U-235 in Contaminated Zone	16	-0.03	16	-0.02	4	0.24	6	0.29
Kd of U-235 in Unsaturated Zone 1	17	0.03	13	0.02	9	0.12	8	0.15
Kd of U-235 in Unsaturated Zone 2	9	-0.07	11	-0.03	10	0.09	11	0.09
Kd of U-235 in Saturated Zone	15	-0.03	17	-0.01	22	0.00	21	0.00
Kd of U-238 in Contaminated Zone	13	-0.06	10	-0.03	8	0.12	9	0.15
Kd of U-238 in Unsaturated Zone 1	18	0.02	14	0.02	12	0.08	10	0.09
Kd of U-238 in Unsaturated Zone 2	7	-0.10	8	-0.04	14	0.06	13	0.06
Kd of U-238 in Saturated Zone	11	0.07	9	0.04	20	-0.01	20	-0.01
Thickness of contaminated zone	2	0.90	3	0.50	2	0.87	4	0.53
Depth of soil mixing layer	10	0.07	15	0.02	7	-0.15	14	-0.04
Mass loading for inhalation	19	0.01	20	0.00	16	0.03	17	0.01
Indoor time fraction	5	0.13	4	0.28	5	0.20	2	0.98
Outdoor time fraction	3	0.28	2	0.63	3	0.27	1	1.36
R-SQUARE		0.95		0.95		0.92		0.92

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

Coefficients for peak U-235 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	3	0.26	14	0.07	4	0.24	11	0.08
Wind Speed	20	-0.02	21	0.00	8	-0.17	16	-0.05
External gamma shielding factor	1	0.95	1	0.74	1	0.90	1	0.66
Inhalation rate	10	0.16	18	0.04	14	0.09	21	0.03
Soil ingestion	4	0.26	16	0.06	7	0.19	14	0.06
Kd of U-234 in Contaminated Zone	8	0.17	4	0.21	11	-0.12	7	-0.25
Kd of U-234 in Unsaturated Zone 1	17	-0.05	8	-0.12	5	-0.23	4	-0.43
Kd of U-234 in Unsaturated Zone 2	14	0.13	13	0.07	20	0.03	13	0.06
Kd of U-234 in Saturated Zone	12	-0.14	10	-0.10	22	-0.01	22	-0.01
Kd of U-235 in Contaminated Zone	7	-0.18	5	-0.16	13	0.09	9	0.13
Kd of U-235 in Unsaturated Zone 1	16	0.08	7	0.12	3	0.25	5	0.30
Kd of U-235 in Unsaturated Zone 2	13	-0.14	17	-0.05	16	-0.05	12	-0.08
Kd of U-235 in Saturated Zone	11	0.14	15	0.07	17	-0.05	15	-0.06
Kd of U-238 in Contaminated Zone	6	-0.19	6	-0.14	15	0.08	10	0.12
Kd of U-238 in Unsaturated Zone 1	19	0.05	12	0.07	6	0.22	6	0.28
Kd of U-238 in Unsaturated Zone 2	21	-0.02	20	-0.01	19	-0.04	18	-0.05
Kd of U-238 in Saturated Zone	9	0.17	11	0.10	18	0.04	19	0.04
Thickness of contaminated zone	2	0.89	3	0.46	2	0.82	3	0.47
Depth of soil mixing layer	15	0.11	19	0.03	9	-0.16	17	-0.05
Mass loading for inhalation	22	-0.01	22	0.00	10	0.13	20	0.04
Indoor time fraction	18	0.05	9	0.11	12	-0.10	2	-0.56
Outdoor time fraction	5	0.21	2	0.47	21	-0.02	8	-0.13
R-SQUARE		0.95		0.95		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-235 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	3	0.24	8	0.07	3	0.28	11	0.10
Wind Speed	11	-0.09	14	-0.02	20	0.01	22	0.00
External gamma shielding factor	1	0.94	1	0.75	1	0.91	3	0.73
Inhalation rate	16	0.03	18	0.01	13	0.06	16	0.02
Soil ingestion	7	-0.11	12	-0.03	14	0.05	18	0.02
Kd of U-234 in Contaminated Zone	4	-0.15	4	-0.17	16	0.03	12	0.05
Kd of U-234 in Unsaturated Zone 1	18	-0.02	10	-0.04	9	0.13	6	0.29
Kd of U-234 in Unsaturated Zone 2	21	0.01	21	0.00	21	-0.01	19	-0.01
Kd of U-234 in Saturated Zone	14	-0.04	13	-0.03	6	0.20	5	0.37
Kd of U-235 in Contaminated Zone	5	0.14	5	0.10	15	-0.04	13	-0.04
Kd of U-235 in Unsaturated Zone 1	22	0.00	22	0.00	10	-0.11	9	-0.17
Kd of U-235 in Unsaturated Zone 2	8	-0.11	11	-0.04	18	0.02	17	0.02
Kd of U-235 in Saturated Zone	15	-0.03	16	-0.02	4	-0.24	8	-0.28
Kd of U-238 in Contaminated Zone	9	0.10	7	0.09	17	-0.03	14	-0.03
Kd of U-238 in Unsaturated Zone 1	13	0.06	6	0.09	11	-0.09	10	-0.13
Kd of U-238 in Unsaturated Zone 2	10	-0.09	9	-0.04	22	0.00	20	-0.01
Kd of U-238 in Saturated Zone	19	-0.01	19	-0.01	5	-0.22	7	-0.29
Thickness of contaminated zone	2	0.89	2	0.52	2	0.81	4	0.45
Depth of soil mixing layer	17	0.02	20	0.01	12	-0.08	15	-0.03
Mass loading for inhalation	12	0.07	17	0.02	19	-0.01	21	0.00
Indoor time fraction	20	0.01	15	0.02	8	0.15	2	0.98
Outdoor time fraction	6	0.14	3	0.33	7	0.20	1	1.33
R-SQUARE		0.93		0.93		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	17	0.08	22	0.03	20	-0.03	22	-0.01
Wind Speed	5	-0.31	10	-0.12	5	-0.20	15	-0.06
External gamma shielding factor	9	0.17	18	0.07	17	0.04	21	0.01
Inhalation rate	4	0.43	6	0.18	4	0.50	5	0.17
Soil ingestion	6	-0.26	14	-0.10	8	0.10	19	0.03
Kd of U-234 in Contaminated Zone	13	0.14	9	0.16	22	-0.01	20	-0.02
Kd of U-234 in Unsaturated Zone 1	20	-0.03	16	-0.07	14	-0.05	13	-0.09
Kd of U-234 in Unsaturated Zone 2	7	-0.22	4	-0.20	7	0.11	6	0.17
Kd of U-234 in Saturated Zone	12	-0.15	8	-0.16	12	-0.07	8	-0.13
Kd of U-235 in Contaminated Zone	16	-0.08	19	-0.07	15	0.04	16	0.05
Kd of U-235 in Unsaturated Zone 1	19	0.05	15	0.08	13	0.07	12	0.09
Kd of U-235 in Unsaturated Zone 2	10	0.17	11	0.12	6	-0.17	7	-0.17
Kd of U-235 in Saturated Zone	11	0.16	12	0.11	11	0.08	10	0.09
Kd of U-238 in Contaminated Zone	14	-0.13	13	-0.11	18	0.04	17	0.05
Kd of U-238 in Unsaturated Zone 1	21	0.03	21	0.04	9	0.10	9	0.12
Kd of U-238 in Unsaturated Zone 2	15	0.11	17	0.07	10	-0.09	11	-0.09
Kd of U-238 in Saturated Zone	8	0.18	7	0.16	19	0.03	18	0.04
Thickness of contaminated zone	1	0.84	1	0.59	1	0.91	1	0.65
Depth of soil mixing layer	3	-0.72	3	-0.39	2	-0.85	2	-0.47
Mass loading for inhalation	2	0.78	2	0.45	3	0.80	3	0.42
Indoor time fraction	18	-0.05	5	-0.19	21	0.01	14	0.06
Outdoor time fraction	22	-0.02	20	-0.06	16	0.04	4	0.21
R-SQUARE		0.87		0.87		0.92		0.92

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

Coefficients for peak U-238 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	7	0.14	18	0.06	10	0.11	16	0.03
Wind Speed	5	-0.20	16	-0.08	5	-0.36	12	-0.11
External gamma shielding factor	17	-0.09	21	-0.03	21	0.00	22	0.00
Inhalation rate	4	0.54	8	0.25	4	0.68	6	0.28
Soil ingestion	14	-0.10	20	-0.04	14	0.06	20	0.02
Kd of U-234 in Contaminated Zone	13	0.12	9	0.23	9	0.12	7	0.24
Kd of U-234 in Unsaturated Zone 1	8	0.14	2	0.53	19	0.01	18	0.02
Kd of U-234 in Unsaturated Zone 2	16	0.09	17	0.08	7	-0.20	4	-0.40
Kd of U-234 in Saturated Zone	20	0.05	19	0.06	15	0.05	14	0.08
Kd of U-235 in Contaminated Zone	15	-0.10	10	-0.13	12	-0.10	10	-0.14
Kd of U-235 in Unsaturated Zone 1	11	-0.14	6	-0.34	22	0.00	21	0.00
Kd of U-235 in Unsaturated Zone 2	10	-0.14	15	-0.09	6	0.23	5	0.31
Kd of U-235 in Saturated Zone	22	-0.02	22	-0.02	16	-0.04	15	-0.04
Kd of U-238 in Contaminated Zone	18	-0.08	14	-0.10	11	-0.10	9	-0.14
Kd of U-238 in Unsaturated Zone 1	9	-0.14	5	-0.34	18	-0.02	17	-0.03
Kd of U-238 in Unsaturated Zone 2	6	-0.15	13	-0.11	8	0.16	8	0.21
Kd of U-238 in Saturated Zone	12	-0.13	12	-0.12	13	-0.07	13	-0.08
Thickness of contaminated zone	2	0.72	3	0.39	1	0.89	1	0.58
Depth of soil mixing layer	3	-0.70	4	-0.39	2	-0.87	2	-0.55
Mass loading for inhalation	1	0.86	1	0.64	3	0.83	3	0.45
Indoor time fraction	19	-0.07	7	-0.25	20	0.00	19	-0.02
Outdoor time fraction	21	-0.03	11	-0.12	17	0.02	11	0.13
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-238 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.12	16	0.04	21	-0.02	21	-0.01
Wind Speed	5	-0.32	10	-0.13	5	-0.45	12	-0.15
External gamma shielding factor	21	-0.01	21	0.00	16	-0.06	20	-0.02
Inhalation rate	4	0.66	9	0.34	4	0.66	9	0.28
Soil ingestion	10	0.13	15	0.05	22	-0.01	22	0.00
Kd of U-234 in Contaminated Zone	17	0.05	12	0.08	10	-0.16	10	-0.24
Kd of U-234 in Unsaturated Zone 1	8	-0.21	1	-0.66	7	-0.34	2	-0.71
Kd of U-234 in Unsaturated Zone 2	19	0.04	19	0.03	18	0.04	17	0.07
Kd of U-234 in Saturated Zone	16	0.05	14	0.06	17	-0.05	16	-0.08
Kd of U-235 in Contaminated Zone	22	0.00	22	0.00	9	0.17	11	0.17
Kd of U-235 in Unsaturated Zone 1	6	0.23	3	0.49	6	0.37	6	0.53
Kd of U-235 in Unsaturated Zone 2	15	-0.07	17	-0.03	20	-0.04	19	-0.04
Kd of U-235 in Saturated Zone	20	-0.02	20	-0.02	19	-0.04	18	-0.04
Kd of U-238 in Contaminated Zone	13	-0.10	11	-0.11	13	0.11	13	0.11
Kd of U-238 in Unsaturated Zone 1	7	0.22	5	0.47	8	0.33	8	0.45
Kd of U-238 in Unsaturated Zone 2	18	-0.05	18	-0.03	14	-0.09	15	-0.10
Kd of U-238 in Saturated Zone	14	0.09	13	0.06	15	0.09	14	0.10
Thickness of contaminated zone	2	0.77	8	0.45	1	0.88	4	0.55
Depth of soil mixing layer	3	-0.76	6	-0.47	2	-0.87	5	-0.54
Mass loading for inhalation	1	0.82	2	0.53	3	0.85	7	0.48
Indoor time fraction	11	0.13	7	0.46	12	0.12	3	0.70
Outdoor time fraction	9	0.14	4	0.48	11	0.13	1	0.78
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.

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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)	not used	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	1.730E+01	0.000E+00	---	S1(1)
R012	Concentration in groundwater (pCi/L): Co-60	not used	0.000E+00	---	W1(1)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	3.160E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.120E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	not used	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	not used	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	not used	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	not used	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	not used	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	not used	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	not used	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	not used	2.000E-02	---	HGWT
R014	Saturated zone b parameter	not used	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	not used	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	not used	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	not used	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	not used	2.500E+02	---	UW
R015	Number of unsaturated zone strata	not used	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)	not used	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	not used	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	not used	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	not used	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	not used	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	not used	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	not used	1.000E+01	---	HCUZ(1)
R015	Unsat. zone 2, thickness (m)	not used	0.000E+00	---	H(2)
R015	Unsat. zone 2, soil density (g/cm**3)	not used	1.500E+00	---	DENSUZ(2)
R015	Unsat. zone 2, total porosity	not used	4.000E-01	---	TPUZ(2)
R015	Unsat. zone 2, effective porosity	not used	2.000E-01	---	EPUZ(2)
R015	Unsat. zone 2, field capacity	not used	2.000E-01	---	FCUZ(2)
R015	Unsat. zone 2, soil-specific b parameter	not used	5.300E+00	---	BUZ(2)
R015	Unsat. zone 2, hydraulic conductivity (m/yr)	not used	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)	not used	1.000E+03	---	DCNUCU(1,1)
R016	Unsaturated zone 2 (cm**3/g)	not used	1.000E+03	---	DCNUCU(1,2)
R016	Saturated zone (cm**3/g)	not used	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	1.710E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	5.700E-02	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)

Site-Specific Parameter Summary (continued)

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

Site-Specific Parameter Summary (continued)

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

Site-Specific Parameter Summary (continued)

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

Summary of Pathway Selections

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

```
      Contaminated Zone Dimensions            Initial Soil Concentrations, pCi/g
      ----------------------------            ----------------------------------
        Area:2023400.00 square meters                Co-60      1.730E+01
   Thickness:      0.15 meters
 Cover Depth:      0.00 meters
0
                                     Total Dose TDOSE(t), mrem/yr
                                Basic Radiation Dose Limit =  19 mrem/yr
              Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)
              ---------------------------------------------------------------------------
    t (years):  0.000E+00  1.000E+00  3.000E+00  1.000E+01  3.000E+01  1.000E+02  3.000E+02  1.000E+03
     TDOSE(t):  3.895E+01  3.400E+01  2.589E+01  9.965E+00  6.445E-01  3.416E-05  0.000E+00  0.000E+00
         M(t):  2.050E+00  1.789E+00  1.362E+00  5.245E-01  3.392E-02  1.798E-06  0.000E+00  0.000E+00
0Maximum TDOSE(t):  3.895E+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 Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	3.895E+01	0.9999	8.789E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.613E-03	0.0001
Total	3.895E+01	0.9999	8.789E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.613E-03	0.0001

0

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 Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	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	3.895E+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	3.895E+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 Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	3.399E+01	0.9999	7.636E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.139E-03	0.0001
Total	3.399E+01	0.9999	7.636E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.139E-03	0.0001

0

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 Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	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	3.400E+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	3.400E+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 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	2.589E+01	0.9999	5.763E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.369E-03	0.0001
Total	2.589E+01	0.9999	5.763E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.369E-03	0.0001

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	2.589E+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	2.589E+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 Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	9.964E+00	0.9999	2.149E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.833E-04	0.0001
Total	9.964E+00	0.9999	2.149E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.833E-04	0.0001

0

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 Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	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	9.965E+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	9.965E+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 Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	6.444E-01	0.9999	1.264E-06	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.194E-05	0.0001
Total	6.444E-01	0.9999	1.264E-06	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.194E-05	0.0001

0

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 Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	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	6.445E-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	6.445E-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 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Co-60	3.416E-05	0.9999	4.438E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.824E-09	0.0001
Total	3.416E-05	0.9999	4.438E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.824E-09	0.0001

0

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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	3.416E-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	3.416E-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 Water Independent Pathways (Inhalation excludes radon)

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	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

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 Water Dependent Pathways

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	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 Water Independent Pathways (Inhalation excludes radon)

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio- Nuclide	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

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 Water Dependent Pathways

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio- Nuclide	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

0Parent (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
Co-60	Co-60	1.000E+00	2.252E+00	1.965E+00	1.496E+00	5.760E-01	3.725E-02	1.975E-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

0Nuclide (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	8.438E+00	9.669E+00	1.270E+01	3.299E+01	5.100E+02	9.621E+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

0Nuclide (i)	Initial pCi/g	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Co-60	1.730E+01	0.000E+00	2.252E+00	8.438E+00	2.252E+00	8.438E+00

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

0Nuclide (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	3.895E+01	3.400E+01	2.589E+01	9.965E+00	6.445E-01	3.416E-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

0Nuclide (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	1.730E+01	1.513E+01	1.158E+01	4.533E+00	3.112E-01	2.638E-05	6.132E-17	0.000E+00

BRF(i) is the branch fraction of the parent nuclide.
0RESMAIN5.EXE execution time = 16.73 seconds

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                                   Source Factors for Ingrowth and Decay
                                         Radioactivity Factors Only
                       Parent and Progeny Principal Radionuclide Contributions Indicated
0Parent  Product  Branch                           ID(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)
  (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 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)* ... BRF(j).
0
                                   Source Factors for Ingrowth and Decay
                                 Combined Radioactivity and Leaching Factors
                       Parent and Progeny Principal Radionuclide Contributions Indicated
0Parent  Product  Branch                           SF(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)
  (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 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)* ... 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

0

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)	Cd(i,t) (meters) 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	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(i,t) (meters) 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	1.5000E-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): 0.177
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
	FCTR_COV_DEPTH(i,t) (dimensionless)							
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
	FCTR_AREA(i,t) (dimensionless)							
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)

0

Parent (i)	Product (j)	DCF(j,1)*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			ETF(j,1,t) (dimensionless)							
Co-60	Co-60	1.620E+01	1.487E-01	1.483E-01	1.477E-01	1.452E-01	1.368E-01	8.594E-02	0.000E+00	0.000E+00

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

0

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

0

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,1,t) (mrem/yr)/(pCi/g)							
Co-60	Co-60	1.000E+00	2.252E+00	1.965E+00	1.496E+00	5.760E-01	3.725E-02	1.975E-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 Inhalation Pathway, Excluding Radon (p=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (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	5.080E-06	4.414E-06	3.331E-06	1.242E-06	7.304E-08	2.565E-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):	1.2540E-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:	2.4866E-02 g/yr

Nuclide (i)	Depth Factor [FD(i,2,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	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

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

0Parent (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	2.487E-02	2.470E-02	2.437E-02	2.321E-02	1.989E-02	8.289E-03	0.000E+00	0.000E+00

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

```
 Transport Time Parameters for Unsaturated Zone Stratum  No. 1

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

  Radio-       Distribution      Retardation      Transport
 nuclide       Coefficient         Factor           Time
   (i)     Kduz(i,1), cm**3/g     Rduz(i,1)     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-       Distribution      Retardation      Transport
 nuclide       Coefficient         Factor           Time
   (i)     Kduz(i,2), cm**3/g     Rduz(i,2)     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-       Distribution      Retardation       Minimum
 nuclide       Coefficient         Factor         Transport
                                                     Time
   (i)      Kdaq(i), cm**3/g      Rduaq(i)      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
0 Radio-     Dilution       Retardation      Horizontal Transport Time         Rise         Decay Time
 nuclide      Factor          Factor                         Onsite           Time          Parameter
   (i)         f(i)           Rdsz(i)                      Tauh(i), yr      dt(i), yr     1/lamda(i),yr
 -------   -------------   -------------   -------------   -------------   -------------   -------------
 Co-60       1.000E+00       3.751E+03                      3.751E+04       1.369E+04       7.604E+00
 =======   =============   =============   =============   =============   =============   =============
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
0 Radio-     Dilution       Retardation          Breakthrough Time             Rise
 nuclide      Factor          Factor           Chain      Single Nuclide       Time
   (i)         f(i)           Rdcz(i)          year          Dt(i), yr       dt(i), yr
 -------   -------------   -------------   -------------   -------------   -------------
 Co-60       1.000E+00       4.644E+03        Infinite        Infinite       1.369E+04
 =======   =============   =============   =============   =============   =============
```

Water/Soil Concentration Ratios [WSR(j,1,t)] for Groundwater Pathway Segment

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
			WSR(j,1,t) in (pCi/L)/(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

Water/Soil Concentration Ratios [WSR(j,2,t)] for Surface Water Pathway Segment

0 Watershed Area (Aw) = 1.0000E+06 m**2
Contaminated Zone Area (A) = 2.0234E+06 m**2
Dilution Factor (f') = 2.0234E+00
Soil Density (rhob) = 1.5000E+00 kg/m**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
			WSR(j,2,t) in (pCi/L)/(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

Storage Times For Contaminated Foodstuffs

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

0

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

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

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

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

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
			CFWW(j,t,1)#							
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
Irrigation Water for Nonleafy Plants from Well and/or Surface
Harvest Time = t - 4.11E-02 yr; Consumption Time = t - 3.83E-02 yr

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CFWW(j,t,2)#							
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
Irrigation Water for Leafy Plants 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
			CFWW(j,t,3)#							
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
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

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
			CFWW(j,t,5)#							
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
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*	CFWW(j,t,7)# 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
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*	CFWW(j,t,4)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
Livestock (Meat) Water from Well and/or Surface
Harvest Time = t - 5.75E-02 yr; Consumption Time = t - 5.48E-02 yr

0Parent (i)	Product (j)	Branch Fraction*	CFWW(j,t,6)# 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 Nonleafy Plants
Harvest Time = t - 3.83E-02 yr; Consumption Time = t yr

0Parent (i)	Product (j)	Branch Fraction*	CF3(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	9.950E-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

0Parent (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
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

0Parent (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
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

0Parent (i)	Product (j)	Branch Fraction*	CFLF(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	9.839E-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

0Parent (i)	Product (j)	Branch Fraction*	CF45(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	9.928E-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

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
			CF45(j,2,t)#							
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

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
			CFF(j,1,t)#							
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
Root Uptake from Contaminated Soil (q=1)

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

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
	Depth Factor FD(i,1,t) (dimensionless)							
Co-60	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

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= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,2,t) (dimensionless)							
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

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)	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
	Depth Factor FD(i,3,t) (dimensionless)							
Co-60	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00

```
    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)
0Parent Product  DCF(j,3)*                                ETF(j,3,1,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
            Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)
                            Subpathway: Foliar Uptake from Contaminated Dust (q=2)
0Parent Product  DCF(j,3)*                                ETF(j,3,2,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
            Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)
                                      Subpathway: Ditch Irrigation (q=3)
0Parent Product  DCF(j,3)*                             ETF(j,3,3,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
            Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)
                                     Subpathway: Overhead Irrigation (q=4)
0Parent Product  DCF(j,3)*                             ETF(j,3,4,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
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                Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)
                          Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)
0Parent Product  DCF(j,4)*                                ETF(j,4,1,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)
                         Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)
0Parent Product  DCF(j,4)*                                ETF(j,4,2,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)
                                   Subpathway: Ditch Irrigation (q=3)
0Parent Product  DCF(j,4)*                             ETF(j,4,3,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)
                                  Subpathway: Overhead Irrigation (q=4)
0Parent Product  DCF(j,4)*                             ETF(j,4,4,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Meat Pathway (p=4)
                                    Subpathway: Livestock Water (q=5)
0Parent Product  DCF(j,4)*                             ETF(j,4,5,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
```

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                Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)
                          Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)
0Parent Product  DCF(j,5)*                                ETF(j,5,1,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

                         Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)
0Parent Product  DCF(j,5)*                                ETF(j,5,2,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)
                                   Subpathway: Ditch Irrigation (q=3)
0Parent Product  DCF(j,5)*                            ETF(j,5,3,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)
                                  Subpathway: Overhead Irrigation (q=4)
0Parent Product  DCF(j,5)*                            ETF(j,5,4,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
                Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)
                                    Subpathway: Livestock Water (q=5)
0Parent Product  DCF(j,5)*                            ETF(j,5,5,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------

 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
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                Dose Conversion and Environmental Transport Factors for the Fish Pathway (p=6)
0Parent Product  DCF(j,6)*                              ETF(j,6,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
0
           Dose Conversion and Environmental Transport Factors for the Drinking Water Pathway (p=7)
0Parent Product  DCF(j,7)*                              ETF(j,7,t) * SF(j,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
```

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                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
0Parent  Product  Branch                            DSR(j,3,1,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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
0Parent  Product  Branch                            DSR(j,3,2,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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
0Parent  Product  Branch                            DSR(j,3,3,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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
0Parent  Product  Branch                            DSR(j,3,4,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,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

*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:  Fodder Root Uptake from Contaminated Soil (q=1)
                      Parent and Progeny Principal Radionuclide Contributions Indicated
0Parent  Product  Branch                            DSR(j,4,1,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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
0Parent  Product  Branch                            DSR(j,4,2,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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

0Parent  Product  Branch                            DSR(j,4,3,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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
0Parent  Product  Branch                            DSR(j,4,4,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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  Product  Branch                            DSR(j,4,5,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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  Product  Branch                             DSR(j,4,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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 Milk (p=5)
                         Subpathway:  Fodder Root Uptake from Contaminated Soil (q=1)
                      Parent and Progeny Principal Radionuclide Contributions Indicated
0Parent  Product  Branch                            DSR(j,5,1,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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  Product  Branch                            DSR(j,5,2,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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  Product  Branch                            DSR(j,5,3,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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  Product  Branch                            DSR(j,5,4,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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 Milk (p=5)
                                     Subpathway:  Livestock Water (q=5)
                      Parent and Progeny Principal Radionuclide Contributions Indicated
0Parent  Product  Branch                            DSR(j,5,5,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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
0Parent  Product  Branch                            DSR(j,5,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,6,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)* ... 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
0Parent  Product  Branch                              DSR(j,7,t)  (mrem/yr)/(pCi/g)
  (i)      (j)   Fraction* t= 0.000E+00 1.000E+00 3.000E+00 1.000E+01 3.000E+01 1.000E+02 3.000E+02 1.000E+03
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60   Co-60   1.000E+00    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
 *Branch Fraction is the cumulative factor for the j't principal radionuclide daughter:  CUMBRF(j) = BRF(1)*BRF(2)* ... 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  FAR(i,3,2,1)  FAR(i,3,2,2)  FWR(i,3,3,1)  FWR(i,3,3,2)  FWR(i,3,4,1)  FWR(i,3,4,2)
   (i)       m**3/g        m**3/g          L/g          L/g           L/g           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.
0
                 Plant/Soil Concentration Ratios, FSR(i,3,q,k,t)
0               Root Uptake (q=1) and Foliar Dust Deposition (q=2)
                   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)
             ------ -------  ------------  ------------  ------------
             Co-60  Co-60     8.0000E-02    1.2876E-06    6.1745E-06
             ====== =======  ============  ============  ============
0
                                Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)
                                            Ditch Irrigation (q=3)
0Parent  Product  Branch                                  FSR(j,3,3,k,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    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========

0
                                Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)
                           Overhead Irrigation (q=4) and Nonleafy Vegetables (k=1)
0Parent  Product  Branch                                 FSR(j,3,4,1,t) * SF(j,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    0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 ======= ======= =========    ========= ========= ========= ========= ========= ========= ========= =========
0
                                Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)
                             Overhead Irrigation (q=4) and Leafy Vegetables (k=2)
0Parent  Product  Branch                                 FSR(j,3,4,2,t) * SF(j,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
 ------- ------- ---------    --------- --------- --------- --------- --------- --------- --------- ---------
```

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
			FSR(j,3,4,2,t) * SF(j,t)							
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

```
 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.
```

Fodder/Soil Concentration Ratios, QSR(i,p,q,t), for Meat and Milk Pathways
Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i) Parent	Product	QSR(i,p,1)	QSR(i,p,2)
Co-60	Co-60	8.0000E-02	6.7655E-06

0

Fodder/Soil Concentration Ratio, QSR(j,p,q,t),for Meat and Milk Pathways
Ditch Irrigation (q=3)

0Parent (i)	Product (j)	Branch Fraction*	QSR(j,p,3,t) * SF(j,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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

Fodder/Soil Concentration Ratio, QSR(j,p,q,t),for Meat and Milk Pathways
Overhead Irrigation (q=4)

0Parent (i)	Product (j)	Branch Fraction*	QSR(j,p,4,t) * SF(j,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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

Fodder/Soil Concentration Ratio, QSR(j,p,q,t),for Meat and Milk Pathways
Livestock Water (q=5)

0Parent (i)	Product (j)	Branch Fraction*	QSR(j,p,5,t) * SF(j,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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Meat/Soil Concentration Ratios, FSR(i,4,q,t)
Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i) Parent	Product	FSR(i,4,1)	FSR(i,4,2)
Co-60	Co-60	1.8133E-02	9.2011E-06

0

Meat/Soil Concentration Ratio, FSR(j,4,q,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
			FSR(j,4,3,t) * SF(j,t)							
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

Meat/Soil Concentration Ratio, FSR(j,4,q,t)
Overhead Irrigation (q=4)

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
			FSR(j,4,4,t) * SF(j,t)							
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

Meat/Soil Concentration Ratio, FSR(j,4,q,t)
Livestock Water (q=5)

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
			FSR(j,4,5,t) * SF(j,t)							
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

Milk/Soil Concentration Ratios, FSR(i,5,q,t)
Root Uptake (q=1) and Foliar Dust Deposition (q=2)

Nuclide(i) Parent	Product	FSR(i,5,1)	FSR(i,5,2)
Co-60	Co-60	1.4667E-03	7.4420E-07

0

Milk/Soil Concentration Ratio, FSR(j,5,q,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
			FSR(j,5,3,t) * SF(j,t)							
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

Milk/Soil Concentration Ratio, FSR(j,5,q,t)
Overhead Irrigation (q=4)

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
			FSR(j,5,4,t) * SF(j,t)							
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

Milk/Soil Concentration Ratio, FSR(j,5,q,t)
Livestock Water (q=5)

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
			FSR(j,5,5,t) * SF(j,t)							
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

```
                           Dose/Source Ratios for Soil Ingestion Pathway (p=8)
                      Parent and Progeny Principal Radionuclide Contributions Indicated
0Parent  Product  Branch                              DSR(j,8,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    2.088E-04 1.814E-04 1.369E-04 5.106E-05 3.003E-06 1.054E-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)
0Parent Product  DCF(j,8)*                                    ETF(j,8,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
 ------ -------  ---------     --------- --------- --------- --------- --------- --------- --------- ---------
 Co-60  Co-60    2.690E-05     8.322E+00 8.267E+00 8.156E+00 7.767E+00 6.658E+00 2.774E+00 0.000E+00 0.000E+00
 ====== =======  =========     ========= ========= ========= ========= ========= ========= ========= =========
 * - The dose conversion factor units are mrem/pCi.
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Part III: Intake Quantities and Health Risk Factors

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Amount of Intake Quantities and Excess Cancer Risks
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Cancer Risk Slope Factors Summary Table
File: Default.LIB

0 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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Co-60	4.302E-01	0.000E+00	0.000E+00	0.000E+00	1.440E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.440E+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= 0.000E+00 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	7.561E-04	0.9999	8.905E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.206E-08	0.0001
Total	7.561E-04	0.9999	8.905E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.206E-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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	7.562E-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	7.562E-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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	7.561E-04	0.9999	8.905E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.206E-08	0.0001
Total	7.561E-04	0.9999	8.905E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.206E-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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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	7.562E-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	7.562E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Co-60	3.738E-01	0.000E+00	0.000E+00	0.000E+00	1.251E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.251E+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= 1.000E+00 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	6.599E-04	0.9999	7.737E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.130E-08	0.0001
Total	6.599E-04	0.9999	7.737E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.130E-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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	6.599E-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	6.599E-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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	6.599E-04	0.9999	7.737E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.130E-08	0.0001
Total	6.599E-04	0.9999	7.737E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.130E-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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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	6.599E-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	6.599E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Co-60	2.821E-01	0.000E+00	0.000E+00	0.000E+00	9.441E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.441E+01

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	5.025E-04	0.9999	5.839E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.381E-08	0.0001
Total	5.025E-04	0.9999	5.839E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.381E-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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.026E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.026E-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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	5.025E-04	0.9999	5.839E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.381E-08	0.0001
Total	5.025E-04	0.9999	5.839E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.381E-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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.026E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.026E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Co-60	1.052E-01	0.000E+00	0.000E+00	0.000E+00	3.521E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.521E+01

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

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)

and Fraction of Total Risk at t= 1.000E+01 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	1.935E-04	0.9999	2.178E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.007E-08	0.0001
Total	1.935E-04	0.9999	2.178E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.007E-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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	1.935E-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	1.935E-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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	1.935E-04	0.9999	2.178E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.007E-08	0.0001
Total	1.935E-04	0.9999	2.178E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.007E-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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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	1.935E-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	1.935E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Co-60	6.190E-03	0.000E+00	0.000E+00	0.000E+00	2.072E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.072E+00

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	1.252E-05	0.9999	1.281E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.181E-09	0.0001
Total	1.252E-05	0.9999	1.281E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.181E-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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	1.252E-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	1.252E-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 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	1.252E-05	0.9999	1.281E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.181E-09	0.0001
Total	1.252E-05	0.9999	1.281E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.181E-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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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	1.252E-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	1.252E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Co-60	2.186E-07	0.000E+00	0.000E+00	0.000E+00	7.317E-05	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.317E-05

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	6.665E-10	0.9999	4.526E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.171E-14	0.0001
Total	6.665E-10	0.9999	4.526E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.171E-14	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+02 years

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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	6.665E-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	6.665E-10	1.0000

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Co-60	6.665E-10	0.9999	4.526E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.171E-14	0.0001
Total	6.665E-10	0.9999	4.526E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.171E-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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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	6.665E-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	6.665E-10	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+02 years

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
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	0.000E+00	0.000E+00

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	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
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

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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
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

** 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+02 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	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

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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As pCi/yr at t= 1.000E+03 years

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
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	0.000E+00	0.000E+00

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	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
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

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-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	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
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

** 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+03 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	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

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-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	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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Concentration of radionuclides in environmental media
at t = 0.000E+00 years

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	1.730E+01	1.730E+01	4.084E-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	2.307E+02	2.308E+02	2.308E+02	2.308E+02	4.869E+02	4.269E+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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	1.513E+01	1.503E+01	3.548E-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	2.005E+02	2.005E+02	2.023E+02	2.008E+02	4.235E+02	3.711E+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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	1.158E+01	1.134E+01	2.678E-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 = 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	1.513E+02	1.513E+02	1.527E+02	1.516E+02	3.196E+02	2.801E+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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	4.533E+00	4.231E+00	9.987E-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	5.643E+01	5.644E+01	5.694E+01	5.653E+01	1.192E+02	1.045E+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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	3.112E-01	2.489E-01	5.877E-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	3.321E+00	3.321E+00	3.351E+00	3.327E+00	7.016E+00	6.147E-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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	2.638E-05	8.792E-06	2.076E-10	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	1.173E-04	1.173E-04	1.186E-04	1.177E-04	2.482E-04	2.173E-05	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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/l	Surface Water pCi/l
Co-60	6.132E-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-Nuclide	Drinking Water pCi/l	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/l	Fish pCi/kg	Crustacea pCi/kg
Co-60	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate 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
==========

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

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL mrem/yr
Co-60	3.90E+01	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E+01
Total	3.90E+01	8.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL mrem/yr
Co-60	3.40E+01	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+01
Total	3.40E+01	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E+01

0*Sum of all water independent and dependent pathways.

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

0 Water Independent Pathways Water Dependent Pathways

0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL mrem/yr
Co-60	2.59E+01	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+01
Total	2.59E+01	5.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+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

0 Water Independent Pathways Water Dependent Pathways

0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL mrem/yr
Co-60	9.96E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E+00
Total	9.96E+00	2.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E+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 = 3.000E+01 years

0 Water Independent Pathways Water Dependent Pathways

0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL mrem/yr
Co-60	6.44E-01	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-01
Total	6.44E-01	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-01

0*Sum of all water independent and dependent pathways.

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

0 Water Independent Pathways Water Dependent Pathways

0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL mrem/yr
Co-60	3.42E-05	4.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05
Total	3.42E-05	4.44E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-05

0*Sum of all water independent and dependent pathways.

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

0 Water Independent Pathways Water Dependent Pathways

0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL 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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	Ground mrem/yr	Dust mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	Soil mrem/yr	Water mrem/yr	Fish mrem/yr	Radon mrem/yr	Plant mrem/yr	Meat mrem/yr	Milk mrem/yr	ALL 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	RUNOFF	UNIFORM	.1	.8		
2	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
3	SHF1	BOUNDED LOGNORMAL-N	-1.3	.59	.044	1
4	INHALR	TRIANGULAR	4380	8400	13100	
5	SOIL	TRIANGULAR	0	18.3	36.5	
6	THICK0	TRIANGULAR	0	.075	.3	
7	DM	TRIANGULAR	0	.15	.6	
8	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
9	DCACTC(1)	LOGNORMAL-N	5.46	2.53		
10	DCACTU1(1)	LOGNORMAL-N	5.46	2.53		
11	DCACTU2(1)	LOGNORMAL-N	5.46	2.53		
12	DCACTS(1)	LOGNORMAL-N	5.46	2.53		
13	FIND	TRIANGULAR	.057	.171	.228	
14	FOTD	TRIANGULAR	0	.057	.114	

0 Monte Carlo Total Dose Summary

0Nuclide (j)	Peak Time	Peak Dose	t= 0.00E+00	1.00E+00	3.00E+00	DOSE(j,t), mrem/yr 1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Co-60										
Min	0.00E+00	3.36E+00	3.36E+00	1.10E-02	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.13E+01	5.13E+01	4.48E+01	3.42E+01	1.33E+01	8.84E-01	6.32E-05	0.00E+00	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.57E+01	1.12E+01	3.75E+00	1.99E-01	8.14E-06	0.00E+00	0.00E+00
Std	0.00E+00	7.93E+00	7.93E+00	7.39E+00	5.95E+00	2.52E+00	1.80E-01	1.33E-05	0.00E+00	0.00E+00
äALL										
Min	0.00E+00	3.36E+00	3.36E+00	1.10E-02	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.13E+01	5.13E+01	4.48E+01	3.42E+01	1.33E+01	8.84E-01	6.32E-05	0.00E+00	0.00E+00
Avg	0.00E+00	1.90E+01	1.90E+01	1.57E+01	1.12E+01	3.75E+00	1.99E-01	8.14E-06	0.00E+00	0.00E+00
Std	0.00E+00	7.93E+00	7.93E+00	7.39E+00	5.95E+00	2.52E+00	1.80E-01	1.33E-05	0.00E+00	0.00E+00

äALL is total dose summed for all nuclides.

0 Monte Carlo Risk Summary
0Nuclide RISK(j,t)

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Co-60								
Min	7.35E-05	1.15E-06	1.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.96E-04	8.70E-04	6.64E-04	2.57E-04	1.71E-05	1.23E-09	0.00E+00	0.00E+00
Avg	3.85E-04	3.12E-04	2.20E-04	7.33E-05	3.87E-06	1.59E-10	0.00E+00	0.00E+00
Std	1.48E-04	1.41E-04	1.14E-04	4.87E-05	3.49E-06	2.58E-10	0.00E+00	0.00E+00
äALL								
Min	7.35E-05	1.15E-06	1.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.96E-04	8.70E-04	6.64E-04	2.57E-04	1.71E-05	1.23E-09	0.00E+00	0.00E+00
Avg	3.85E-04	3.12E-04	2.20E-04	7.33E-05	3.87E-06	1.59E-10	0.00E+00	0.00E+00
Std	1.48E-04	1.41E-04	1.14E-04	4.87E-05	3.49E-06	2.58E-10	0.00E+00	0.00E+00

äALL is total risk summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Ground External

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	3.36E+00	1.10E-02	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.13E+01	4.48E+01	3.42E+01	1.33E+01	8.83E-01	6.32E-05	0.00E+00	0.00E+00
Avg	1.90E+01	1.57E+01	1.12E+01	3.75E+00	1.99E-01	8.14E-06	0.00E+00	0.00E+00
Std	7.93E+00	7.39E+00	5.95E+00	2.52E+00	1.80E-01	1.33E-05	0.00E+00	0.00E+00
äALL								
Min	3.36E+00	1.10E-02	1.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.13E+01	4.48E+01	3.42E+01	1.33E+01	8.83E-01	6.32E-05	0.00E+00	0.00E+00
Avg	1.90E+01	1.57E+01	1.12E+01	3.75E+00	1.99E-01	8.14E-06	0.00E+00	0.00E+00
Std	7.93E+00	7.39E+00	5.95E+00	2.52E+00	1.80E-01	1.33E-05	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)	DOSE(i,j,t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Co-60								
Min	1.98E-07	2.43E-09	2.56E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.60E-05	5.79E-05	4.45E-05	1.77E-05	1.27E-06	4.41E-11	0.00E+00	0.00E+00
Avg	1.11E-05	9.19E-06	6.55E-06	2.18E-06	1.13E-07	3.84E-12	0.00E+00	0.00E+00
Std	9.28E-06	8.03E-06	6.04E-06	2.32E-06	1.55E-07	7.91E-12	0.00E+00	0.00E+00
äALL								
Min	1.98E-07	2.43E-09	2.56E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.60E-05	5.79E-05	4.45E-05	1.77E-05	1.27E-06	4.41E-11	0.00E+00	0.00E+00
Avg	1.11E-05	9.19E-06	6.55E-06	2.18E-06	1.13E-07	3.84E-12	0.00E+00	0.00E+00
Std	9.28E-06	8.03E-06	6.04E-06	2.32E-06	1.55E-07	7.91E-12	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Radon (Water Ind.)

0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Co-60								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Plant (Water Ind.)

0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Co-60								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

```
0                  Monte Carlo Dose vs Pathway(i):   Meat  (Water Ind.)
0Nuclide                                DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00  1.00E+00  3.00E+00  1.00E+01  3.00E+01  1.00E+02  3.00E+02  1.00E+03
 -------    --------  --------  --------  --------  --------  --------  --------  --------
 Co-60
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 äALL
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 =======    ========  ========  ========  ========  ========  ========  ========  ========
 äALL is total pathway dose summed for all nuclides.
```

0 Monte Carlo Dose vs Pathway(i): Milk (Water Ind.)

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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

0 Monte Carlo Dose vs Pathway(i): Soil Ingestion

0Nuclide 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	1.41E-05	2.64E-07	2.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.14E-03	2.75E-03	2.11E-03	8.40E-04	6.00E-05	5.70E-09	0.00E+00	0.00E+00
Avg	8.88E-04	7.39E-04	5.26E-04	1.74E-04	8.88E-06	3.25E-10	0.00E+00	0.00E+00
Std	6.84E-04	5.95E-04	4.47E-04	1.71E-04	1.15E-05	7.66E-10	0.00E+00	0.00E+00
äALL								
Min	1.41E-05	2.64E-07	2.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.14E-03	2.75E-03	2.11E-03	8.40E-04	6.00E-05	5.70E-09	0.00E+00	0.00E+00
Avg	8.88E-04	7.39E-04	5.26E-04	1.74E-04	8.88E-06	3.25E-10	0.00E+00	0.00E+00
Std	6.84E-04	5.95E-04	4.47E-04	1.71E-04	1.15E-05	7.66E-10	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

```
0                    Monte Carlo Dose vs Pathway(i):   Water Ingestion
0Nuclide                                  DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00  1.00E+00  3.00E+00  1.00E+01  3.00E+01  1.00E+02  3.00E+02  1.00E+03
 -------    --------  --------  --------  --------  --------  --------  --------  --------
 Co-60
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 äALL
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 =======    ========  ========  ========  ========  ========  ========  ========  ========
 äALL is total pathway dose summed for all nuclides.
```

0 Monte Carlo Dose vs Pathway(i): Fish Ingestion

0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Co-60								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

```
0                  Monte Carlo Dose vs Pathway(i):   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
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 äALL
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 =======    ========  ========  ========  ========  ========  ========  ========  ========
 äALL is total pathway dose summed for all nuclides.
```

0 Monte Carlo Dose vs Pathway(i): Plant (Water Dep.)

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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

```
0                  Monte Carlo Dose vs Pathway(i):   Meat  (Water Dep.)
0Nuclide                                DOSE(i,j,t), mrem/yr
   (j)   t= 0.00E+00  1.00E+00  3.00E+00  1.00E+01  3.00E+01  1.00E+02  3.00E+02  1.00E+03
 -------    --------  --------  --------  --------  --------  --------  --------  --------
 Co-60
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 äALL
   Min      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Max      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Avg      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
   Std      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
 =======    ========  ========  ========  ========  ========  ========  ========  ========
 äALL is total pathway dose summed for all nuclides.
```

0 Monte Carlo Dose vs Pathway(i): Milk (Water Dep.)

0Nuclide (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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
äALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

äALL is total pathway dose summed for all nuclides.

MC Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
	Dose(t), mrem/yr							
0.025	5.85E+00	1.36E+00	4.28E-02	1.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	6.61E+00	3.67E+00	8.01E-01	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.075	7.85E+00	5.29E+00	2.02E+00	2.91E-02	3.25E-16	0.00E+00	0.00E+00	0.00E+00
0.100	8.80E+00	6.35E+00	3.29E+00	2.82E-01	8.39E-08	0.00E+00	0.00E+00	0.00E+00
0.125	9.71E+00	6.98E+00	3.97E+00	4.75E-01	6.51E-05	0.00E+00	0.00E+00	0.00E+00
0.150	1.02E+01	7.44E+00	4.58E+00	7.07E-01	3.21E-04	0.00E+00	0.00E+00	0.00E+00
0.175	1.09E+01	8.44E+00	5.25E+00	9.10E-01	2.33E-03	0.00E+00	0.00E+00	0.00E+00
0.200	1.15E+01	8.95E+00	6.11E+00	1.05E+00	4.29E-03	0.00E+00	0.00E+00	0.00E+00
0.225	1.23E+01	9.52E+00	6.66E+00	1.43E+00	9.36E-03	0.00E+00	0.00E+00	0.00E+00
0.250	1.29E+01	1.02E+01	7.05E+00	1.77E+00	2.24E-02	0.00E+00	0.00E+00	0.00E+00
0.275	1.36E+01	1.08E+01	7.25E+00	2.05E+00	3.53E-02	0.00E+00	0.00E+00	0.00E+00
0.300	1.42E+01	1.13E+01	7.72E+00	2.17E+00	4.92E-02	0.00E+00	0.00E+00	0.00E+00
0.325	1.51E+01	1.20E+01	8.15E+00	2.48E+00	5.65E-02	0.00E+00	0.00E+00	0.00E+00
0.350	1.57E+01	1.30E+01	8.64E+00	2.58E+00	7.67E-02	0.00E+00	0.00E+00	0.00E+00
0.375	1.61E+01	1.34E+01	9.49E+00	2.69E+00	8.37E-02	0.00E+00	0.00E+00	0.00E+00
0.400	1.67E+01	1.39E+01	9.83E+00	2.82E+00	1.10E-01	0.00E+00	0.00E+00	0.00E+00
0.425	1.73E+01	1.45E+01	1.02E+01	2.95E+00	1.29E-01	0.00E+00	0.00E+00	0.00E+00
0.450	1.79E+01	1.50E+01	1.04E+01	3.36E+00	1.40E-01	3.57E-16	0.00E+00	0.00E+00
0.475	1.84E+01	1.53E+01	1.07E+01	3.49E+00	1.51E-01	1.19E-12	0.00E+00	0.00E+00
0.500	1.91E+01	1.57E+01	1.11E+01	3.72E+00	1.72E-01	1.16E-09	0.00E+00	0.00E+00
0.525	1.97E+01	1.61E+01	1.16E+01	3.88E+00	1.89E-01	1.67E-08	0.00E+00	0.00E+00
0.550	2.00E+01	1.66E+01	1.19E+01	4.01E+00	1.99E-01	8.18E-08	0.00E+00	0.00E+00
0.575	2.04E+01	1.74E+01	1.23E+01	4.28E+00	2.20E-01	6.72E-07	0.00E+00	0.00E+00
0.600	2.08E+01	1.78E+01	1.30E+01	4.52E+00	2.34E-01	1.36E-06	0.00E+00	0.00E+00
0.625	2.12E+01	1.83E+01	1.33E+01	4.71E+00	2.49E-01	3.66E-06	0.00E+00	0.00E+00
0.650	2.18E+01	1.87E+01	1.36E+01	4.86E+00	2.65E-01	5.09E-06	0.00E+00	0.00E+00
0.675	2.26E+01	1.89E+01	1.40E+01	4.95E+00	2.82E-01	6.12E-06	0.00E+00	0.00E+00
0.700	2.33E+01	1.97E+01	1.44E+01	5.22E+00	2.91E-01	7.79E-06	0.00E+00	0.00E+00
0.725	2.38E+01	2.02E+01	1.47E+01	5.35E+00	3.10E-01	1.02E-05	0.00E+00	0.00E+00
0.750	2.43E+01	2.05E+01	1.53E+01	5.55E+00	3.34E-01	1.26E-05	0.00E+00	0.00E+00
0.775	2.49E+01	2.13E+01	1.56E+01	5.83E+00	3.44E-01	1.49E-05	0.00E+00	0.00E+00
0.800	2.53E+01	2.18E+01	1.62E+01	5.92E+00	3.62E-01	1.70E-05	0.00E+00	0.00E+00
0.825	2.63E+01	2.26E+01	1.69E+01	6.14E+00	3.77E-01	1.97E-05	0.00E+00	0.00E+00
0.850	2.71E+01	2.33E+01	1.73E+01	6.46E+00	3.96E-01	2.20E-05	0.00E+00	0.00E+00
0.875	2.84E+01	2.40E+01	1.79E+01	6.62E+00	4.36E-01	2.66E-05	0.00E+00	0.00E+00
0.900	2.88E+01	2.48E+01	1.87E+01	6.83E+00	4.57E-01	3.02E-05	0.00E+00	0.00E+00
0.925	2.98E+01	2.53E+01	1.92E+01	7.36E+00	4.91E-01	3.47E-05	0.00E+00	0.00E+00
0.950	3.26E+01	2.71E+01	2.02E+01	7.94E+00	5.34E-01	4.10E-05	0.00E+00	0.00E+00
0.975	3.57E+01	3.13E+01	2.39E+01	8.76E+00	5.97E-01	4.57E-05	0.00E+00	0.00E+00
1.000	5.13E+01	4.48E+01	3.42E+01	1.33E+01	8.84E-01	6.32E-05	0.00E+00	0.00E+00

Summary of dose at graphical times, reptition 1
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	3.60E+00	4.13E+01	1.90E+01	1.84E+01	2.92E+01	3.35E+01	3.62E+01	4.12E+01
1.00E+00	2.59E-01	3.52E+01	1.57E+01	1.56E+01	2.47E+01	2.90E+01	3.15E+01	3.52E+01
1.06E+00	2.15E-01	3.49E+01	1.56E+01	1.55E+01	2.45E+01	2.88E+01	3.13E+01	3.49E+01
1.12E+00	1.77E-01	3.46E+01	1.54E+01	1.53E+01	2.43E+01	2.85E+01	3.10E+01	3.45E+01
1.19E+00	1.44E-01	3.42E+01	1.52E+01	1.52E+01	2.41E+01	2.83E+01	3.07E+01	3.42E+01
1.25E+00	1.15E-01	3.39E+01	1.50E+01	1.50E+01	2.39E+01	2.80E+01	3.04E+01	3.38E+01
1.33E+00	9.16E-02	3.35E+01	1.48E+01	1.48E+01	2.37E+01	2.77E+01	3.01E+01	3.34E+01
1.40E+00	7.17E-02	3.31E+01	1.46E+01	1.46E+01	2.34E+01	2.74E+01	2.98E+01	3.30E+01
1.49E+00	5.53E-02	3.26E+01	1.44E+01	1.44E+01	2.32E+01	2.71E+01	2.95E+01	3.26E+01
1.57E+00	4.20E-02	3.22E+01	1.42E+01	1.42E+01	2.29E+01	2.67E+01	2.91E+01	3.22E+01
1.66E+00	3.14E-02	3.17E+01	1.40E+01	1.40E+01	2.26E+01	2.64E+01	2.88E+01	3.17E+01
1.76E+00	2.31E-02	3.12E+01	1.38E+01	1.38E+01	2.23E+01	2.60E+01	2.84E+01	3.12E+01
1.86E+00	1.67E-02	3.07E+01	1.35E+01	1.36E+01	2.20E+01	2.56E+01	2.80E+01	3.07E+01
1.97E+00	1.18E-02	3.02E+01	1.33E+01	1.33E+01	2.17E+01	2.52E+01	2.76E+01	3.02E+01
2.09E+00	8.22E-03	2.97E+01	1.30E+01	1.30E+01	2.13E+01	2.48E+01	2.71E+01	2.97E+01
2.21E+00	5.59E-03	2.91E+01	1.28E+01	1.27E+01	2.10E+01	2.44E+01	2.67E+01	2.91E+01
2.34E+00	3.72E-03	2.85E+01	1.25E+01	1.24E+01	2.06E+01	2.40E+01	2.62E+01	2.85E+01
2.47E+00	2.42E-03	2.79E+01	1.22E+01	1.20E+01	2.02E+01	2.35E+01	2.57E+01	2.79E+01
2.62E+00	1.53E-03	2.73E+01	1.20E+01	1.17E+01	1.98E+01	2.30E+01	2.52E+01	2.73E+01
2.77E+00	9.43E-04	2.66E+01	1.17E+01	1.14E+01	1.93E+01	2.25E+01	2.47E+01	2.66E+01
2.93E+00	5.65E-04	2.60E+01	1.14E+01	1.12E+01	1.89E+01	2.20E+01	2.41E+01	2.60E+01
3.00E+00	4.56E-04	2.57E+01	1.12E+01	1.10E+01	1.87E+01	2.18E+01	2.39E+01	2.57E+01
3.10E+00	3.29E-04	2.53E+01	1.10E+01	1.09E+01	1.84E+01	2.15E+01	2.36E+01	2.53E+01
3.28E+00	1.85E-04	2.46E+01	1.07E+01	1.06E+01	1.79E+01	2.10E+01	2.30E+01	2.46E+01
3.48E+00	1.01E-04	2.38E+01	1.04E+01	1.03E+01	1.74E+01	2.04E+01	2.24E+01	2.38E+01
3.68E+00	5.32E-05	2.31E+01	1.01E+01	9.98E+00	1.68E+01	1.98E+01	2.18E+01	2.31E+01
3.89E+00	2.70E-05	2.23E+01	9.72E+00	9.67E+00	1.61E+01	1.92E+01	2.11E+01	2.23E+01
4.12E+00	1.32E-05	2.15E+01	9.38E+00	9.35E+00	1.56E+01	1.86E+01	2.05E+01	2.15E+01
4.36E+00	6.15E-06	2.07E+01	9.03E+00	9.01E+00	1.51E+01	1.80E+01	1.98E+01	2.07E+01
4.61E+00	2.75E-06	1.99E+01	8.67E+00	8.64E+00	1.46E+01	1.74E+01	1.91E+01	1.99E+01
4.88E+00	1.17E-06	1.91E+01	8.31E+00	8.29E+00	1.41E+01	1.67E+01	1.84E+01	1.91E+01
5.17E+00	4.76E-07	1.83E+01	7.95E+00	7.95E+00	1.35E+01	1.61E+01	1.77E+01	1.83E+01
5.47E+00	1.83E-07	1.74E+01	7.58E+00	7.60E+00	1.30E+01	1.54E+01	1.70E+01	1.74E+01
5.78E+00	6.68E-08	1.66E+01	7.21E+00	7.25E+00	1.25E+01	1.47E+01	1.63E+01	1.66E+01
6.12E+00	2.30E-08	1.58E+01	6.85E+00	6.90E+00	1.19E+01	1.40E+01	1.55E+01	1.58E+01
6.48E+00	7.41E-09	1.51E+01	6.48E+00	6.54E+00	1.13E+01	1.33E+01	1.48E+01	1.51E+01
6.86E+00	2.24E-09	1.43E+01	6.11E+00	6.19E+00	1.07E+01	1.26E+01	1.40E+01	1.43E+01
7.26E+00	6.31E-10	1.36E+01	5.75E+00	5.83E+00	1.01E+01	1.19E+01	1.32E+01	1.36E+01
7.68E+00	1.65E-10	1.28E+01	5.39E+00	5.48E+00	9.59E+00	1.12E+01	1.24E+01	1.28E+01
8.13E+00	4.00E-11	1.21E+01	5.03E+00	5.05E+00	9.00E+00	1.06E+01	1.16E+01	1.21E+01
8.60E+00	8.93E-12	1.14E+01	4.68E+00	4.63E+00	8.39E+00	9.87E+00	1.09E+01	1.14E+01
9.10E+00	1.82E-12	1.06E+01	4.34E+00	4.30E+00	7.80E+00	9.19E+00	1.01E+01	1.06E+01
9.63E+00	3.40E-13	9.90E+00	4.01E+00	3.97E+00	7.26E+00	8.52E+00	9.41E+00	9.90E+00
1.00E+01	0.00E+00	9.42E+00	3.79E+00	3.76E+00	6.91E+00	8.09E+00	8.94E+00	9.42E+00
1.02E+01	0.00E+00	9.19E+00	3.68E+00	3.65E+00	6.73E+00	7.87E+00	8.71E+00	9.18E+00
1.08E+01	0.00E+00	8.49E+00	3.37E+00	3.34E+00	6.22E+00	7.24E+00	8.02E+00	8.48E+00

1.14E+01	0.00E+00	7.80E+00	3.07E+00	3.04E+00	5.72E+00	6.62E+00	7.35E+00	7.80E+00
1.21E+01	0.00E+00	7.14E+00	2.78E+00	2.76E+00	5.23E+00	6.02E+00	6.70E+00	7.14E+00
1.28E+01	0.00E+00	6.50E+00	2.50E+00	2.49E+00	4.77E+00	5.45E+00	6.07E+00	6.50E+00
1.35E+01	0.00E+00	5.89E+00	2.24E+00	2.23E+00	4.32E+00	4.87E+00	5.48E+00	5.88E+00
1.43E+01	0.00E+00	5.30E+00	1.99E+00	1.99E+00	3.89E+00	4.30E+00	4.91E+00	5.30E+00
1.51E+01	0.00E+00	4.74E+00	1.76E+00	1.77E+00	3.47E+00	3.78E+00	4.37E+00	4.74E+00
1.60E+01	0.00E+00	4.21E+00	1.55E+00	1.55E+00	3.08E+00	3.29E+00	3.87E+00	4.21E+00
1.70E+01	0.00E+00	3.72E+00	1.35E+00	1.36E+00	2.71E+00	2.87E+00	3.40E+00	3.72E+00
1.80E+01	0.00E+00	3.26E+00	1.17E+00	1.18E+00	2.37E+00	2.51E+00	2.96E+00	3.26E+00
1.90E+01	0.00E+00	2.83E+00	1.00E+00	1.01E+00	2.05E+00	2.18E+00	2.56E+00	2.83E+00
2.01E+01	0.00E+00	2.44E+00	8.53E-01	8.61E-01	1.74E+00	1.88E+00	2.20E+00	2.44E+00
2.13E+01	0.00E+00	2.09E+00	7.19E-01	7.13E-01	1.48E+00	1.60E+00	1.87E+00	2.09E+00
2.25E+01	0.00E+00	1.77E+00	6.01E-01	5.82E-01	1.25E+00	1.36E+00	1.57E+00	1.77E+00
2.38E+01	0.00E+00	1.49E+00	4.97E-01	4.79E-01	1.05E+00	1.13E+00	1.31E+00	1.49E+00
2.52E+01	0.00E+00	1.23E+00	4.06E-01	3.92E-01	8.71E-01	9.31E-01	1.08E+00	1.23E+00
2.67E+01	0.00E+00	1.01E+00	3.29E-01	3.17E-01	7.14E-01	7.63E-01	8.81E-01	1.01E+00
2.82E+01	0.00E+00	8.23E-01	2.63E-01	2.53E-01	5.79E-01	6.20E-01	7.10E-01	8.23E-01
2.99E+01	0.00E+00	6.60E-01	2.07E-01	1.99E-01	4.63E-01	4.98E-01	5.65E-01	6.60E-01
3.00E+01	0.00E+00	6.50E-01	2.03E-01	1.95E-01	4.55E-01	4.90E-01	5.55E-01	6.50E-01
3.16E+01	0.00E+00	5.23E-01	1.61E-01	1.55E-01	3.65E-01	3.94E-01	4.44E-01	5.23E-01
3.35E+01	0.00E+00	4.09E-01	1.23E-01	1.19E-01	2.85E-01	3.03E-01	3.47E-01	4.08E-01
3.54E+01	0.00E+00	3.14E-01	9.32E-02	9.01E-02	2.17E-01	2.33E-01	2.67E-01	3.14E-01
3.75E+01	0.00E+00	2.38E-01	6.92E-02	6.57E-02	1.63E-01	1.77E-01	2.02E-01	2.38E-01
3.97E+01	0.00E+00	1.78E-01	5.06E-02	4.68E-02	1.21E-01	1.32E-01	1.51E-01	1.78E-01
4.20E+01	0.00E+00	1.30E-01	3.63E-02	3.29E-02	8.88E-02	9.68E-02	1.11E-01	1.30E-01
4.44E+01	0.00E+00	9.38E-02	2.55E-02	2.18E-02	6.26E-02	6.96E-02	7.98E-02	9.38E-02
4.70E+01	0.00E+00	6.62E-02	1.76E-02	1.39E-02	4.39E-02	4.90E-02	5.64E-02	6.62E-02
4.97E+01	0.00E+00	4.58E-02	1.19E-02	8.78E-03	3.04E-02	3.37E-02	3.90E-02	4.58E-02
5.26E+01	0.00E+00	3.10E-02	7.80E-03	5.37E-03	2.06E-02	2.27E-02	2.64E-02	3.10E-02
5.57E+01	0.00E+00	2.05E-02	5.01E-03	3.28E-03	1.36E-02	1.50E-02	1.75E-02	2.05E-02
5.90E+01	0.00E+00	1.32E-02	3.13E-03	1.94E-03	8.79E-03	9.62E-03	1.13E-02	1.32E-02
6.24E+01	0.00E+00	8.29E-03	1.90E-03	1.12E-03	5.52E-03	6.02E-03	7.12E-03	8.29E-03
6.60E+01	0.00E+00	5.07E-03	1.12E-03	5.79E-04	3.35E-03	3.68E-03	4.37E-03	5.06E-03
6.99E+01	0.00E+00	3.00E-03	6.44E-04	2.72E-04	1.98E-03	2.20E-03	2.60E-03	3.00E-03
7.39E+01	0.00E+00	1.73E-03	3.58E-04	1.12E-04	1.13E-03	1.27E-03	1.50E-03	1.73E-03
7.82E+01	0.00E+00	9.59E-04	1.92E-04	4.23E-05	6.21E-04	7.13E-04	8.39E-04	9.58E-04
8.28E+01	0.00E+00	5.14E-04	9.89E-05	1.13E-05	3.30E-04	3.86E-04	4.53E-04	5.14E-04
8.76E+01	0.00E+00	2.65E-04	4.89E-05	2.57E-06	1.69E-04	2.02E-04	2.36E-04	2.65E-04
9.27E+01	0.00E+00	1.31E-04	2.32E-05	1.69E-07	8.28E-05	1.02E-04	1.18E-04	1.31E-04
9.81E+01	0.00E+00	6.21E-05	1.06E-05	8.65E-12	3.89E-05	4.93E-05	5.68E-05	6.21E-05
1.00E+02	0.00E+00	4.79E-05	8.07E-06	2.19E-12	2.99E-05	3.82E-05	4.41E-05	4.79E-05
1.04E+02	0.00E+00	2.81E-05	4.59E-06	1.86E-13	1.75E-05	2.26E-05	2.61E-05	2.81E-05
1.10E+02	0.00E+00	1.23E-05	1.89E-06	7.68E-21	7.59E-06	9.85E-06	1.13E-05	1.23E-05
1.16E+02	0.00E+00	5.12E-06	7.46E-07	0.00E+00	3.13E-06	4.11E-06	4.65E-06	5.12E-06
1.23E+02	0.00E+00	2.02E-06	2.78E-07	0.00E+00	1.22E-06	1.62E-06	1.81E-06	2.02E-06
1.30E+02	0.00E+00	7.53E-07	9.67E-08	0.00E+00	4.45E-07	6.04E-07	6.57E-07	7.52E-07
1.38E+02	0.00E+00	2.64E-07	3.18E-08	0.00E+00	1.46E-07	2.11E-07	2.30E-07	2.63E-07
1.46E+02	0.00E+00	8.65E-08	9.57E-09	0.00E+00	4.37E-08	6.60E-08	7.58E-08	8.64E-08
1.54E+02	0.00E+00	2.64E-08	2.64E-09	0.00E+00	1.19E-08	2.03E-08	2.33E-08	2.64E-08
1.63E+02	0.00E+00	7.46E-09	6.51E-10	0.00E+00	3.13E-09	5.70E-09	6.58E-09	7.45E-09
1.73E+02	0.00E+00	1.93E-09	1.47E-10	0.00E+00	5.71E-10	1.42E-09	1.70E-09	1.93E-09

1.83E+02	0.00E+00	4.52E-10	3.09E-11	0.00E+00	1.26E-10	3.10E-10	3.93E-10	4.52E-10
1.94E+02	0.00E+00	9.45E-11	5.66E-12	0.00E+00	6.98E-12	5.69E-11	8.08E-11	9.44E-11
2.05E+02	0.00E+00	1.71E-11	8.55E-13	0.00E+00	5.13E-13	1.04E-11	1.46E-11	1.71E-11
2.17E+02	0.00E+00	2.51E-12	1.09E-13	0.00E+00	3.14E-17	1.20E-12	2.17E-12	2.51E-12
2.29E+02	0.00E+00	3.24E-13	9.52E-15	0.00E+00	0.00E+00	1.85E-14	2.48E-13	3.23E-13
2.43E+02	0.00E+00	4.50E-14	5.78E-16	0.00E+00	0.00E+00	0.00E+00	5.60E-15	4.47E-14
2.57E+02	0.00E+00	4.98E-15	4.98E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-15
2.72E+02	0.00E+00	3.06E-16	3.06E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-16
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.00E+03	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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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	3.37E+00	4.03E+01	1.88E+01	1.94E+01	2.86E+01	3.00E+01	3.56E+01	4.03E+01
1.00E+00	1.10E-02	3.50E+01	1.55E+01	1.63E+01	2.44E+01	2.63E+01	3.11E+01	3.50E+01
1.06E+00	7.89E-03	3.47E+01	1.54E+01	1.61E+01	2.42E+01	2.61E+01	3.09E+01	3.47E+01
1.12E+00	5.54E-03	3.44E+01	1.52E+01	1.59E+01	2.39E+01	2.58E+01	3.06E+01	3.44E+01
1.19E+00	3.81E-03	3.41E+01	1.50E+01	1.58E+01	2.37E+01	2.56E+01	3.03E+01	3.41E+01
1.25E+00	2.57E-03	3.38E+01	1.48E+01	1.56E+01	2.35E+01	2.54E+01	3.01E+01	3.38E+01
1.33E+00	1.69E-03	3.35E+01	1.46E+01	1.54E+01	2.32E+01	2.51E+01	2.98E+01	3.34E+01
1.40E+00	1.09E-03	3.31E+01	1.45E+01	1.52E+01	2.29E+01	2.49E+01	2.95E+01	3.31E+01
1.49E+00	6.80E-04	3.27E+01	1.43E+01	1.50E+01	2.26E+01	2.46E+01	2.91E+01	3.27E+01
1.57E+00	4.14E-04	3.23E+01	1.40E+01	1.48E+01	2.23E+01	2.43E+01	2.88E+01	3.23E+01
1.66E+00	2.45E-04	3.19E+01	1.38E+01	1.45E+01	2.20E+01	2.40E+01	2.84E+01	3.19E+01
1.76E+00	1.41E-04	3.15E+01	1.36E+01	1.43E+01	2.17E+01	2.37E+01	2.81E+01	3.15E+01
1.86E+00	7.82E-05	3.10E+01	1.34E+01	1.40E+01	2.13E+01	2.34E+01	2.77E+01	3.10E+01
1.97E+00	4.20E-05	3.06E+01	1.31E+01	1.38E+01	2.10E+01	2.31E+01	2.73E+01	3.06E+01
2.09E+00	2.18E-05	3.01E+01	1.29E+01	1.35E+01	2.06E+01	2.27E+01	2.69E+01	3.01E+01
2.21E+00	1.08E-05	2.96E+01	1.26E+01	1.32E+01	2.02E+01	2.24E+01	2.64E+01	2.96E+01
2.34E+00	5.19E-06	2.90E+01	1.23E+01	1.28E+01	1.99E+01	2.20E+01	2.60E+01	2.90E+01
2.47E+00	2.38E-06	2.85E+01	1.21E+01	1.25E+01	1.94E+01	2.16E+01	2.55E+01	2.85E+01
2.62E+00	1.04E-06	2.79E+01	1.18E+01	1.21E+01	1.90E+01	2.12E+01	2.50E+01	2.79E+01
2.77E+00	4.36E-07	2.73E+01	1.15E+01	1.17E+01	1.86E+01	2.07E+01	2.45E+01	2.73E+01
2.93E+00	1.73E-07	2.67E+01	1.12E+01	1.12E+01	1.81E+01	2.03E+01	2.40E+01	2.67E+01
3.00E+00	1.17E-07	2.65E+01	1.11E+01	1.11E+01	1.80E+01	2.01E+01	2.38E+01	2.65E+01
3.10E+00	6.50E-08	2.61E+01	1.09E+01	1.08E+01	1.77E+01	1.98E+01	2.35E+01	2.61E+01
3.28E+00	2.31E-08	2.54E+01	1.06E+01	1.06E+01	1.72E+01	1.94E+01	2.29E+01	2.54E+01
3.48E+00	7.73E-09	2.48E+01	1.03E+01	1.03E+01	1.67E+01	1.89E+01	2.23E+01	2.48E+01
3.68E+00	2.43E-09	2.41E+01	9.93E+00	9.99E+00	1.62E+01	1.84E+01	2.17E+01	2.41E+01
3.89E+00	7.12E-10	2.34E+01	9.60E+00	9.61E+00	1.58E+01	1.79E+01	2.11E+01	2.34E+01
4.12E+00	1.94E-10	2.26E+01	9.26E+00	9.18E+00	1.53E+01	1.73E+01	2.05E+01	2.26E+01
4.36E+00	4.92E-11	2.19E+01	8.92E+00	8.81E+00	1.48E+01	1.68E+01	1.98E+01	2.19E+01
4.61E+00	1.15E-11	2.11E+01	8.57E+00	8.51E+00	1.43E+01	1.62E+01	1.92E+01	2.11E+01
4.88E+00	2.47E-12	2.04E+01	8.21E+00	8.21E+00	1.38E+01	1.57E+01	1.85E+01	2.03E+01
5.17E+00	4.85E-13	1.96E+01	7.85E+00	7.85E+00	1.32E+01	1.51E+01	1.78E+01	1.96E+01
5.47E+00	8.66E-14	1.88E+01	7.49E+00	7.46E+00	1.27E+01	1.45E+01	1.71E+01	1.87E+01
5.78E+00	1.40E-14	1.79E+01	7.13E+00	7.11E+00	1.22E+01	1.39E+01	1.64E+01	1.79E+01
6.12E+00	2.03E-15	1.71E+01	6.77E+00	6.80E+00	1.16E+01	1.33E+01	1.56E+01	1.71E+01
6.48E+00	2.64E-16	1.63E+01	6.40E+00	6.48E+00	1.11E+01	1.27E+01	1.49E+01	1.63E+01
6.86E+00	3.04E-17	1.54E+01	6.04E+00	6.15E+00	1.05E+01	1.20E+01	1.42E+01	1.54E+01
7.26E+00	3.09E-18	1.46E+01	5.68E+00	5.75E+00	9.94E+00	1.14E+01	1.34E+01	1.46E+01
7.68E+00	2.75E-19	1.38E+01	5.32E+00	5.34E+00	9.38E+00	1.08E+01	1.27E+01	1.38E+01
8.13E+00	2.12E-20	1.30E+01	4.97E+00	5.01E+00	8.83E+00	1.02E+01	1.19E+01	1.29E+01
8.60E+00	1.41E-21	1.21E+01	4.63E+00	4.70E+00	8.27E+00	9.55E+00	1.12E+01	1.21E+01
9.10E+00	8.03E-23	1.14E+01	4.29E+00	4.39E+00	7.72E+00	8.93E+00	1.05E+01	1.14E+01
9.63E+00	3.86E-24	1.06E+01	3.96E+00	4.06E+00	7.18E+00	8.32E+00	9.72E+00	1.06E+01
1.00E+01	4.63E-25	1.00E+01	3.74E+00	3.82E+00	6.83E+00	7.92E+00	9.24E+00	1.00E+01
1.02E+01	1.56E-25	9.79E+00	3.63E+00	3.70E+00	6.65E+00	7.72E+00	9.00E+00	9.79E+00
1.08E+01	0.00E+00	9.04E+00	3.32E+00	3.36E+00	6.13E+00	7.12E+00	8.30E+00	9.04E+00

1.14E+01	0.00E+00	8.30E+00	3.02E+00	3.03E+00	5.63E+00	6.54E+00	7.62E+00	8.30E+00
1.21E+01	0.00E+00	7.59E+00	2.74E+00	2.71E+00	5.14E+00	5.97E+00	6.96E+00	7.59E+00
1.28E+01	0.00E+00	6.90E+00	2.46E+00	2.39E+00	4.68E+00	5.43E+00	6.32E+00	6.90E+00
1.35E+01	0.00E+00	6.24E+00	2.20E+00	2.10E+00	4.23E+00	4.91E+00	5.71E+00	6.24E+00
1.43E+01	0.00E+00	5.61E+00	1.96E+00	1.85E+00	3.80E+00	4.41E+00	5.12E+00	5.60E+00
1.51E+01	0.00E+00	5.01E+00	1.73E+00	1.62E+00	3.40E+00	3.93E+00	4.57E+00	5.01E+00
1.60E+01	0.00E+00	4.44E+00	1.52E+00	1.41E+00	3.02E+00	3.49E+00	4.05E+00	4.44E+00
1.70E+01	0.00E+00	3.92E+00	1.32E+00	1.22E+00	2.67E+00	3.07E+00	3.57E+00	3.91E+00
1.80E+01	0.00E+00	3.43E+00	1.14E+00	1.04E+00	2.33E+00	2.69E+00	3.12E+00	3.42E+00
1.90E+01	0.00E+00	2.97E+00	9.82E-01	8.81E-01	2.03E+00	2.33E+00	2.70E+00	2.97E+00
2.01E+01	0.00E+00	2.56E+00	8.35E-01	7.36E-01	1.75E+00	2.00E+00	2.32E+00	2.56E+00
2.13E+01	0.00E+00	2.18E+00	7.03E-01	6.08E-01	1.49E+00	1.71E+00	1.98E+00	2.18E+00
2.25E+01	0.00E+00	1.85E+00	5.87E-01	4.96E-01	1.26E+00	1.45E+00	1.67E+00	1.84E+00
2.38E+01	0.00E+00	1.54E+00	4.85E-01	4.03E-01	1.06E+00	1.22E+00	1.39E+00	1.54E+00
2.52E+01	0.00E+00	1.28E+00	3.96E-01	3.25E-01	8.80E-01	1.01E+00	1.15E+00	1.28E+00
2.67E+01	0.00E+00	1.05E+00	3.20E-01	2.59E-01	7.22E-01	8.33E-01	9.43E-01	1.05E+00
2.82E+01	0.00E+00	8.49E-01	2.56E-01	2.03E-01	5.86E-01	6.77E-01	7.62E-01	8.48E-01
2.99E+01	0.00E+00	6.79E-01	2.02E-01	1.54E-01	4.69E-01	5.44E-01	6.08E-01	6.78E-01
3.00E+01	0.00E+00	6.68E-01	1.98E-01	1.50E-01	4.62E-01	5.35E-01	5.98E-01	6.67E-01
3.16E+01	0.00E+00	5.36E-01	1.57E-01	1.15E-01	3.71E-01	4.31E-01	4.79E-01	5.35E-01
3.35E+01	0.00E+00	4.17E-01	1.20E-01	8.46E-02	2.90E-01	3.38E-01	3.72E-01	4.17E-01
3.54E+01	0.00E+00	3.20E-01	9.08E-02	6.23E-02	2.23E-01	2.60E-01	2.84E-01	3.20E-01
3.75E+01	0.00E+00	2.42E-01	6.75E-02	4.42E-02	1.69E-01	1.98E-01	2.14E-01	2.41E-01
3.97E+01	0.00E+00	1.80E-01	4.92E-02	3.07E-02	1.26E-01	1.48E-01	1.59E-01	1.79E-01
4.20E+01	0.00E+00	1.31E-01	3.53E-02	2.07E-02	9.21E-02	1.09E-01	1.15E-01	1.31E-01
4.44E+01	0.00E+00	9.39E-02	2.48E-02	1.37E-02	6.62E-02	7.86E-02	8.29E-02	9.38E-02
4.70E+01	0.00E+00	6.60E-02	1.71E-02	8.84E-03	4.67E-02	5.55E-02	5.86E-02	6.59E-02
4.97E+01	0.00E+00	4.54E-02	1.15E-02	5.43E-03	3.22E-02	3.85E-02	4.05E-02	4.54E-02
5.26E+01	0.00E+00	3.05E-02	7.59E-03	3.23E-03	2.18E-02	2.61E-02	2.75E-02	3.05E-02
5.57E+01	0.00E+00	2.01E-02	4.88E-03	1.92E-03	1.44E-02	1.73E-02	1.82E-02	2.01E-02
5.90E+01	0.00E+00	1.29E-02	3.06E-03	1.09E-03	9.20E-03	1.12E-02	1.18E-02	1.29E-02
6.24E+01	0.00E+00	8.03E-03	1.87E-03	5.88E-04	5.68E-03	7.07E-03	7.43E-03	8.03E-03
6.60E+01	0.00E+00	4.87E-03	1.11E-03	2.99E-04	3.44E-03	4.33E-03	4.56E-03	4.87E-03
6.99E+01	0.00E+00	2.87E-03	6.41E-04	1.45E-04	2.03E-03	2.58E-03	2.72E-03	2.87E-03
7.39E+01	0.00E+00	1.64E-03	3.57E-04	4.83E-05	1.17E-03	1.49E-03	1.57E-03	1.64E-03
7.82E+01	0.00E+00	9.03E-04	1.93E-04	2.02E-05	6.36E-04	8.28E-04	8.82E-04	9.03E-04
8.28E+01	0.00E+00	4.83E-04	9.99E-05	4.47E-06	3.32E-04	4.46E-04	4.75E-04	4.83E-04
8.76E+01	0.00E+00	2.50E-04	4.98E-05	8.28E-07	1.73E-04	2.31E-04	2.46E-04	2.50E-04
9.27E+01	0.00E+00	1.25E-04	2.37E-05	1.73E-07	8.73E-05	1.15E-04	1.22E-04	1.25E-04
9.81E+01	0.00E+00	6.05E-05	1.08E-05	1.60E-08	4.22E-05	5.50E-05	5.86E-05	6.05E-05
1.00E+02	0.00E+00	4.71E-05	8.20E-06	8.51E-09	3.28E-05	4.26E-05	4.54E-05	4.71E-05
1.04E+02	0.00E+00	2.81E-05	4.66E-06	1.43E-09	1.92E-05	2.51E-05	2.68E-05	2.81E-05
1.10E+02	0.00E+00	1.25E-05	1.92E-06	5.59E-14	8.37E-06	1.06E-05	1.17E-05	1.25E-05
1.16E+02	0.00E+00	5.27E-06	7.42E-07	0.00E+00	3.42E-06	4.27E-06	4.83E-06	5.26E-06
1.23E+02	0.00E+00	2.11E-06	2.72E-07	0.00E+00	1.31E-06	1.61E-06	1.88E-06	2.11E-06
1.30E+02	0.00E+00	8.01E-07	9.43E-08	0.00E+00	4.68E-07	5.64E-07	6.90E-07	8.00E-07
1.38E+02	0.00E+00	2.86E-07	3.08E-08	0.00E+00	1.57E-07	1.95E-07	2.36E-07	2.86E-07
1.46E+02	0.00E+00	9.61E-08	9.43E-09	0.00E+00	5.07E-08	6.48E-08	7.52E-08	9.59E-08
1.54E+02	0.00E+00	3.01E-08	2.66E-09	0.00E+00	1.36E-08	1.87E-08	2.25E-08	3.00E-08
1.63E+02	0.00E+00	8.75E-09	6.73E-10	0.00E+00	3.23E-09	4.97E-09	6.32E-09	8.73E-09
1.73E+02	0.00E+00	2.34E-09	1.49E-10	0.00E+00	6.35E-10	1.15E-09	1.62E-09	2.34E-09
1.83E+02	0.00E+00	5.75E-10	2.79E-11	0.00E+00	5.85E-11	2.67E-10	3.71E-10	5.73E-10

1.94E+02	0.00E+00	1.27E-10	4.66E-12	0.00E+00	1.14E-12	5.59E-11	7.37E-11	1.27E-10
2.05E+02	0.00E+00	2.51E-11	7.34E-13	0.00E+00	1.40E-18	9.00E-12	1.21E-11	2.49E-11
2.17E+02	0.00E+00	4.26E-12	9.22E-14	0.00E+00	0.00E+00	6.38E-14	1.83E-12	4.24E-12
2.29E+02	0.00E+00	5.88E-13	9.34E-15	0.00E+00	0.00E+00	3.80E-21	1.68E-13	5.84E-13
2.43E+02	0.00E+00	4.92E-14	5.02E-16	0.00E+00	0.00E+00	0.00E+00	5.16E-16	4.87E-14
2.57E+02	0.00E+00	5.09E-17	5.09E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-17
2.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.00E+03	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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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	3.36E+00	5.13E+01	1.92E+01	1.92E+01	3.00E+01	3.31E+01	3.86E+01	5.12E+01
1.00E+00	1.50E-02	4.48E+01	1.59E+01	1.55E+01	2.53E+01	2.88E+01	3.37E+01	4.47E+01
1.06E+00	1.10E-02	4.45E+01	1.58E+01	1.53E+01	2.51E+01	2.86E+01	3.34E+01	4.44E+01
1.12E+00	7.85E-03	4.41E+01	1.56E+01	1.51E+01	2.49E+01	2.84E+01	3.31E+01	4.40E+01
1.19E+00	5.52E-03	4.37E+01	1.54E+01	1.49E+01	2.47E+01	2.81E+01	3.28E+01	4.36E+01
1.25E+00	3.80E-03	4.33E+01	1.52E+01	1.47E+01	2.44E+01	2.79E+01	3.25E+01	4.32E+01
1.33E+00	2.56E-03	4.29E+01	1.50E+01	1.45E+01	2.41E+01	2.76E+01	3.22E+01	4.28E+01
1.40E+00	1.68E-03	4.25E+01	1.48E+01	1.43E+01	2.38E+01	2.73E+01	3.19E+01	4.23E+01
1.49E+00	1.08E-03	4.20E+01	1.46E+01	1.42E+01	2.35E+01	2.70E+01	3.15E+01	4.19E+01
1.57E+00	6.77E-04	4.15E+01	1.44E+01	1.40E+01	2.31E+01	2.67E+01	3.11E+01	4.14E+01
1.66E+00	4.12E-04	4.10E+01	1.42E+01	1.38E+01	2.28E+01	2.64E+01	3.07E+01	4.09E+01
1.76E+00	2.44E-04	4.04E+01	1.39E+01	1.37E+01	2.25E+01	2.60E+01	3.03E+01	4.04E+01
1.86E+00	1.40E-04	3.99E+01	1.37E+01	1.35E+01	2.21E+01	2.57E+01	2.99E+01	3.98E+01
1.97E+00	7.78E-05	3.93E+01	1.34E+01	1.33E+01	2.18E+01	2.53E+01	2.95E+01	3.92E+01
2.09E+00	4.18E-05	3.87E+01	1.32E+01	1.31E+01	2.14E+01	2.49E+01	2.90E+01	3.86E+01
2.21E+00	2.16E-05	3.81E+01	1.29E+01	1.27E+01	2.10E+01	2.45E+01	2.85E+01	3.80E+01
2.34E+00	1.08E-05	3.74E+01	1.26E+01	1.25E+01	2.06E+01	2.41E+01	2.80E+01	3.73E+01
2.47E+00	5.16E-06	3.67E+01	1.23E+01	1.23E+01	2.02E+01	2.37E+01	2.75E+01	3.66E+01
2.62E+00	2.37E-06	3.60E+01	1.20E+01	1.20E+01	1.98E+01	2.32E+01	2.70E+01	3.59E+01
2.77E+00	1.04E-06	3.53E+01	1.17E+01	1.17E+01	1.93E+01	2.27E+01	2.64E+01	3.52E+01
2.93E+00	4.33E-07	3.45E+01	1.14E+01	1.12E+01	1.88E+01	2.22E+01	2.58E+01	3.44E+01
3.00E+00	3.00E-07	3.42E+01	1.13E+01	1.10E+01	1.87E+01	2.20E+01	2.56E+01	3.41E+01
3.10E+00	1.72E-07	3.37E+01	1.11E+01	1.09E+01	1.84E+01	2.17E+01	2.52E+01	3.37E+01
3.28E+00	6.46E-08	3.29E+01	1.08E+01	1.06E+01	1.79E+01	2.12E+01	2.46E+01	3.28E+01
3.48E+00	2.30E-08	3.21E+01	1.04E+01	1.03E+01	1.75E+01	2.07E+01	2.40E+01	3.20E+01
3.68E+00	7.68E-09	3.12E+01	1.01E+01	9.96E+00	1.70E+01	2.01E+01	2.33E+01	3.11E+01
3.89E+00	2.41E-09	3.03E+01	9.74E+00	9.62E+00	1.65E+01	1.95E+01	2.27E+01	3.02E+01
4.12E+00	7.07E-10	2.94E+01	9.38E+00	9.27E+00	1.60E+01	1.90E+01	2.20E+01	2.93E+01
4.36E+00	1.93E-10	2.85E+01	9.02E+00	8.91E+00	1.55E+01	1.84E+01	2.13E+01	2.84E+01
4.61E+00	4.89E-11	2.75E+01	8.66E+00	8.56E+00	1.49E+01	1.77E+01	2.05E+01	2.74E+01
4.88E+00	1.14E-11	2.65E+01	8.29E+00	8.20E+00	1.44E+01	1.71E+01	1.98E+01	2.65E+01
5.17E+00	2.45E-12	2.55E+01	7.92E+00	7.84E+00	1.39E+01	1.65E+01	1.90E+01	2.55E+01
5.47E+00	4.81E-13	2.45E+01	7.55E+00	7.48E+00	1.33E+01	1.58E+01	1.83E+01	2.44E+01
5.78E+00	8.60E-14	2.35E+01	7.17E+00	7.11E+00	1.27E+01	1.51E+01	1.75E+01	2.34E+01
6.12E+00	1.39E-14	2.24E+01	6.80E+00	6.75E+00	1.20E+01	1.45E+01	1.67E+01	2.24E+01
6.48E+00	2.02E-15	2.14E+01	6.42E+00	6.37E+00	1.14E+01	1.38E+01	1.59E+01	2.13E+01
6.86E+00	2.62E-16	2.03E+01	6.05E+00	5.98E+00	1.08E+01	1.31E+01	1.51E+01	2.03E+01
7.26E+00	3.01E-17	1.92E+01	5.68E+00	5.59E+00	1.02E+01	1.24E+01	1.43E+01	1.92E+01
7.68E+00	3.06E-18	1.82E+01	5.32E+00	5.24E+00	9.64E+00	1.17E+01	1.35E+01	1.81E+01
8.13E+00	2.72E-19	1.71E+01	4.96E+00	4.91E+00	9.08E+00	1.11E+01	1.27E+01	1.71E+01
8.60E+00	2.10E-20	1.60E+01	4.61E+00	4.57E+00	8.52E+00	1.04E+01	1.19E+01	1.60E+01
9.10E+00	1.40E-21	1.50E+01	4.27E+00	4.20E+00	7.97E+00	9.69E+00	1.11E+01	1.50E+01
9.63E+00	7.95E-23	1.40E+01	3.93E+00	3.79E+00	7.42E+00	9.02E+00	1.03E+01	1.39E+01
1.00E+01	0.00E+00	1.33E+01	3.72E+00	3.53E+00	7.06E+00	8.58E+00	9.79E+00	1.32E+01
1.02E+01	0.00E+00	1.29E+01	3.61E+00	3.42E+00	6.89E+00	8.36E+00	9.54E+00	1.29E+01
1.08E+01	0.00E+00	1.19E+01	3.30E+00	3.13E+00	6.36E+00	7.72E+00	8.79E+00	1.19E+01

1.14E+01	0.00E+00	1.10E+01	3.00E+00	2.86E+00	5.86E+00	7.09E+00	8.06E+00	1.09E+01
1.21E+01	0.00E+00	1.00E+01	2.71E+00	2.56E+00	5.36E+00	6.49E+00	7.36E+00	9.99E+00
1.28E+01	0.00E+00	9.11E+00	2.44E+00	2.29E+00	4.88E+00	5.90E+00	6.68E+00	9.08E+00
1.35E+01	0.00E+00	8.23E+00	2.18E+00	2.04E+00	4.41E+00	5.33E+00	6.03E+00	8.21E+00
1.43E+01	0.00E+00	7.40E+00	1.94E+00	1.80E+00	3.96E+00	4.80E+00	5.41E+00	7.38E+00
1.51E+01	0.00E+00	6.61E+00	1.71E+00	1.57E+00	3.54E+00	4.29E+00	4.82E+00	6.59E+00
1.60E+01	0.00E+00	5.87E+00	1.50E+00	1.37E+00	3.14E+00	3.80E+00	4.27E+00	5.85E+00
1.70E+01	0.00E+00	5.17E+00	1.31E+00	1.20E+00	2.76E+00	3.35E+00	3.75E+00	5.16E+00
1.80E+01	0.00E+00	4.52E+00	1.13E+00	1.04E+00	2.41E+00	2.93E+00	3.28E+00	4.51E+00
1.90E+01	0.00E+00	3.92E+00	9.67E-01	8.79E-01	2.09E+00	2.55E+00	2.84E+00	3.92E+00
2.01E+01	0.00E+00	3.38E+00	8.21E-01	7.39E-01	1.80E+00	2.19E+00	2.44E+00	3.37E+00
2.13E+01	0.00E+00	2.88E+00	6.92E-01	6.30E-01	1.53E+00	1.87E+00	2.07E+00	2.88E+00
2.25E+01	0.00E+00	2.44E+00	5.77E-01	5.30E-01	1.30E+00	1.58E+00	1.75E+00	2.43E+00
2.38E+01	0.00E+00	2.04E+00	4.76E-01	4.38E-01	1.08E+00	1.32E+00	1.47E+00	2.04E+00
2.52E+01	0.00E+00	1.69E+00	3.89E-01	3.54E-01	8.97E-01	1.10E+00	1.22E+00	1.69E+00
2.67E+01	0.00E+00	1.39E+00	3.14E-01	2.79E-01	7.34E-01	9.00E-01	1.00E+00	1.38E+00
2.82E+01	0.00E+00	1.12E+00	2.50E-01	2.16E-01	5.94E-01	7.29E-01	8.14E-01	1.12E+00
2.99E+01	0.00E+00	8.98E-01	1.97E-01	1.65E-01	4.74E-01	5.80E-01	6.53E-01	8.96E-01
3.00E+01	0.00E+00	8.84E-01	1.94E-01	1.62E-01	4.67E-01	5.70E-01	6.43E-01	8.81E-01
3.16E+01	0.00E+00	7.09E-01	1.53E-01	1.26E-01	3.76E-01	4.53E-01	5.17E-01	7.07E-01
3.35E+01	0.00E+00	5.52E-01	1.17E-01	9.40E-02	2.94E-01	3.51E-01	4.04E-01	5.51E-01
3.54E+01	0.00E+00	4.24E-01	8.85E-02	6.97E-02	2.26E-01	2.71E-01	3.11E-01	4.23E-01
3.75E+01	0.00E+00	3.20E-01	6.57E-02	5.07E-02	1.71E-01	2.06E-01	2.36E-01	3.20E-01
3.97E+01	0.00E+00	2.38E-01	4.79E-02	3.56E-02	1.28E-01	1.54E-01	1.76E-01	2.38E-01
4.20E+01	0.00E+00	1.74E-01	3.43E-02	2.45E-02	9.38E-02	1.12E-01	1.29E-01	1.74E-01
4.44E+01	0.00E+00	1.25E-01	2.41E-02	1.64E-02	6.76E-02	8.03E-02	9.27E-02	1.25E-01
4.70E+01	0.00E+00	8.79E-02	1.66E-02	1.06E-02	4.78E-02	5.64E-02	6.55E-02	8.77E-02
4.97E+01	0.00E+00	6.06E-02	1.11E-02	6.36E-03	3.31E-02	3.87E-02	4.53E-02	6.04E-02
5.26E+01	0.00E+00	4.08E-02	7.34E-03	3.89E-03	2.24E-02	2.60E-02	3.06E-02	4.07E-02
5.57E+01	0.00E+00	2.69E-02	4.71E-03	2.18E-03	1.44E-02	1.71E-02	2.03E-02	2.68E-02
5.90E+01	0.00E+00	1.73E-02	2.96E-03	1.25E-03	9.03E-03	1.11E-02	1.31E-02	1.73E-02
6.24E+01	0.00E+00	1.08E-02	1.80E-03	6.09E-04	5.50E-03	6.99E-03	8.22E-03	1.08E-02
6.60E+01	0.00E+00	6.61E-03	1.07E-03	2.61E-04	3.32E-03	4.29E-03	5.02E-03	6.59E-03
6.99E+01	0.00E+00	3.91E-03	6.14E-04	9.28E-05	1.95E-03	2.55E-03	2.98E-03	3.90E-03
7.39E+01	0.00E+00	2.24E-03	3.43E-04	2.27E-05	1.11E-03	1.48E-03	1.72E-03	2.24E-03
7.82E+01	0.00E+00	1.25E-03	1.85E-04	8.84E-06	6.09E-04	8.26E-04	9.56E-04	1.24E-03
8.28E+01	0.00E+00	6.68E-04	9.62E-05	3.24E-06	3.24E-04	4.46E-04	5.13E-04	6.66E-04
8.76E+01	0.00E+00	3.45E-04	4.81E-05	7.96E-07	1.66E-04	2.32E-04	2.65E-04	3.44E-04
9.27E+01	0.00E+00	1.71E-04	2.31E-05	9.91E-08	8.21E-05	1.16E-04	1.32E-04	1.71E-04
9.81E+01	0.00E+00	8.17E-05	1.07E-05	1.78E-11	3.88E-05	5.63E-05	6.25E-05	8.15E-05
1.00E+02	0.00E+00	6.32E-05	8.17E-06	1.04E-11	3.00E-05	4.38E-05	4.83E-05	6.30E-05
1.04E+02	0.00E+00	3.72E-05	4.70E-06	3.58E-12	1.76E-05	2.61E-05	2.85E-05	3.71E-05
1.10E+02	0.00E+00	1.62E-05	1.96E-06	3.95E-16	7.49E-06	1.14E-05	1.25E-05	1.61E-05
1.16E+02	0.00E+00	6.68E-06	7.72E-07	3.30E-28	3.06E-06	4.61E-06	5.19E-06	6.66E-06
1.23E+02	0.00E+00	2.61E-06	2.86E-07	0.00E+00	1.18E-06	1.82E-06	2.04E-06	2.61E-06
1.30E+02	0.00E+00	9.64E-07	9.89E-08	0.00E+00	4.28E-07	6.87E-07	7.63E-07	9.62E-07
1.38E+02	0.00E+00	3.34E-07	3.20E-08	0.00E+00	1.45E-07	2.45E-07	2.68E-07	3.34E-07
1.46E+02	0.00E+00	1.08E-07	9.57E-09	0.00E+00	4.58E-08	8.04E-08	8.79E-08	1.08E-07
1.54E+02	0.00E+00	3.26E-08	2.70E-09	0.00E+00	1.22E-08	2.39E-08	2.68E-08	3.25E-08
1.63E+02	0.00E+00	9.04E-09	7.14E-10	0.00E+00	2.85E-09	6.83E-09	7.62E-09	9.03E-09
1.73E+02	0.00E+00	2.29E-09	1.70E-10	0.00E+00	5.95E-10	1.77E-09	2.03E-09	2.29E-09
1.83E+02	0.00E+00	5.22E-10	3.75E-11	0.00E+00	1.30E-10	3.74E-10	4.94E-10	5.22E-10

1.94E+02	0.00E+00	1.17E-10	7.14E-12	0.00E+00	2.67E-11	6.81E-11	1.03E-10	1.17E-10
2.05E+02	0.00E+00	2.41E-11	1.08E-12	0.00E+00	6.27E-14	1.24E-11	1.87E-11	2.41E-11
2.17E+02	0.00E+00	4.47E-12	1.54E-13	0.00E+00	7.65E-20	1.91E-12	2.93E-12	4.46E-12
2.29E+02	0.00E+00	7.30E-13	1.65E-14	0.00E+00	0.00E+00	1.10E-13	3.18E-13	7.28E-13
2.43E+02	0.00E+00	1.02E-13	1.55E-15	0.00E+00	0.00E+00	1.97E-22	2.55E-14	1.02E-13
2.57E+02	0.00E+00	1.16E-14	1.16E-16	0.00E+00	0.00E+00	0.00E+00	2.63E-24	1.15E-14
2.72E+02	0.00E+00	8.73E-16	8.73E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-16
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5.68E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6.73E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7.97E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.45E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.00E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
========	========	========	========	========	========	========	========	========

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	1.901E+01
2	0.000E+00	1.883E+01
3	0.000E+00	1.920E+01

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.03	12	0.01	13	0.02	13	0.01
Wind Speed	14	0.01	14	0.00	8	0.09	10	0.03
External gamma shielding factor	1	0.85	2	0.62	2	0.86	2	0.58
Inhalation rate	11	0.03	11	0.01	9	0.08	11	0.03
Soil ingestion	4	-0.19	5	-0.08	5	-0.24	9	-0.09
Thickness of contaminated zone	2	0.84	3	0.61	1	0.87	1	0.60
Depth of soil mixing layer	6	-0.14	7	-0.06	14	0.00	14	0.00
Mass loading for inhalation	13	0.02	13	0.01	11	0.05	12	0.02
Kd of Co-60 in Contaminated Zone	10	-0.06	10	-0.02	7	-0.18	5	-0.27
Kd of Co-60 in Unsaturated Zone 1	8	0.11	8	0.04	3	0.31	4	0.28
Kd of Co-60 in Unsaturated Zone 2	9	0.09	9	0.04	4	0.29	6	0.25
Kd of Co-60 in Saturated Zone	5	0.17	6	0.07	6	0.24	7	0.20
Indoor time fraction	7	0.13	4	0.49	12	0.03	8	0.19
Outdoor time fraction	3	0.21	1	0.81	10	0.07	3	0.51
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 of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	8	0.07	8	0.04	9	0.09	11	0.04
Wind Speed	11	-0.05	11	-0.03	12	0.06	12	0.02
External gamma shielding factor	2	0.69	3	0.52	2	0.77	4	0.51
Inhalation rate	12	0.01	12	0.01	14	0.01	14	0.00
Soil ingestion	10	0.06	10	0.03	13	0.05	13	0.02
Thickness of contaminated zone	1	0.77	2	0.64	1	0.83	2	0.62
Depth of soil mixing layer	9	-0.06	9	-0.03	8	-0.10	10	-0.04
Mass loading for inhalation	4	-0.12	7	-0.07	3	-0.19	9	-0.08
Kd of Co-60 in Contaminated Zone	7	0.09	6	0.21	11	-0.07	7	-0.14
Kd of Co-60 in Unsaturated Zone 1	13	0.00	13	0.00	7	0.10	8	0.11
Kd of Co-60 in Unsaturated Zone 2	14	0.00	14	0.00	4	0.17	5	0.20
Kd of Co-60 in Saturated Zone	5	-0.11	5	-0.25	5	0.17	6	0.20
Indoor time fraction	3	-0.16	1	-0.75	6	-0.12	1	-0.90
Outdoor time fraction	6	-0.10	4	-0.49	10	-0.08	3	-0.58
R-SQUARE		0.73		0.73		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 of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	14	0.00	14	0.00	11	-0.05	13	-0.02
Wind Speed	7	-0.09	9	-0.04	12	-0.05	14	-0.02
External gamma shielding factor	1	0.86	2	0.68	2	0.83	4	0.58
Inhalation rate	4	0.14	5	0.06	5	0.13	8	0.05
Soil ingestion	9	0.08	10	0.03	9	0.07	11	0.03
Thickness of contaminated zone	2	0.81	3	0.57	1	0.85	3	0.62
Depth of soil mixing layer	6	-0.10	6	-0.04	10	-0.06	12	-0.02
Mass loading for inhalation	13	0.00	13	0.00	7	0.09	10	0.04
Kd of Co-60 in Contaminated Zone	11	0.03	7	0.04	14	-0.05	7	-0.08
Kd of Co-60 in Unsaturated Zone 1	10	-0.05	12	-0.03	6	0.13	5	0.11
Kd of Co-60 in Unsaturated Zone 2	12	-0.02	11	-0.03	13	0.05	9	0.04
Kd of Co-60 in Saturated Zone	8	-0.09	8	-0.04	8	0.09	6	0.09
Indoor time fraction	5	0.14	4	0.49	4	0.17	2	0.99
Outdoor time fraction	3	0.20	1	0.71	3	0.22	1	1.26
R-SQUARE		0.85		0.85		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 All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.03	12	0.01	13	0.02	13	0.01
Wind Speed	14	0.01	14	0.00	8	0.09	10	0.03
External gamma shielding factor	1	0.85	2	0.62	2	0.86	2	0.58
Inhalation rate	11	0.03	11	0.01	9	0.08	11	0.03
Soil ingestion	4	-0.19	5	-0.08	5	-0.25	9	-0.09
Thickness of contaminated zone	2	0.84	3	0.61	1	0.87	1	0.60
Depth of soil mixing layer	6	-0.14	7	-0.06	14	0.00	14	0.00
Mass loading for inhalation	13	0.02	13	0.01	11	0.05	12	0.02
Kd of Co-60 in Contaminated Zone	10	-0.06	10	-0.02	7	-0.18	5	-0.27
Kd of Co-60 in Unsaturated Zone 1	8	0.11	8	0.04	3	0.31	4	0.28
Kd of Co-60 in Unsaturated Zone 2	9	0.09	9	0.04	4	0.29	6	0.25
Kd of Co-60 in Saturated Zone	5	0.17	6	0.07	6	0.24	7	0.20
Indoor time fraction	7	0.13	4	0.49	12	0.03	8	0.19
Outdoor time fraction	3	0.21	1	0.81	10	0.07	3	0.51
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 =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	8	0.07	8	0.04	9	0.09	11	0.04
Wind Speed	11	-0.05	11	-0.03	12	0.06	12	0.02
External gamma shielding factor	2	0.69	3	0.52	2	0.77	4	0.51
Inhalation rate	12	0.01	12	0.01	14	0.01	14	0.00
Soil ingestion	10	0.06	10	0.03	13	0.05	13	0.02
Thickness of contaminated zone	1	0.77	2	0.64	1	0.83	2	0.62
Depth of soil mixing layer	9	-0.06	9	-0.03	8	-0.10	10	-0.04
Mass loading for inhalation	4	-0.12	7	-0.07	3	-0.19	9	-0.08
Kd of Co-60 in Contaminated Zone	7	0.09	6	0.21	11	-0.07	7	-0.14
Kd of Co-60 in Unsaturated Zone 1	13	0.00	13	0.00	7	0.10	8	0.12
Kd of Co-60 in Unsaturated Zone 2	14	0.00	14	0.00	4	0.17	5	0.20
Kd of Co-60 in Saturated Zone	5	-0.11	5	-0.25	5	0.17	6	0.20
Indoor time fraction	3	-0.16	1	-0.75	6	-0.13	1	-0.92
Outdoor time fraction	6	-0.10	4	-0.49	10	-0.08	3	-0.60
R-SQUARE		0.73		0.73		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 All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	14	0.00	14	0.00	11	-0.05	13	-0.02
Wind Speed	7	-0.09	9	-0.04	12	-0.05	14	-0.02
External gamma shielding factor	1	0.86	2	0.68	2	0.83	4	0.58
Inhalation rate	4	0.14	5	0.06	5	0.13	8	0.05
Soil ingestion	9	0.08	10	0.03	9	0.07	11	0.03
Thickness of contaminated zone	2	0.81	3	0.57	1	0.85	3	0.62
Depth of soil mixing layer	6	-0.10	6	-0.04	10	-0.06	12	-0.02
Mass loading for inhalation	13	0.00	13	0.00	7	0.09	10	0.04
Kd of Co-60 in Contaminated Zone	11	0.03	7	0.04	14	-0.05	7	-0.08
Kd of Co-60 in Unsaturated Zone 1	10	-0.05	12	-0.03	6	0.13	5	0.11
Kd of Co-60 in Unsaturated Zone 2	12	-0.02	11	-0.03	13	0.05	9	0.04
Kd of Co-60 in Saturated Zone	8	-0.09	8	-0.04	8	0.09	6	0.09
Indoor time fraction	5	0.14	4	0.49	4	0.17	2	0.99
Outdoor time fraction	3	0.20	1	0.71	3	0.22	1	1.26
R-SQUARE		0.85		0.85		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.03	12	0.01	13	0.02	13	0.01
Wind Speed	14	0.01	14	0.00	8	0.09	10	0.03
External gamma shielding factor	1	0.85	2	0.62	2	0.86	2	0.58
Inhalation rate	11	0.03	11	0.01	9	0.08	11	0.03
Soil ingestion	4	-0.19	5	-0.08	5	-0.25	9	-0.09
Thickness of contaminated zone	2	0.84	3	0.61	1	0.87	1	0.60
Depth of soil mixing layer	6	-0.14	7	-0.06	14	0.00	14	0.00
Mass loading for inhalation	13	0.02	13	0.01	11	0.05	12	0.02
Kd of Co-60 in Contaminated Zone	10	-0.06	10	-0.02	7	-0.18	5	-0.27
Kd of Co-60 in Unsaturated Zone 1	8	0.11	8	0.04	3	0.31	4	0.28
Kd of Co-60 in Unsaturated Zone 2	9	0.09	9	0.04	4	0.29	6	0.25
Kd of Co-60 in Saturated Zone	5	0.17	6	0.07	6	0.24	7	0.20
Indoor time fraction	7	0.13	4	0.49	12	0.03	8	0.19
Outdoor time fraction	3	0.21	1	0.81	10	0.07	3	0.51
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 =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	8	0.07	8	0.04	9	0.09	11	0.04
Wind Speed	11	-0.05	11	-0.03	12	0.06	12	0.02
External gamma shielding factor	2	0.69	3	0.52	2	0.77	4	0.52
Inhalation rate	12	0.01	12	0.01	14	0.01	14	0.00
Soil ingestion	10	0.06	10	0.03	13	0.05	13	0.02
Thickness of contaminated zone	1	0.77	2	0.64	1	0.83	2	0.62
Depth of soil mixing layer	9	-0.06	9	-0.03	8	-0.10	10	-0.04
Mass loading for inhalation	4	-0.12	7	-0.07	3	-0.19	9	-0.08
Kd of Co-60 in Contaminated Zone	7	0.09	6	0.21	11	-0.06	7	-0.14
Kd of Co-60 in Unsaturated Zone 1	13	0.00	13	0.00	7	0.10	8	0.11
Kd of Co-60 in Unsaturated Zone 2	14	0.00	14	0.00	4	0.17	5	0.20
Kd of Co-60 in Saturated Zone	5	-0.11	5	-0.25	5	0.17	6	0.20
Indoor time fraction	3	-0.16	1	-0.76	6	-0.12	1	-0.91
Outdoor time fraction	6	-0.10	4	-0.49	10	-0.08	3	-0.59
R-SQUARE		0.73		0.73		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	14	0.00	14	0.00	11	-0.05	13	-0.02
Wind Speed	7	-0.09	9	-0.04	12	-0.05	14	-0.02
External gamma shielding factor	1	0.86	2	0.68	2	0.83	4	0.58
Inhalation rate	4	0.14	5	0.06	5	0.13	8	0.05
Soil ingestion	9	0.08	10	0.03	9	0.07	11	0.03
Thickness of contaminated zone	2	0.81	3	0.57	1	0.85	3	0.62
Depth of soil mixing layer	6	-0.10	6	-0.04	10	-0.06	12	-0.02
Mass loading for inhalation	13	0.00	13	0.00	7	0.09	10	0.04
Kd of Co-60 in Contaminated Zone	11	0.03	7	0.04	14	-0.05	7	-0.08
Kd of Co-60 in Unsaturated Zone 1	10	-0.05	12	-0.03	6	0.13	5	0.11
Kd of Co-60 in Unsaturated Zone 2	12	-0.02	11	-0.03	13	0.05	9	0.04
Kd of Co-60 in Saturated Zone	8	-0.09	8	-0.04	8	0.09	6	0.09
Indoor time fraction	5	0.14	4	0.49	4	0.17	2	0.99
Outdoor time fraction	3	0.20	1	0.71	3	0.22	1	1.26
R-SQUARE		0.85		0.85		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 Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	11	-0.04	12	-0.02	11	-0.03	13	-0.01
Wind Speed	5	-0.21	7	-0.09	5	-0.27	11	-0.10
External gamma shielding factor	12	0.03	13	0.01	14	0.02	14	0.01
Inhalation rate	4	0.52	4	0.24	4	0.56	5	0.25
Soil ingestion	6	-0.17	8	-0.07	7	-0.17	12	-0.06
Thickness of contaminated zone	3	0.75	3	0.44	1	0.83	1	0.54
Depth of soil mixing layer	2	-0.77	2	-0.50	2	-0.81	2	-0.53
Mass loading for inhalation	1	0.83	1	0.59	3	0.77	3	0.45
Kd of Co-60 in Contaminated Zone	9	0.06	11	0.02	10	-0.09	8	-0.15
Kd of Co-60 in Unsaturated Zone 1	7	0.14	9	0.06	8	0.16	9	0.14
Kd of Co-60 in Unsaturated Zone 2	14	0.01	14	0.00	6	0.21	7	0.19
Kd of Co-60 in Saturated Zone	8	0.07	10	0.03	9	0.15	10	0.13
Indoor time fraction	13	0.03	6	0.10	13	0.03	6	0.23
Outdoor time fraction	10	0.05	5	0.18	12	0.03	4	0.26
R-SQUARE		0.85		0.85		0.87		0.87

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	14	0.00	14	0.00	12	-0.03	13	-0.01
Wind Speed	5	-0.33	5	-0.15	5	-0.24	7	-0.09
External gamma shielding factor	6	-0.19	7	-0.08	8	-0.08	10	-0.03
Inhalation rate	4	0.60	4	0.31	4	0.59	6	0.26
Soil ingestion	8	0.06	11	0.02	10	0.05	11	0.02
Thickness of contaminated zone	3	0.74	3	0.47	1	0.85	3	0.58
Depth of soil mixing layer	1	-0.75	2	-0.48	2	-0.84	4	-0.55
Mass loading for inhalation	2	0.74	1	0.48	3	0.74	5	0.39
Kd of Co-60 in Contaminated Zone	9	-0.03	9	-0.05	14	0.00	14	0.00
Kd of Co-60 in Unsaturated Zone 1	13	0.00	13	0.00	9	0.07	8	0.06
Kd of Co-60 in Unsaturated Zone 2	7	0.15	8	0.07	11	0.04	9	0.04
Kd of Co-60 in Saturated Zone	12	0.01	12	0.02	13	0.01	12	0.01
Indoor time fraction	10	-0.03	6	-0.09	6	-0.13	1	-0.79
Outdoor time fraction	11	-0.01	10	-0.05	7	-0.12	2	-0.74
R-SQUARE		0.83		0.83		0.88		0.88

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	10	-0.15	10	-0.06	14	-0.01	14	0.00
Wind Speed	11	-0.14	11	-0.06	5	-0.28	8	-0.11
External gamma shielding factor	12	0.12	12	0.05	6	0.21	9	0.08
Inhalation rate	4	0.57	7	0.28	4	0.55	4	0.24
Soil ingestion	6	0.24	9	0.10	11	0.05	13	0.02
Thickness of contaminated zone	3	0.69	6	0.39	1	0.85	1	0.60
Depth of soil mixing layer	1	-0.76	4	-0.47	2	-0.83	2	-0.56
Mass loading for inhalation	2	0.76	3	0.50	3	0.74	3	0.40
Kd of Co-60 in Contaminated Zone	5	0.31	5	0.45	7	0.11	6	0.18
Kd of Co-60 in Unsaturated Zone 1	13	-0.07	13	-0.03	9	-0.08	11	-0.06
Kd of Co-60 in Unsaturated Zone 2	8	-0.19	8	-0.27	8	-0.09	10	-0.08
Kd of Co-60 in Saturated Zone	14	-0.05	14	-0.02	10	-0.05	12	-0.05
Indoor time fraction	9	0.19	2	0.71	12	-0.04	5	-0.20
Outdoor time fraction	7	0.20	1	0.72	13	-0.03	7	-0.15
R-SQUARE		0.84		0.84		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 Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	4	-0.09	5	-0.04	14	0.00	14	0.00
Wind Speed	6	0.06	9	0.02	13	0.01	13	0.01
External gamma shielding factor	8	-0.03	11	-0.01	8	0.12	10	0.05
Inhalation rate	11	0.02	12	0.01	12	0.02	12	0.01
Soil ingestion	2	0.77	3	0.51	3	0.76	5	0.48
Thickness of contaminated zone	1	0.80	1	0.56	1	0.81	3	0.56
Depth of soil mixing layer	3	-0.77	2	-0.53	2	-0.80	4	-0.55
Mass loading for inhalation	5	-0.06	6	-0.03	11	-0.05	11	-0.02
Kd of Co-60 in Contaminated Zone	12	0.02	13	0.01	9	-0.09	7	-0.16
Kd of Co-60 in Unsaturated Zone 1	7	0.06	8	0.02	7	0.12	8	0.12
Kd of Co-60 in Unsaturated Zone 2	13	-0.02	14	-0.01	4	0.21	6	0.20
Kd of Co-60 in Saturated Zone	9	-0.03	10	-0.01	10	0.07	9	0.06
Indoor time fraction	14	0.01	7	0.02	5	0.19	1	1.61
Outdoor time fraction	10	-0.03	4	-0.13	6	0.17	2	1.48
R-SQUARE		0.83		0.83		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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	12	0.08	12	0.03	10	-0.08	10	-0.03
Wind Speed	5	-0.16	9	-0.08	11	-0.02	13	-0.01
External gamma shielding factor	14	0.01	14	0.01	9	-0.08	9	-0.03
Inhalation rate	8	0.12	10	0.06	6	0.14	8	0.06
Soil ingestion	1	0.76	1	0.53	2	0.81	4	0.54
Thickness of contaminated zone	2	0.74	2	0.50	1	0.82	3	0.55
Depth of soil mixing layer	3	-0.72	4	-0.47	3	-0.74	5	-0.44
Mass loading for inhalation	13	-0.04	13	-0.02	14	0.00	14	0.00
Kd of Co-60 in Contaminated Zone	7	0.15	7	0.29	7	0.09	6	0.19
Kd of Co-60 in Unsaturated Zone 1	11	0.08	11	0.04	12	0.02	11	0.02
Kd of Co-60 in Unsaturated Zone 2	4	0.19	8	0.09	8	-0.09	7	-0.10
Kd of Co-60 in Saturated Zone	6	-0.16	6	-0.31	13	-0.02	12	-0.02
Indoor time fraction	10	-0.08	5	-0.33	5	-0.22	2	-1.56
Outdoor time fraction	9	-0.12	3	-0.48	4	-0.24	1	-1.69
R-SQUARE		0.80		0.80		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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Runoff coefficient	9	0.07	10	0.03	14	0.01	14	0.00
Wind Speed	12	-0.04	14	-0.02	6	0.12	9	0.04
External gamma shielding factor	5	0.27	8	0.10	4	0.14	8	0.05
Inhalation rate	4	0.29	7	0.10	13	-0.02	13	-0.01
Soil ingestion	1	0.86	1	0.60	1	0.88	2	0.61
Thickness of contaminated zone	3	0.79	3	0.45	2	0.85	4	0.53
Depth of soil mixing layer	2	-0.83	2	-0.52	3	-0.83	5	-0.50
Mass loading for inhalation	8	0.18	9	0.07	11	0.03	12	0.01
Kd of Co-60 in Contaminated Zone	7	0.21	5	0.26	12	-0.03	10	-0.04
Kd of Co-60 in Unsaturated Zone 1	11	-0.04	13	-0.02	7	0.11	6	0.09
Kd of Co-60 in Unsaturated Zone 2	6	-0.24	4	-0.29	10	-0.04	11	-0.03
Kd of Co-60 in Saturated Zone	10	-0.05	12	-0.02	9	0.06	7	0.05
Indoor time fraction	14	-0.01	11	-0.02	8	-0.11	3	-0.55
Outdoor time fraction	13	-0.04	6	-0.12	5	-0.13	1	-0.65
R-SQUARE		0.89		0.89		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 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
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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