DECOMMISSIONING PLAN
TOBICO MARCH SGA
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APPENDIX C

RESRAD Computer Dose Modeling Output Files/Reports - Recreational Fisher Scenario, Subsurface Soil Source Term

JANUARY 2004

MACTEC

Appendix C - Fisher Scenario

RESRAD 6.21 Output File Reports

Part I: Mixture Sums and Single Radionuclide Guidelines

Part II: Source Terms, Factors, and Parameters for Individual Pathways

Part III: Intake Quantities and Health Risk Factors

Part IV: Concentration of Radionuclides

Part V: Dose from Radionuclide at Point of Action

Part VI: Uncertainty Analysis

Table of Contents

Part I: Mixture Sums and Single Radionuclide Guidelines

Dose Conversion Factor (and Related) Parameter Summary
File: FGR 13 Morbidity

0 Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Pb-210+D	2.320E-02	2.320E-02	DCF2(1)
B-1	Ra-226+D	8.600E-03	8.600E-03	DCF2(2)
B-1	Ra-228+D	5.080E-03	5.080E-03	DCF2(3)
B-1	Th-228+D	3.450E-01	3.450E-01	DCF2(4)
B-1	Th-230	3.260E-01	3.260E-01	DCF2(5)
B-1	Th-232	1.640E+00	1.640E+00	DCF2(6)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Pb-210+D	7.270E-03	7.270E-03	DCF3(1)
D-1	Ra-226+D	1.330E-03	1.330E-03	DCF3(2)
D-1	Ra-228+D	1.440E-03	1.440E-03	DCF3(3)
D-1	Th-228+D	8.080E-04	8.080E-04	DCF3(4)
D-1	Th-230	5.480E-04	5.480E-04	DCF3(5)
D-1	Th-232	2.730E-03	2.730E-03	DCF3(6)
D-34	Food transfer factors:			
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF(1,1)
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF(1,2)
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF(1,3)
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(2,1)
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(2,2)
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(2,3)
D-34	Ra-228+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(3,1)
D-34	Ra-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(3,2)
D-34	Ra-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(3,3)
D-34	Th-228+D , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(4,1)
D-34	Th-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(4,2)
D-34	Th-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(4,3)
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(5,1)
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(5,2)
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(5,3)
D-34	Th-232 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(6,1)
D-34	Th-232 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(6,2)
D-34	Th-232 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(6,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC(1,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(1,2)
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC(2,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(2,2)
D-5	Ra-228+D , fish	5.000E+01	5.000E+01	BIOFAC(3,1)
D-5	Ra-228+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(3,2)
D-5				

Dose Conversion Factor (and Related) Parameter Summary (continued)
File: FGR 13 Morbidity

0 Menu	Parameter	Current Value	Default	Parameter Name
D-5	Th-228+D , fish	1.000E+02	1.000E+02	BIOFAC(4,1)
D-5	Th-228+D , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(4,2)
D-5	Th-230 , fish	1.000E+02	1.000E+02	BIOFAC(5,1)
D-5	Th-230 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(5,2)
D-5	Th-232 , fish	1.000E+02	1.000E+02	BIOFAC(6,1)
D-5	Th-232 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(6,2)

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)	5.730E+03	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	1.220E+00	2.000E+00	---	THICK0
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	2.500E+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): Pb-210	3.400E+03	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Ra-226	7.480E+03	0.000E+00	---	S1(2)
R012	Initial principal radionuclide (pCi/g): Ra-228	1.095E+05	0.000E+00	---	S1(3)
R012	Initial principal radionuclide (pCi/g): Th-228	1.095E+05	0.000E+00	---	S1(4)
R012	Initial principal radionuclide (pCi/g): Th-230	3.400E+05	0.000E+00	---	S1(5)
R012	Initial principal radionuclide (pCi/g): Th-232	1.095E+05	0.000E+00	---	S1(6)
R012	Concentration in groundwater (pCi/L): Pb-210	not used	0.000E+00	---	W1(1)
R012	Concentration in groundwater (pCi/L): Ra-226	not used	0.000E+00	---	W1(2)
R012	Concentration in groundwater (pCi/L): Ra-228	not used	0.000E+00	---	W1(3)
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00	---	W1(4)
R012	Concentration in groundwater (pCi/L): Th-230	not used	0.000E+00	---	W1(5)
R012	Concentration in groundwater (pCi/L): Th-232	not used	0.000E+00	---	W1(6)
R013	Cover depth (m)	1.520E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	1.970E+00	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	3.000E-06	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.650E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	3.000E-06	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)	2.018E+03	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	1.920E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	6.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	7.100E-01	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	0.000E+00	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	3.200E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	1.650E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	3.500E-01	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R014	Saturated zone hydraulic conductivity (m/yr)	3.000E+02	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	1.000E-03	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	0.000E+00	2.500E+02	---	UW
R015	Number of unsaturated zone strata	2	1	---	NS
R015	Unsat. zone 1, thickness (m)	1.520E+00	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.650E+00	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	2.018E+03	1.000E+01	---	HCUZ(1)
R015	Unsat. zone 2, thickness (m)	1.830E+01	0.000E+00	---	H(2)
R015	Unsat. zone 2, soil density (g/cm**3)	1.970E+00	1.500E+00	---	DENSUZ(2)
R015	Unsat. zone 2, total porosity	4.000E-01	4.000E-01	---	TPUZ(2)
R015	Unsat. zone 2, effective porosity	2.000E-01	2.000E-01	---	EPUZ(2)
R015	Unsat. zone 2, field capacity	2.000E-01	2.000E-01	---	FCUZ(2)
R015	Unsat. zone 2, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(2)
R015	Unsat. zone 2, hydraulic conductivity (m/yr)	1.700E-02	1.000E+01	---	HCUZ(2)
R016	Distribution coefficients for Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,1)
R016	Unsaturated zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,2)
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	9.582E-04	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,2)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.368E-03	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R016	Distribution coefficients for Ra-228				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(3)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(3,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(3,2)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS(3)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.368E-03	ALEACH(3)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(3)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R016	Distribution coefficients for Th-228				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(4)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(4,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(4,2)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS(4)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.599E-06	ALEACH(4)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(4)
R016	Distribution coefficients for Th-230				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(5)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(5,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(5,2)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS(5)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.599E-06	ALEACH(5)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(5)
R016	Distribution coefficients for Th-232				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(6)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(6,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(6,2)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS(6)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.599E-06	ALEACH(6)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(6)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	0.000E+00	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.850E-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)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	not used	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	not used	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	1.830E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	not used	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	not used	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	not used	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	not used	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	not used	-1	---	FPLANT
R018	Contamination fraction of meat	not used	-1	---	FMEAT
R018	Contamination fraction of milk	not used	-1	---	FMILK
R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	not used	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	not used	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	not used	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	not used	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	not used	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	not used	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	not used	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	not used	1.000E-01	---	TIV(1)

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 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	8.894E+01	---	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)
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

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

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	5730.00 square meters	Pb-210	3.400E+03
Thickness:	1.22 meters	Ra-226	7.480E+03
Cover Depth:	1.52 meters	Ra-228	1.095E+05
		Th-228	1.095E+05
		Th-230	3.400E+05
		Th-232	1.095E+05

0

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 2.500E+01 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):	5.309E-06	5.308E-06	5.303E-06	5.283E-06	5.278E-06	5.331E-06	5.468E-06	5.788E-06
M(t):	2.124E-07	2.123E-07	2.121E-07	2.113E-07	2.111E-07	2.133E-07	2.187E-07	2.315E-07

0Maximum TDOSE(t): 5.788E-06 mrem/yr at t = 1.000E+03 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
Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	7.644E-24	0.0000	0.000E+00	0.0000	0.000E+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	3.556E-08	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	8.642E-07	0.1628	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	4.372E-06	0.8234	0.000E+00	0.0000	0.000E+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	3.502E-10	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	3.729E-08	0.0070	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.309E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	7.644E-24	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	3.556E-08	0.0067
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.642E-07	0.1628
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.372E-06	0.8234
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	3.502E-10	0.0001
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.729E-08	0.0070
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	5.309E-06	1.0000

*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
Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	7.404E-24	0.0000	0.000E+00	0.0000	0.000E+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	3.549E-08	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	2.011E-06	0.3790	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	3.043E-06	0.5733	0.000E+00	0.0000	0.000E+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	1.050E-09	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	2.168E-07	0.0409	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.308E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	7.404E-24	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	3.549E-08	0.0067
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.011E-06	0.3790
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.043E-06	0.5733
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	1.050E-09	0.0002
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.168E-07	0.0409
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	5.308E-06	1.0000

*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
Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	6.946E-24	0.0000	0.000E+00	0.0000	0.000E+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	3.537E-08	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	2.948E-06	0.5560	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.475E-06	0.2781	0.000E+00	0.0000	0.000E+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	2.445E-09	0.0005	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	8.419E-07	0.1588	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.303E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	6.946E-24	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	3.537E-08	0.0067
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.948E-06	0.5560
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.475E-06	0.2781
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	2.445E-09	0.0005
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.419E-07	0.1588
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	5.303E-06	1.0000

*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-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	5.554E-24	0.0000	0.000E+00	0.0000	0.000E+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	3.494E-08	0.0066	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	2.027E-06	0.3837	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.168E-07	0.0221	0.000E+00	0.0000	0.000E+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	7.292E-09	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	3.097E-06	0.5862	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.283E-06	1.0000	0.000E+00	0.0000	0.000E+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+01 years

0 Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	5.554E-24	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	3.494E-08	0.0066
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.027E-06	0.3837
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.168E-07	0.0221
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	7.292E-09	0.0014
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.097E-06	0.5862
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	5.283E-06	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.932E-24	0.0000	0.000E+00	0.0000	0.000E+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	3.374E-08	0.0064	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.924E-07	0.0365	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	8.330E-11	0.0000	0.000E+00	0.0000	0.000E+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	2.082E-08	0.0039	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	5.031E-06	0.9532	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.278E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	2.932E-24	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	3.374E-08	0.0064
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.924E-07	0.0365
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.330E-11	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.082E-08	0.0039
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.031E-06	0.9532
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	5.278E-06	1.0000

*Sum of all water independent and dependent pathways.

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

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.135E-25	0.0000	0.000E+00	0.0000	0.000E+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	2.984E-08	0.0056	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	3.798E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	8.078E-22	0.0000	0.000E+00	0.0000	0.000E+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	6.470E-08	0.0121	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	5.237E-06	0.9823	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.331E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	3.135E-25	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	2.984E-08	0.0056
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.798E-11	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.078E-22	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	6.470E-08	0.0121
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.237E-06	0.9823
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	5.331E-06	1.0000

*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
Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	0.000E+00	0.0000
Ra-226	2.102E-08	0.0038	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	9.861E-22	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	1.647E-07	0.0301	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	5.282E-06	0.9660	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.468E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	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	2.102E-08	0.0038
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.861E-22	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	1.647E-07	0.0301
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.282E-06	0.9660
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	5.468E-06	1.0000

*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
Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	0.000E+00	0.0000
Ra-226	6.165E-09	0.0011	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	3.389E-07	0.0586	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	5.443E-06	0.9404	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	5.788E-06	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	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	6.165E-09	0.0011
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	3.389E-07	0.0586
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.443E-06	0.9404
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	5.788E-06	1.0000

*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*	t=	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,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00		2.248E-27	2.178E-27	2.043E-27	1.634E-27	8.624E-28	9.222E-29	1.551E-31	3.031E-41
0Ra-226	Ra-226	1.000E+00		4.754E-12	4.745E-12	4.729E-12	4.671E-12	4.510E-12	3.989E-12	2.810E-12	8.242E-13
Ra-226	Pb-210	1.000E+00		3.511E-29	1.038E-28	2.343E-28	6.274E-28	1.343E-27	1.885E-27	1.410E-27	4.295E-28
Ra-226	§DSR(j)			4.754E-12	4.745E-12	4.729E-12	4.671E-12	4.510E-12	3.989E-12	2.810E-12	8.242E-13
0Ra-228	Ra-228	1.000E+00		5.351E-13	4.737E-13	3.713E-13	1.582E-13	1.383E-14	2.729E-18	7.097E-29	0.000E+00
Ra-228	Th-228	1.000E+00		7.359E-12	1.790E-11	2.656E-11	1.836E-11	1.744E-12	3.442E-16	8.937E-27	0.000E+00
Ra-228	§DSR(j)			7.894E-12	1.837E-11	2.693E-11	1.852E-11	1.757E-12	3.469E-16	9.008E-27	0.000E+00
0Th-228	Th-228	1.000E+00		3.993E-11	2.780E-11	1.347E-11	1.067E-12	7.609E-16	7.379E-27	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.430E-29	1.430E-29	1.430E-29	1.431E-29	1.434E-29	1.444E-29	1.473E-29	1.580E-29
Th-230	Ra-226	1.000E+00		1.030E-15	3.088E-15	7.192E-15	2.145E-14	6.125E-14	1.903E-13	4.846E-13	9.967E-13
Th-230	Pb-210	1.000E+00		5.084E-33	3.525E-32	1.824E-31	1.513E-30	1.042E-29	6.366E-29	2.104E-28	4.846E-28
Th-230	§DSR(j)			1.030E-15	3.088E-15	7.192E-15	2.145E-14	6.125E-14	1.903E-13	4.846E-13	9.967E-13
0Th-232	Th-232	1.000E+00		1.080E-32	1.080E-32	1.081E-32	1.081E-32	1.084E-32	1.093E-32	1.120E-32	1.219E-32
Th-232	Ra-228	1.000E+00		3.291E-14	9.365E-14	1.950E-13	4.059E-13	5.492E-13	5.649E-13	5.706E-13	5.911E-13
Th-232	Th-228	1.000E+00		3.077E-13	1.887E-12	7.495E-12	2.788E-11	4.540E-11	4.727E-11	4.767E-11	4.912E-11
Th-232	§DSR(j)			3.406E-13	1.981E-12	7.690E-12	2.829E-11	4.595E-11	4.783E-11	4.825E-11	4.971E-11

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.
0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 2.500E+01 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
Pb-210	*7.631E+13	*7.631E+13	*7.631E+13	*7.631E+13	*7.631E+13	*7.631E+13	*7.631E+13	*7.631E+13
Ra-226	*9.882E+11	*9.882E+11	*9.882E+11	*9.882E+11	*9.882E+11	*9.882E+11	*9.882E+11	*9.882E+11
Ra-228	3.167E+12	1.361E+12	9.283E+11	1.350E+12	1.423E+13	*2.726E+14	*2.726E+14	*2.726E+14
Th-228	6.261E+11	8.994E+11	1.856E+12	2.344E+13	*8.192E+14	*8.192E+14	*8.192E+14	*8.192E+14
Th-230	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10	*2.018E+10
Th-232	*1.096E+05	*1.096E+05	*1.096E+05	*1.096E+05	*1.096E+05	*1.096E+05	*1.096E+05	*1.096E+05

*At specific activity limit

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 = 1.000E+03 years

0Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Pb-210	3.400E+03	0.000E+00	2.248E-27	*7.631E+13	0.000E+00	*7.631E+13
Ra-226	7.480E+03	0.000E+00	4.754E-12	*9.882E+11	8.242E-13	*9.882E+11
Ra-228	1.095E+05	4.017 ± 0.008	2.768E-11	9.032E+11	0.000E+00	*2.726E+14
Th-228	1.095E+05	0.000E+00	3.993E-11	6.261E+11	0.000E+00	*8.192E+14
Th-230	3.400E+05	1.000E+03	9.967E-13	*2.018E+10	9.967E-13	*2.018E+10
Th-232	1.095E+05	1.000E+03	4.971E-11	*1.096E+05	4.971E-11	*1.096E+05

*At specific activity limit

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
Pb-210	Pb-210	1.000E+00		7.644E-24	7.404E-24	6.946E-24	5.554E-24	2.932E-24	3.135E-25	0.000E+00	0.000E+00
Pb-210	Ra-226	1.000E+00		2.626E-25	7.762E-25	1.753E-24	4.693E-24	1.005E-23	1.410E-23	1.054E-23	3.212E-24
Pb-210	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	5.145E-25	3.543E-24	2.164E-23	7.154E-23	1.648E-22
Pb-210	§DOSE(j)			7.907E-24	8.180E-24	8.698E-24	1.076E-23	1.652E-23	3.606E-23	8.209E-23	1.680E-22
0Ra-226	Ra-226	1.000E+00		3.556E-08	3.549E-08	3.537E-08	3.494E-08	3.374E-08	2.984E-08	2.102E-08	6.165E-09
Ra-226	Th-230	1.000E+00		3.502E-10	1.050E-09	2.445E-09	7.292E-09	2.082E-08	6.470E-08	1.647E-07	3.389E-07
Ra-226	§DOSE(j)			3.591E-08	3.654E-08	3.782E-08	4.223E-08	5.456E-08	9.455E-08	1.858E-07	3.451E-07
0Ra-228	Ra-228	1.000E+00		5.859E-08	5.186E-08	4.065E-08	1.732E-08	1.514E-09	2.988E-13	7.770E-24	0.000E+00
Ra-228	Th-232	1.000E+00		3.603E-09	1.025E-08	2.135E-08	4.444E-08	6.013E-08	6.184E-08	6.247E-08	6.471E-08
Ra-228	§DOSE(j)			6.219E-08	6.212E-08	6.200E-08	6.176E-08	6.164E-08	6.184E-08	6.247E-08	6.471E-08
0Th-228	Ra-228	1.000E+00		8.056E-07	1.960E-06	2.908E-06	2.010E-06	1.909E-07	3.768E-11	9.784E-22	0.000E+00
Th-228	Th-228	1.000E+00		4.372E-06	3.043E-06	1.475E-06	1.168E-07	8.330E-11	8.078E-22	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00		3.368E-08	2.066E-07	8.206E-07	3.052E-06	4.971E-06	5.175E-06	5.219E-06	5.378E-06
Th-228	§DOSE(j)			5.211E-06	5.209E-06	5.203E-06	5.179E-06	5.162E-06	5.175E-06	5.219E-06	5.378E-06
0Th-230	Th-230	1.000E+00		4.861E-24	4.861E-24	4.862E-24	4.866E-24	4.875E-24	4.910E-24	5.009E-24	5.371E-24
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

BRF(i) is the branch fraction of the parent nuclide.
§ is used to indicate summation; the Greek sigma is not included in this font.

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
Pb-210	Pb-210	1.000E+00	3.400E+03	3.293E+03	3.088E+03	2.468E+03	1.300E+03	1.380E+02	2.275E-01	4.133E-11
Pb-210	Ra-226	1.000E+00	0.000E+00	2.286E+02	6.632E+02	1.971E+03	4.344E+03	6.109E+03	4.478E+03	1.269E+03
Pb-210	Th-230	1.000E+00	0.000E+00	2.264E+00	1.992E+01	2.050E+02	1.503E+03	9.317E+03	3.032E+04	6.502E+04
Pb-210	§S(j):		3.400E+03	3.524E+03	3.772E+03	4.643E+03	7.147E+03	1.556E+04	3.480E+04	6.629E+04
0Ra-226	Ra-226	1.000E+00	7.480E+03	7.467E+03	7.440E+03	7.346E+03	7.087E+03	6.247E+03	4.357E+03	1.235E+03
Ra-226	Th-230	1.000E+00	0.000E+00	1.472E+02	4.407E+02	1.460E+03	4.301E+03	1.347E+04	3.408E+04	6.781E+04
Ra-226	§S(j):		7.480E+03	7.614E+03	7.880E+03	8.806E+03	1.139E+04	1.972E+04	3.844E+04	6.904E+04
0Ra-228	Ra-228	1.000E+00	1.095E+05	9.691E+04	7.594E+04	3.235E+04	2.824E+03	5.554E-01	1.429E-11	0.000E+00
Ra-228	Th-232	1.000E+00	0.000E+00	1.242E+04	3.316E+04	7.626E+04	1.055E+05	1.082E+05	1.082E+05	1.081E+05
Ra-228	§S(j):		1.095E+05	1.093E+05	1.091E+05	1.086E+05	1.083E+05	1.082E+05	1.082E+05	1.081E+05
0Th-228	Ra-228	1.000E+00	0.000E+00	3.121E+04	5.881E+04	4.435E+04	4.254E+03	8.371E-01	2.154E-11	0.000E+00
Th-228	Th-228	1.000E+00	1.095E+05	7.620E+04	3.692E+04	2.923E+03	2.083E+00	2.014E-11	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	2.040E+03	1.359E+04	6.151E+04	1.040E+05	1.082E+05	1.082E+05	1.081E+05
Th-228	§S(j):		1.095E+05	1.095E+05	1.093E+05	1.088E+05	1.083E+05	1.082E+05	1.082E+05	1.081E+05
0Th-230	Th-230	1.000E+00	3.400E+05	3.400E+05	3.400E+05	3.400E+05	3.399E+05	3.396E+05	3.389E+05	3.364E+05
0Th-232	Th-232	1.000E+00	1.095E+05	1.095E+05	1.095E+05	1.095E+05	1.095E+05	1.095E+05	1.094E+05	1.093E+05

BRF(i) is the branch fraction of the parent nuclide.
§ is used to indicate summation; the Greek sigma is not included in this font.
0RESCALC.EXE execution time = 654.06 seconds

Table of Contents

Part II: Source Terms, Factors, and Parameters for Individual Pathways

Table of Contents (cont.)

Part II: Source Terms, Factors, and Parameters for Individual Pathways

Iteration Log for Computation of the Time of Maximum Ra-228 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	3.77505E+00	2.76425E-11		
1	4.08735E+00	2.76775E-11	3.12295E-01	parabolic
2	4.03397E+00	2.76802E-11	-5.33786E-02	parabolic
3	4.02057E+00	2.76803E-11	-1.34036E-02	parabolic
4	4.01655E+00	2.76803E-11	-1.14990E-03	parabolic
5	4.01253E+00	2.76803E-11	-4.01655E-03	parabolic
6	4.01655E+00	2.76803E-11	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-228 Dose/Source Ratio
All Pathways Summed
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	3.77505E+00	2.76425E-11		
1	4.08735E+00	2.76775E-11	3.12295E-01	parabolic
2	4.03397E+00	2.76802E-11	-5.33786E-02	parabolic
3	4.02057E+00	2.76803E-11	-1.34036E-02	parabolic
4	4.01655E+00	2.76803E-11	-1.14990E-03	parabolic
5	4.01253E+00	2.76803E-11	-4.01655E-03	parabolic
6	4.01655E+00	2.76803E-11	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)							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.694E-01	9.110E-01	7.328E-01	3.936E-01	4.468E-02	8.918E-05	3.169E-14
0Ra-226	Ra-226	1.000E+00	1.000E+00	9.996E-01	9.987E-01	9.957E-01	9.871E-01	9.576E-01	8.781E-01	6.484E-01
Ra-226	Pb-210	1.000E+00	0.000E+00	3.060E-02	8.897E-02	2.666E-01	6.019E-01	9.258E-01	8.904E-01	6.576E-01
0Ra-228	Ra-228	1.000E+00	1.000E+00	8.864E-01	6.965E-01	2.996E-01	2.688E-02	5.817E-06	1.968E-16	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	2.853E-01	5.384E-01	4.089E-01	4.025E-02	8.717E-06	2.950E-16	0.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	6.961E-01	3.372E-01	2.670E-02	1.903E-05	1.840E-16	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.997E-01	9.991E-01	9.973E-01	9.910E-01
Th-230	Ra-226	1.000E+00	0.000E+00	4.331E-04	1.299E-03	4.323E-03	1.291E-02	4.238E-02	1.217E-01	3.499E-01
Th-230	Pb-210	1.000E+00	0.000E+00	6.663E-06	5.873E-05	6.077E-04	4.523E-03	2.948E-02	1.093E-01	3.408E-01
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	0.000E+00	1.136E-01	3.035E-01	7.004E-01	9.731E-01	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	1.864E-02	1.243E-01	5.644E-01	9.597E-01	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).

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=	SF(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.685E-01	9.084E-01	7.259E-01	3.824E-01	4.060E-02	6.690E-05	1.216E-14
0Ra-226	Ra-226	1.000E+00		1.000E+00	9.982E-01	9.946E-01	9.821E-01	9.474E-01	8.352E-01	5.825E-01	1.651E-01
Ra-226	Pb-210	1.000E+00		0.000E+00	3.056E-02	8.866E-02	2.634E-01	5.807E-01	8.167E-01	5.987E-01	1.697E-01
0Ra-228	Ra-228	1.000E+00		1.000E+00	8.852E-01	6.937E-01	2.955E-01	2.580E-02	5.073E-06	1.306E-16	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	2.851E-01	5.372E-01	4.051E-01	3.885E-02	7.646E-06	1.968E-16	0.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	6.961E-01	3.372E-01	2.670E-02	1.903E-05	1.840E-16	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.997E-01	9.989E-01	9.968E-01	9.895E-01
Th-230	Ra-226	1.000E+00		0.000E+00	4.328E-04	1.296E-03	4.293E-03	1.265E-02	3.962E-02	1.002E-01	1.994E-01
Th-230	Pb-210	1.000E+00		0.000E+00	6.657E-06	5.859E-05	6.030E-04	4.421E-03	2.740E-02	8.917E-02	1.912E-01
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.998E-01	9.995E-01	9.984E-01
Th-232	Ra-228	1.000E+00		0.000E+00	1.135E-01	3.029E-01	6.966E-01	9.632E-01	9.886E-01	9.883E-01	9.872E-01
Th-232	Th-228	1.000E+00		0.000E+00	1.864E-02	1.242E-01	5.618E-01	9.503E-01	9.886E-01	9.883E-01	9.872E-01

*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): 0.000003 m/yr
Contaminated Zone Erosion rate (vcz): 0.000003 m/yr
Water Table Drop rate (vwt): 0.001000 m/yr
Precipitation rate (Pr): 0.710000 m/yr
Cover Removal Time (Tc): 5.067E+05 yr
Overhead irrigation rate (Irr): 0.000 m/yr
Runoff coefficient (Cr): 0.320
Evapotranspiration coeff. (Ce): 0.600
Infiltration rate (In): 0.193 m/yr
Bulk soil density (rhob): 1.650 g/cm**3
Effective porosity (pe): 0.000

0Radio-nuclide (i)	Distribution Coefficient Kd(i),cm**3/g	Leaching Ratio q(i)
Pb-210	1.000000E+02	1.226E-03
Ra-226	7.000000E+01	1.751E-03
Ra-228	7.000000E+01	1.751E-03
Th-228	6.000000E+04	2.046E-06
Th-230	6.000000E+04	2.046E-06
Th-232	6.000000E+04	2.046E-06

0

Time Dependence of Source Geometry

Time Dependence of Cover Depth [Cd(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
	Cd(i,t) (meters)							
Pb-210	1.5200E+00	1.5200E+00	1.5200E+00	1.5200E+00	1.5199E+00	1.5197E+00	1.5191E+00	1.5170E+00
Ra-226	1.5200E+00	1.5200E+00	1.5200E+00	1.5200E+00	1.5199E+00	1.5197E+00	1.5191E+00	1.5170E+00
Ra-228	1.5200E+00	1.5200E+00	1.5200E+00	1.5200E+00	1.5199E+00	1.5197E+00	1.5191E+00	1.5170E+00
Th-228	1.5200E+00	1.5200E+00	1.5200E+00	1.5200E+00	1.5199E+00	1.5197E+00	1.5191E+00	1.5170E+00
Th-230	1.5200E+00	1.5200E+00	1.5200E+00	1.5200E+00	1.5199E+00	1.5197E+00	1.5191E+00	1.5170E+00
Th-232	1.5200E+00	1.5200E+00	1.5200E+00	1.5200E+00	1.5199E+00	1.5197E+00	1.5191E+00	1.5170E+00

0

Time Dependence of Contaminated Zone Thicknesses [T(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
	T(i,t) (meters)							
Pb-210	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00
Ra-226	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00
Ra-228	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00
Th-228	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00
Th-230	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00
Th-232	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00	1.2200E+00

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

Occupancy Factor (FO1): 0.029
Area (A): 5730. sq. meters

Initial cover depth (Cd): 1.520 meters
Initial contaminated zone thickness (T): 1.220 meters

Time Dependence of Cover/Depth Factor [FCTR_COV_DEPTH(i,t)]

Nuclide	FCTR_COV_DEPTH(i,t) (dimensionless)							
(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
Pb-210	1.310E-23	1.310E-23	1.310E-23	1.311E-23	1.314E-23	1.323E-23	1.351E-23	1.452E-23
Ra-226	1.491E-11	1.491E-11	1.491E-11	1.491E-11	1.493E-11	1.498E-11	1.513E-11	1.565E-11
Ra-228	3.335E-12	3.335E-12	3.336E-12	3.337E-12	3.340E-12	3.352E-12	3.388E-12	3.513E-12
Th-228	1.637E-10	1.637E-10	1.638E-10	1.638E-10	1.640E-10	1.645E-10	1.659E-10	1.712E-10
Th-230	4.145E-25	4.146E-25	4.147E-25	4.150E-25	4.159E-25	4.191E-25	4.285E-25	4.630E-25
Th-232	7.274E-28	7.275E-28	7.277E-28	7.283E-28	7.301E-28	7.364E-28	7.547E-28	8.225E-28

0

Time Dependence of Area Factor [FCTR_AREA(i,t)]

Nuclide	FCTR_AREA(i,t) (dimensionless)							
(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
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	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-228	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-228	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	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-232	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)

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
Pb-210	Pb-210	6.120E-03	3.733E-25	3.733E-25	3.734E-25	3.736E-25	3.744E-25	3.771E-25	3.850E-25	4.139E-25
0Ra-226	Ra-226	1.120E+01	4.248E-13	4.248E-13	4.249E-13	4.250E-13	4.254E-13	4.269E-13	4.311E-13	4.462E-13
Ra-226	Pb-210	6.120E-03	3.733E-25	3.733E-25	3.734E-25	3.736E-25	3.744E-25	3.771E-25	3.850E-25	4.139E-25
0Ra-228	Ra-228	5.980E+00	9.505E-14	9.505E-14	9.506E-14	9.510E-14	9.520E-14	9.555E-14	9.654E-14	1.001E-13
Ra-228	Th-228	1.020E+01	4.667E-12	4.667E-12	4.667E-12	4.669E-12	4.673E-12	4.687E-12	4.729E-12	4.878E-12
0Th-228	Th-228	1.020E+01	4.667E-12	4.667E-12	4.667E-12	4.669E-12	4.673E-12	4.687E-12	4.729E-12	4.878E-12
0Th-230	Th-230	1.210E-03	1.181E-26	1.182E-26	1.182E-26	1.183E-26	1.185E-26	1.195E-26	1.221E-26	1.320E-26
Th-230	Ra-226	1.120E+01	4.248E-13	4.248E-13	4.249E-13	4.250E-13	4.254E-13	4.269E-13	4.311E-13	4.462E-13
Th-230	Pb-210	6.120E-03	3.733E-25	3.733E-25	3.734E-25	3.736E-25	3.744E-25	3.771E-25	3.850E-25	4.139E-25
0Th-232	Th-232	5.210E-04	2.073E-29	2.073E-29	2.074E-29	2.076E-29	2.081E-29	2.099E-29	2.151E-29	2.344E-29
Th-232	Ra-228	5.980E+00	9.505E-14	9.505E-14	9.506E-14	9.510E-14	9.520E-14	9.555E-14	9.654E-14	1.001E-13
Th-232	Th-228	1.020E+01	4.667E-12	4.667E-12	4.667E-12	4.669E-12	4.673E-12	4.687E-12	4.729E-12	4.878E-12

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

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,1,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		2.248E-27	2.178E-27	2.043E-27	1.634E-27	8.624E-28	9.222E-29	1.551E-31	3.031E-41
0Ra-226	Ra-226	1.000E+00		4.754E-12	4.745E-12	4.729E-12	4.671E-12	4.510E-12	3.989E-12	2.810E-12	8.242E-13
Ra-226	Pb-210	1.000E+00		3.511E-29	1.038E-28	2.343E-28	6.274E-28	1.343E-27	1.885E-27	1.410E-27	4.295E-28
Ra-226	§DSR(j)			4.754E-12	4.745E-12	4.729E-12	4.671E-12	4.510E-12	3.989E-12	2.810E-12	8.242E-13
0Ra-228	Ra-228	1.000E+00		5.351E-13	4.737E-13	3.713E-13	1.582E-13	1.383E-14	2.729E-18	7.097E-29	0.000E+00
Ra-228	Th-228	1.000E+00		7.359E-12	1.790E-11	2.656E-11	1.836E-11	1.744E-12	3.442E-16	8.937E-27	0.000E+00
Ra-228	§DSR(j)			7.894E-12	1.837E-11	2.693E-11	1.852E-11	1.757E-12	3.469E-16	9.008E-27	0.000E+00
0Th-228	Th-228	1.000E+00		3.993E-11	2.780E-11	1.347E-11	1.067E-12	7.609E-16	7.379E-27	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.430E-29	1.430E-29	1.430E-29	1.431E-29	1.434E-29	1.444E-29	1.473E-29	1.580E-29
Th-230	Ra-226	1.000E+00		1.030E-15	3.088E-15	7.192E-15	2.145E-14	6.125E-14	1.903E-13	4.846E-13	9.967E-13
Th-230	Pb-210	1.000E+00		5.084E-33	3.525E-32	1.824E-31	1.513E-30	1.042E-29	6.366E-29	2.104E-28	4.846E-28
Th-230	§DSR(j)			1.030E-15	3.088E-15	7.192E-15	2.145E-14	6.125E-14	1.903E-13	4.846E-13	9.967E-13
0Th-232	Th-232	1.000E+00		1.080E-32	1.080E-32	1.081E-32	1.081E-32	1.084E-32	1.093E-32	1.120E-32	1.219E-32
Th-232	Ra-228	1.000E+00		3.291E-14	9.365E-14	1.950E-13	4.059E-13	5.492E-13	5.649E-13	5.706E-13	5.911E-13
Th-232	Th-228	1.000E+00		3.077E-13	1.887E-12	7.495E-12	2.788E-11	4.540E-11	4.727E-11	4.767E-11	4.912E-11
Th-232	§DSR(j)			3.406E-13	1.981E-12	7.690E-12	2.829E-11	4.595E-11	4.783E-11	4.825E-11	4.971E-11

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,2,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.
0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A):	5.7300E+03 m**2	Occupancy Factor (FO2):	2.8500E-02
Area Factor (FA2):	1.6170E-01	Annual Air Intake (F12):	8.4000E+03 m**3/yr
Cover Depth [Cd(0)]:	1.5200E+00 m	Mass Loading (ASR2):	1.0000E-04 g/m**3
Contaminated Zone Thickness [T(0)]:	1.2200E+00 m	FA2 * FO2 * F12 * ASR2:	3.8710E-03 g/yr

Nuclide (i)	t=	Depth Factor [FD(i,2,t)] (dimensionless) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D		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+D		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-228+D		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-228+D		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
Th-232		0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	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
Pb-210	Pb-210	2.320E-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
0Ra-226	Ra-226	8.600E-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
Ra-226	Pb-210	2.320E-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
0Ra-228	Ra-228	5.080E-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
Ra-228	Th-228	3.450E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	3.450E-01		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	3.260E-01		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	Ra-226	8.600E-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
Th-230	Pb-210	2.320E-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
0Th-232	Th-232	1.640E+00		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-232	Ra-228	5.080E-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
Th-232	Th-228	3.450E-01		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.

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	2.026E-01
Bulk Density (g/cm**3)	2.400E+00	1.970E+00	1.650E+00
Rn-222 Emanation Coefficient	2.500E-01	2.500E-01	2.500E-01
Rn-220 Emanation Coefficient	1.500E-01	1.500E-01	1.500E-01
Initial Thickness (m)	1.500E-01	1.520E+00	1.220E+00

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=	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+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 (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
	FLUXO(i,t) (pCi/m**2/s)							
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
Ra-228	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-228	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
Th-232	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 (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
	FLUXI(i,t) (pCi/m**2/s)							
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
Ra-228	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-228	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
Th-232	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): 1.920E+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
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
Ra-228	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-228	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
Th-232	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
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
Ra-228	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-228	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
Th-232	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 (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
				WLOTD(i,t) (WL)				
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
Ra-228	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-228	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
Th-232	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 (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
				WLIND(i,t) (WL)				
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
Ra-228	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-228	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
Th-232	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): 2.850E-02
Fraction of Time Spent Indoors (FIND): 0.000E+00

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,9,t) - DSRRNW(j,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSRRNW(j,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Transport Time Parameters for Unsaturated Zone Stratum No. 1

Stratum thickness [h(1)]:	1.520000 m
Bulk soil material density [rhob(1)]:	1.650000 g/cm**3
Effective porosity [peuz(1)]:	0.200000
Hydraulic conductivity [Khuz(1)]:	2018.000000 m/yr
Total porosity [ptuz(1)]:	0.400000
Soil specific b parameter [buz(1)]:	5.300000
Saturation ratio [sruz(1)]:	0.506382

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Pb-210	1.0000E+02	8.1560E+02	6.5013E+02
Ra-226	7.0000E+01	5.7122E+02	4.5533E+02
Ra-228	7.0000E+01	5.7122E+02	4.5533E+02
Th-228	6.0000E+04	4.8876E+05	3.8960E+05
Th-230	6.0000E+04	4.8876E+05	3.8960E+05
Th-232	6.0000E+04	4.8876E+05	3.8960E+05

0

Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]:	18.299999 m
Bulk soil material density [rhob(2)]:	1.970000 g/cm**3
Effective porosity [peuz(2)]:	0.200000
Hydraulic conductivity [Khuz(2)]:	0.017000 m/yr
Total porosity [ptuz(2)]:	0.400000
Soil specific b parameter [buz(2)]:	5.300000
Saturation ratio [sruz(2)]:	1.000000

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Pb-210	1.0000E+02	4.9350E+02	9.3528E+03
Ra-226	7.0000E+01	3.4575E+02	6.5526E+03
Ra-228	7.0000E+01	3.4575E+02	6.5526E+03
Th-228	6.0000E+04	2.9550E+05	5.6003E+06
Th-230	6.0000E+04	2.9550E+05	5.6003E+06
Th-232	6.0000E+04	2.9550E+05	5.6003E+06

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]:	1.650000	g/cm**3
Effective porosity [peaq]:	0.350000	
Hydraulic conductivity [Khaq]:	300.000000	m/yr
Total porosity [ptaq]:	0.400000	
Soil specific b parameter [baq]:	5.300000	
Saturation ratio [sruaq]:	0.582567	

Radio-nuclide (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time Dtuaq(i), yr
Pb-210	1.0000E+02	7.0907E+02	2.9794E+04
Ra-226	7.0000E+01	4.9665E+02	7.7261E+03
Ra-228	7.0000E+01	4.9665E+02	7.7261E+03
Th-228	6.0000E+04	4.2484E+05	Infinite
Th-230	6.0000E+04	4.2484E+05	Infinite
Th-232	6.0000E+04	4.2484E+05	Infinite

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

0 Aquifer contamination depth at well (z): 3.21867E+00 m
Depth of water intake below water table (dw): 1.00000E+01 m
Infiltration rate (In): 1.93120E-01 m/yr
Aquifer water flow rate (Vwfr): 6.00000E+00 m/yr
Hydraulic gradient (J): 2.00000E-02
Hydraulic conductivity of aquifer (Kszh): 3.00000E+02 m/yr
Contaminated zone extent parallel to gradient (l): 1.00000E+02 m
Distance below contaminated zone to water table (h): 0.19820E+02 m
Initial thickness of uncontaminated cover (Cd): 0.15200E+01 m
Initial thickness of contaminated zone (T): 0.12200E+01 m
Effective porosity of saturated zone (pesz): 0.35000E+00

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
Pb-210	3.219E-01	4.135E+02	2.412E+03	2.412E+03	3.217E+01
Ra-226	3.219E-01	2.898E+02	1.690E+03	1.690E+03	2.308E+03
Ra-228	3.219E-01	2.898E+02	1.690E+03	1.690E+03	8.295E+00
Th-228	3.219E-01	2.475E+05	1.444E+06	1.444E+06	2.760E+00
Th-230	3.219E-01	2.475E+05	1.444E+06	1.444E+06	1.111E+05
Th-232	3.219E-01	2.475E+05	1.444E+06	1.444E+06	2.027E+10

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): 1.650 g/cm**3

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
Pb-210	3.219E-01	8.156E+02	1.473E+04	3.980E+04	2.412E+03
Ra-226	3.219E-01	5.712E+02	1.473E+04	1.473E+04	1.690E+03
Ra-228	3.219E-01	5.712E+02	1.473E+04	1.473E+04	1.690E+03
Th-228	3.219E-01	4.888E+05	1.473E+04	Infinite	1.444E+06
Th-230	3.219E-01	4.888E+05	Infinite	Infinite	1.444E+06
Th-232	3.219E-01	4.888E+05	Infinite	Infinite	1.444E+06

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)							
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		0.000E+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) = 5.7300E+03 m**2
Dilution Factor (f') = 5.7300E-03
Soil Density (rhob) = 1.6500E+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)							
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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	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
			STOR_ID(i,j,t) = CONCE(i,j,t)/CONCE(i,i,0)								
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
Ra-228	Ra-228	1.000E+00	9.954E-01	9.997E-01	9.997E-01	9.934E-01	9.977E-01	9.977E-01	9.997E-01	9.997E-01	9.853E-01
Ra-228	Th-228	1.000E+00	1.376E-02	9.913E-04	9.913E-04	1.958E-02	6.912E-03	6.912E-03	9.913E-04	9.913E-04	4.333E-02
Th-228	Th-228	1.000E+00	9.862E-01	9.990E-01	9.990E-01	9.804E-01	9.931E-01	9.931E-01	9.990E-01	9.990E-01	9.563E-01
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
Th-232	Th-232	1.000E+00	1.000E+00	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-232	Ra-228	1.000E+00	4.610E-03	3.300E-04	3.300E-04	6.579E-03	2.308E-03	2.308E-03	3.300E-04	3.300E-04	1.474E-02
Th-232	Th-228	1.000E+00	3.189E-05	1.636E-07	1.636E-07	6.490E-05	7.996E-06	7.996E-06	1.636E-07	1.636E-07	3.250E-04

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)#							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	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-232	Th-228	1.000E+00	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)#							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	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-232	Th-228	1.000E+00	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*	t= 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)#							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	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-232	Th-228	1.000E+00	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*	t= 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)#							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	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-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				CFWW(j,t,7)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				CFWW(j,t,4)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				CFWW(j,t,6)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				CF3(j,1,t)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 Leafy Plants
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
				CF3(j,2,t)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
				CFLF(j,1,t)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 (Milk) Fodder
Harvest Time = t - 1.26E-01 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
				CFLF(j,2,t)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 Meat
Harvest Time = t - 5.48E-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
				CF45(j,1,t)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 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)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 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)#							
Pb-210	Pb-210	1.000E+00		1.000E+00	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01
0Ra-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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01
0Th-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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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).

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)							
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
Ra-228		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-228		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
Th-232		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

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)							
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
Ra-228		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-228		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
Th-232		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

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)							
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
Ra-228		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-228		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
Th-232		1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00

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

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

                               The Depth Factor Value
                              FD(i,p,q,t) = 1.0000E+00
              is applicable for all radionuclides(i) and times(t).
0
            Area and Depth Factors for Meat (p=4) and Milk (p=5) Pathways
              Transfer from Livestock Water (q=5) and Soil (q=6) Intake

              Area Factor for Meat and Milk [FA(p),p=4,5] = 0.30

 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] = 0.30

 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 (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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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 (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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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 (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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

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

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

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

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

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

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

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

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

Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

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

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

Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

* - 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=	DSR(j,3,1,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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=	DSR(j,3,2,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 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*	t=	DSR(j,3,3,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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*	t=	DSR(j,3,4,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 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*	t=	DSR(j,3,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,4,1,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,4,2,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,4,3,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,4,4,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

0Parent (i)	Product (j)	Branch Fraction*	t=	DSR(j,4,5,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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=	DSR(j,4,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 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*	t=	DSR(j,5,1,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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*	t=	DSR(j,5,2,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 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=	DSR(j,5,3,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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=	DSR(j,5,4,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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

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The DSR includes contributions from associated (half-life <= 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=	DSR(j,5,5,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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=	DSR(j,5,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 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*	t=	DSR(j,6,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 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=	DSR(j,7,t) (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		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-228	§DSR(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
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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-232	§DSR(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).
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The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Plant/Air and Plant/Water Concentration Ratios
Mass loading [ASR(3)]: 1.000E-04 g/m**3
Area Factor for Mass Loading [FA(2)]: 1.617E-01

Nuclide (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
Pb-210	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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

Plant/Soil Concentration Ratios, FSR(i,3,q,k,t)
Root Uptake (q=1) and Foliar Dust Deposition (q=2)
Nonleafy (k=1) and/or Leafy (k=2) Vegetables

Nuclide(i) Parent	Product	FSR(i,3,1,k)	FSR(i,3,2,1)	FSR(i,3,2,2)
Pb-210	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
Ra-226	Ra-226	4.0000E-02	8.8198E-07	4.2293E-06
Ra-226	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
Ra-228	Ra-228	4.0000E-02	8.8198E-07	4.2293E-06
Ra-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06
Th-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06
Th-230	Th-230	1.0000E-03	8.8198E-07	4.2293E-06
Th-230	Ra-226	4.0000E-02	8.8198E-07	4.2293E-06
Th-230	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
Th-232	Th-232	1.0000E-03	8.8198E-07	4.2293E-06
Th-232	Ra-228	4.0000E-02	8.8198E-07	4.2293E-06
Th-232	Th-228	1.0000E-03	8.8198E-07	4.2293E-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)							
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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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)							
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)
Overhead Irrigation (q=4) and Leafy Vegetables (k=2)
FSR(j,3,4,2,t) * SF(j,t)

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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00	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-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	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-232	Th-228	1.000E+00	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 (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
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	0.0000E+00	0.0000E+00
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Ra-228	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Th-228	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-230	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-232	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00

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)
	Pb-210	Pb-210	1.0000E-02	4.6341E-06
0	Ra-226	Ra-226	4.0000E-02	4.6341E-06
	Ra-226	Pb-210	1.0000E-02	4.6341E-06
0	Ra-228	Ra-228	4.0000E-02	4.6341E-06
	Ra-228	Th-228	1.0000E-03	4.6341E-06
0	Th-228	Th-228	1.0000E-03	4.6341E-06
0	Th-230	Th-230	1.0000E-03	4.6341E-06
	Th-230	Ra-226	4.0000E-02	4.6341E-06
	Th-230	Pb-210	1.0000E-02	4.6341E-06
0	Th-232	Th-232	1.0000E-03	4.6341E-06
	Th-232	Ra-228	4.0000E-02	4.6341E-06
	Th-232	Th-228	1.0000E-03	4.6341E-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*	t=	QSR(j,p,3,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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=	QSR(j,p,4,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		0.000E+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=	QSR(j,p,5,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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)
	Pb-210	0.0000E+00	0.0000E+00
0	Ra-226	0.0000E+00	0.0000E+00
	Ra-226	0.0000E+00	0.0000E+00
0	Ra-228	0.0000E+00	0.0000E+00
	Ra-228	0.0000E+00	0.0000E+00
0	Th-228	0.0000E+00	0.0000E+00
0	Th-230	0.0000E+00	0.0000E+00
	Th-230	0.0000E+00	0.0000E+00
	Th-230	0.0000E+00	0.0000E+00
0	Th-232	0.0000E+00	0.0000E+00
	Th-232	0.0000E+00	0.0000E+00
	Th-232	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*	t=	FSR(j,4,3,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 Ratio, FSR(j,4,q,t)
Overhead Irrigation (q=4)

0Parent (i)	Product (j)	Branch Fraction*	t=	FSR(j,4,4,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		0.000E+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=	FSR(j,4,5,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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)
	Pb-210	Pb-210	0.0000E+00	0.0000E+00
0	Ra-226	Ra-226	0.0000E+00	0.0000E+00
	Ra-226	Pb-210	0.0000E+00	0.0000E+00
0	Ra-228	Ra-228	0.0000E+00	0.0000E+00
	Ra-228	Th-228	0.0000E+00	0.0000E+00
0	Th-228	Th-228	0.0000E+00	0.0000E+00
0	Th-230	Th-230	0.0000E+00	0.0000E+00
	Th-230	Ra-226	0.0000E+00	0.0000E+00
	Th-230	Pb-210	0.0000E+00	0.0000E+00
0	Th-232	Th-232	0.0000E+00	0.0000E+00
	Th-232	Ra-228	0.0000E+00	0.0000E+00
	Th-232	Th-228	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*	t=	FSR(j,5,3,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 Ratio, FSR(j,5,q,t)
Overhead Irrigation (q=4)

0Parent (i)	Product (j)	Branch Fraction*	t=	FSR(j,5,4,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		0.000E+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=	FSR(j,5,5,t) * SF(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
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.000E+00		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-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	1.000E+00		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-232	Ra-228	1.000E+00		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-232	Th-228	1.000E+00		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 (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,8,t) (mrem/yr)/(pCi/g)							
Pb-210	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
0Ra-226	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
Ra-226	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
Ra-226	§DSR(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
0Ra-228	Ra-228	1.000E+00	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-228	Th-228	1.000E+00	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-228	§DSR(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
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	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
Th-230	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
Th-230	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
Th-230	§DSR(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
0Th-232	Th-232	1.000E+00	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-232	Ra-228	1.000E+00	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-232	Th-228	1.000E+00	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-232	§DSR(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).
§ is used to indicate summation; the Greek sigma is not included in this font.
The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.
0

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

0Parent (i)	Product (j)	DCF(j,8)*	t= 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,8,t) (g/yr)							
Pb-210	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
0Ra-226	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
Ra-226	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
0Ra-228	Ra-228	1.440E-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
Ra-228	Th-228	8.080E-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
0Th-228	Th-228	8.080E-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
0Th-230	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
Th-230	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
Th-230	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
0Th-232	Th-232	2.730E-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
Th-232	Ra-228	1.440E-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
Th-232	Th-228	8.080E-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

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

Table of Contents

Cancer Risk Slope Factors Summary Table
Risk Library: FGR 13 Morbidity

Menu	Parameter	Current Value	Default	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Pb-210+D	4.21E-09	4.21E-09	SLPF(1,1)
Sf-1	Ra-226+D	8.49E-06	8.49E-06	SLPF(2,1)
Sf-1	Ra-228+D	4.53E-06	4.53E-06	SLPF(3,1)
Sf-1	Th-228+D	7.79E-06	7.79E-06	SLPF(4,1)
Sf-1	Th-230	8.18E-10	8.18E-10	SLPF(5,1)
Sf-1	Th-232	3.42E-10	3.42E-10	SLPF(6,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Pb-210+D	3.08E-08	3.08E-08	SLPF(1,2)
Sf-2	Ra-226+D	2.82E-08	2.82E-08	SLPF(2,2)
Sf-2	Ra-228+D	4.37E-08	4.37E-08	SLPF(3,2)
Sf-2	Th-228+D	3.58E-07	3.58E-07	SLPF(4,2)
Sf-2	Th-230	3.40E-08	3.40E-08	SLPF(5,2)
Sf-2	Th-232	4.33E-08	4.33E-08	SLPF(6,2)
Sf-3	Food ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	3.44E-09	3.44E-09	SLPF(1,3)
Sf-3	Ra-226+D	5.14E-10	5.14E-10	SLPF(2,3)
Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF(3,3)
Sf-3	Th-228+D	4.22E-10	4.22E-10	SLPF(4,3)
Sf-3	Th-230	1.19E-10	1.19E-10	SLPF(5,3)
Sf-3	Th-232	1.33E-10	1.33E-10	SLPF(6,3)
Sf-3	Water ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	2.66E-09	2.66E-09	SLPF(1,4)
Sf-3	Ra-226+D	3.85E-10	3.85E-10	SLPF(2,4)
Sf-3	Ra-228+D	1.04E-09	1.04E-09	SLPF(3,4)
Sf-3	Th-228+D	3.00E-10	3.00E-10	SLPF(4,4)
Sf-3	Th-230	9.10E-11	9.10E-11	SLPF(5,4)
Sf-3	Th-232	1.01E-10	1.01E-10	SLPF(6,4)
Sf-3	Soil ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	3.44E-09	3.44E-09	SLPF(1,5)
Sf-3	Ra-226+D	5.14E-10	5.14E-10	SLPF(2,5)
Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF(3,5)
Sf-3	Th-228+D	4.22E-10	4.22E-10	SLPF(4,5)
Sf-3	Th-230	1.19E-10	1.19E-10	SLPF(5,5)
Sf-3	Th-232	1.33E-10	1.33E-10	SLPF(6,5)
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	Rn-220	1.90E-13	1.90E-13	SLPFRN(2,1)
Sf-Rn	Po-216	3.00E-15	3.00E-15	SLPFRN(2,2)
Sf-Rn	Pb-212	3.90E-11	3.90E-11	SLPFRN(2,3)
Sf-Rn	Bi-212	3.70E-11	3.70E-11	SLPFRN(2,4)
Sf-Rn	Radon K factors, (mrem/WLM):			
Sf-Rn	Rn-222 Indoor	7.60E+02	7.60E+02	KFACTR(1,1)

Cancer Risk Slope Factors Summary Table (continued)
Risk Library: FGR 13 Morbidity

Menu	Parameter	Current Value	Default	Parameter Name
Sf-Rn	Rn-222 Outdoor	5.70E+02	5.70E+02	KFACTR(1,2)
Sf-Rn	Rn-220 Indoor	1.50E+02	1.50E+02	KFACTR(2,1)
Sf-Rn	Rn-220 Outdoor	2.50E+02	2.50E+02	KFACTR(2,2)

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

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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= 0.000E+00 years

0

Radon Pathway	Radionuclides							
	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-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.603E-28	0.0000	0.000E+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	8.093E-13	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.414E-12	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.194E-10	0.9817	0.000E+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	9.858E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.216E-10	1.0000	0.000E+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= 0.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	1.603E-28	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.093E-13	0.0067
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.414E-12	0.0116
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.194E-10	0.9817
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.858E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.216E-10	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 Radionuclides

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

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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
Pb-210	1.603E-28	0.0000	0.000E+00	0.0000	0.000E+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	8.093E-13	0.0067	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.414E-12	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.194E-10	0.9817	0.000E+00	0.0000	0.000E+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	9.858E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.216E-10	1.0000	0.000E+00	0.0000	0.000E+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= 0.000E+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.603E-28	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	8.093E-13	0.0067
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.414E-12	0.0116
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.194E-10	0.9817
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	9.858E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	1.216E-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= 1.000E+00 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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+00 years

0

Radon Pathway	Radionuclides							
	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-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.552E-28	0.0000	0.000E+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	8.238E-13	0.0068	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.412E-12	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.194E-10	0.9816	0.000E+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	9.858E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.216E-10	1.0000	0.000E+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+00 years

Water Dependent Pathways

Radio-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	1.552E-28	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.238E-13	0.0068
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.412E-12	0.0116
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.194E-10	0.9816
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.858E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.216E-10	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 Pathway	Radionuclides 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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
Pb-210	1.552E-28	0.0000	0.000E+00	0.0000	0.000E+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	8.079E-13	0.0066	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	3.529E-11	0.2902	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	8.311E-11	0.6834	0.000E+00	0.0000	0.000E+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	1.592E-14	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	2.386E-12	0.0196	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.216E-10	1.0000	0.000E+00	0.0000	0.000E+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+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.
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	1.552E-28	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	8.079E-13	0.0066
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.529E-11	0.2902
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.311E-11	0.6834
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	1.592E-14	0.0001
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.386E-12	0.0196
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	1.216E-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+00 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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+00 years

0

Radon Pathway	Radionuclides							
	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-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.769E-28	0.0000	0.000E+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	8.527E-13	0.0070	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.410E-12	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.192E-10	0.9814	0.000E+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	9.860E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.215E-10	1.0000	0.000E+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+00 years

Water Dependent Pathways

Radio-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	1.769E-28	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.527E-13	0.0070
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.410E-12	0.0116
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.192E-10	0.9814
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.860E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.215E-10	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 Radionuclides

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

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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
Pb-210	1.456E-28	0.0000	0.000E+00	0.0000	0.000E+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	8.051E-13	0.0066	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	6.513E-11	0.5360	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	4.027E-11	0.3314	0.000E+00	0.0000	0.000E+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	4.769E-14	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	1.525E-11	0.1255	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.215E-10	1.0000	0.000E+00	0.0000	0.000E+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+00 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.456E-28	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	8.051E-13	0.0066
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.513E-11	0.5360
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.027E-11	0.3314
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	4.769E-14	0.0004
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.525E-11	0.1255
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	1.215E-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= 1.000E+01 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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

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

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

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

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

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.094E-28	0.0000	0.000E+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	9.532E-13	0.0079	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.404E-12	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.187E-10	0.9805	0.000E+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	9.867E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.210E-10	1.0000	0.000E+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+01 years

Water Dependent Pathways

Radio-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	2.094E-28	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.532E-13	0.0079
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.404E-12	0.0116
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.187E-10	0.9805
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.867E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.210E-10	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 Radionuclides

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

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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
Pb-210	1.164E-28	0.0000	0.000E+00	0.0000	0.000E+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	7.952E-13	0.0066	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	4.881E-11	0.4032	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	3.189E-12	0.0263	0.000E+00	0.0000	0.000E+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	1.580E-13	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	6.810E-11	0.5626	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.210E-10	1.0000	0.000E+00	0.0000	0.000E+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+01 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.164E-28	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	7.952E-13	0.0066
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.881E-11	0.4032
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.189E-12	0.0263
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	1.580E-13	0.0013
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.810E-11	0.5626
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	1.210E-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+01 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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+01 years

0

Radon Pathway	Radionuclides							
	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-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.379E-28	0.0000	0.000E+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	1.234E-12	0.0102	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.401E-12	0.0116	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.183E-10	0.9782	0.000E+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	9.887E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.209E-10	1.0000	0.000E+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+01 years

Water Dependent Pathways

Radio-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	3.379E-28	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	1.234E-12	0.0102
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.401E-12	0.0116
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.183E-10	0.9782
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.887E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.209E-10	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 Pathway	Radionuclides 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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
Pb-210	6.148E-29	0.0000	0.000E+00	0.0000	0.000E+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	7.679E-13	0.0064	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	4.682E-12	0.0387	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	2.275E-15	0.0000	0.000E+00	0.0000	0.000E+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	4.660E-13	0.0039	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	1.150E-10	0.9511	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.209E-10	1.0000	0.000E+00	0.0000	0.000E+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+01 years

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	6.148E-29	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	7.679E-13	0.0064
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.682E-12	0.0387
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.275E-15	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	4.660E-13	0.0039
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.150E-10	0.9511
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	1.209E-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= 1.000E+02 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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+02 years

0

Radon Pathway	Radionuclides							
	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-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	7.347E-28	0.0000	0.000E+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	2.144E-12	0.0176	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.405E-12	0.0115	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.186E-10	0.9709	0.000E+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	9.957E-29	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.221E-10	1.0000	0.000E+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+02 years

Water Dependent Pathways

Radio-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.347E-28	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	2.144E-12	0.0176
Ra-228	0.000E+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-12	0.0115
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.186E-10	0.9709
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.957E-29	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.221E-10	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 Radionuclides

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

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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
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	0.000E+00	0.0000
Ra-226	6.792E-13	0.0056	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	9.242E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	2.206E-26	0.0000	0.000E+00	0.0000	0.000E+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	1.465E-12	0.0120	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	1.200E-10	0.9824	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.221E-10	1.0000	0.000E+00	0.0000	0.000E+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+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.
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	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	6.792E-13	0.0056
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.242E-16	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.206E-26	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	1.465E-12	0.0120
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.200E-10	0.9824
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	1.221E-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-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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

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

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

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

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

Water Independent Pathways (Inhalation excludes radon)

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.692E-27	0.0000	0.000E+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	4.220E-12	0.0337	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.420E-12	0.0113	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.196E-10	0.9550	0.000E+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	1.016E-28	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.252E-10	1.0000	0.000E+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-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	1.692E-27	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	4.220E-12	0.0337
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.420E-12	0.0113
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.196E-10	0.9550
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	1.016E-28	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.252E-10	1.0000

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

0

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

0 Radionuclides

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

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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
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	0.000E+00	0.0000
Ra-226	4.784E-13	0.0038	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	2.400E-26	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	3.742E-12	0.0299	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	1.210E-10	0.9663	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.252E-10	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	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	4.784E-13	0.0038
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.400E-26	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	3.742E-12	0.0299
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.210E-10	0.9663
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-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= 1.000E+03 years

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
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
Ra-228	0.000E+00	0.000E+00	0.000E+00	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-228	0.000E+00	0.000E+00	0.000E+00	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
Th-232	0.000E+00	0.000E+00	0.000E+00	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 Pathway	Radionuclides							
	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-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.465E-27	0.0000	0.000E+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	7.846E-12	0.0592	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	1.471E-12	0.0111	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	1.232E-10	0.9297	0.000E+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	1.089E-28	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.325E-10	1.0000	0.000E+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-Nuclide	Water risk	Water fract.	Fish risk	Fish fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	All Pathways** risk	All Pathways** fract.
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	3.465E-27	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	7.846E-12	0.0592
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.471E-12	0.0111
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.232E-10	0.9297
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	1.089E-28	0.0000
Th-232	0.000E+00	0.0000	0.000E+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	1.325E-10	1.0000

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

0

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

0 Radionuclides

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

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

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-Nuclide	Ground risk	Ground fract.	Inhalation risk	Inhalation fract.	Radon risk	Radon fract.	Plant risk	Plant fract.	Meat risk	Meat fract.	Milk risk	Milk fract.	Soil risk	Soil fract.
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	0.000E+00	0.0000
Ra-226	1.403E-13	0.0011	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	7.705E-12	0.0581	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-232	1.247E-10	0.9408	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	1.325E-10	1.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	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	1.403E-13	0.0011
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	7.705E-12	0.0581
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.247E-10	0.9408
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	1.325E-10	1.0000

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

Table of Contents

Part IV: Concentration of Radionuclides

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
Pb-210	3.400E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	7.480E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.095E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.095E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.400E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.095E+05	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 = 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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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+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
Pb-210	3.524E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	7.614E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.093E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.095E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.400E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.095E+05	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+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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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 = 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
Pb-210	3.772E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	7.880E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.091E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.093E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.400E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.095E+05	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+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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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+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
Pb-210	4.643E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	8.806E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.086E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.088E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.400E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.095E+05	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+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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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 = 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
Pb-210	7.147E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	1.139E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.083E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.083E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.399E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.095E+05	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+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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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+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
Pb-210	1.556E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	1.972E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.082E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.082E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.396E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.095E+05	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+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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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 = 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
Pb-210	3.480E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	3.844E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.082E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.082E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.389E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.094E+05	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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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
Pb-210	6.629E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	6.904E+04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	1.081E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	1.081E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	3.364E+05	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	1.093E+05	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
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
Ra-228	0.000E+00	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-228	0.000E+00	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
Th-232	0.000E+00	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.

Table of Contents

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

Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	7.91E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-24
Ra-226	3.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08
Ra-228	6.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-08
Th-228	5.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-06
Th-230	4.86E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06

*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
Pb-210	8.18E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-24
Ra-226	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-08
Ra-228	6.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-08
Th-228	5.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-06
Th-230	4.86E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-06

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
Pb-210	8.70E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-24
Ra-226	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-08
Ra-228	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-08
Th-228	5.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-06
Th-230	4.86E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-06

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
Pb-210	1.08E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-23
Ra-226	4.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-08
Ra-228	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08
Th-228	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-06
Th-230	4.87E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06

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
Pb-210	1.65E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-23
Ra-226	5.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-08
Ra-228	6.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-08
Th-228	5.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-06
Th-230	4.88E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06

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
Pb-210	3.61E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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-23
Ra-226	9.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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-08
Ra-228	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08
Th-228	5.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-06
Th-230	4.91E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-06

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
Pb-210	8.21E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-23
Ra-226	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-07
Ra-228	6.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.25E-08
Th-228	5.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-06
Th-230	5.01E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06

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
Pb-210	1.68E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-22
Ra-226	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-07
Ra-228	6.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-08
Th-228	5.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-06
Th-230	5.37E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-24
Th-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-06

0*Sum of all water independent and dependent pathways.

Table of Contents

Part VI: Uncertainty Analysis

Probabilistic Input

0Number of Sample Runs: 1500

Number	Name	Distribution	Parameters							
1	DENSAQ	TRUNCATED NORMAL	1.52	.23	.001	.999				
2	DENSUZ(1)	TRUNCATED NORMAL	1.65	.23	.05	.95				
3	DROOT	LOGNORMAL-N	-1.9	.6						
4	HCUZ(1)	BOUNDED LOGNORMAL-N	7.6	.75	200	20000				
5	HCSZ	BOUNDED LOGNORMAL-N	2.3	2.11	.004	9250				
6	H(1)	BOUNDED LOGNORMAL-N	.42	.5	.5	4				
7	BCZ	BOUNDED LOGNORMAL-N	1.06	.66	.5	30				
8	BSZ	BOUNDED LOGNORMAL-N	1.06	.66	.5	30				
9	VCZ	CONTINUOUS LOGARITHMIC	3	.0000008	0	.000003	.5	.00006	1	
10	HCCZ	BOUNDED LOGNORMAL-N	7.6	.75	200	10000				
11	EVAPTR	UNIFORM	.5	.75						
12	RUNOFF	UNIFORM	.1	.8						
13	HGWT	BOUNDED LOGNORMAL-N	-5.11	1.77	.00007	.5				
14	WLAM	TRIANGULAR	5.1	18	84					
15	WIND	BOUNDED LOGNORMAL-N	1.445	.2419	1.4	13				
16	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003
.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1		
17	DM	TRIANGULAR	0	.15	.6					
18	DENSCZ	TRUNCATED NORMAL	1.65	.23	.05	.95				
19	INHALR	TRIANGULAR	4380	8400	13100					
20	SOIL	TRIANGULAR	0	18.3	36.5					
21	DCACTC(6)	BOUNDED LOGNORMAL-N	11	1	3200	89000				
22	DCACTU1(6)	LOGNORMAL-N	8.68	3.62						
23	DCACTU2(6)	LOGNORMAL-N	8.68	3.62						
24	DCACTS(6)	LOGNORMAL-N	8.68	3.62						
25	DCACTC(4)	BOUNDED LOGNORMAL-N	11	1	3200	89000				
26	DCACTU1(4)	LOGNORMAL-N	8.68	3.62						
27	DCACTU2(4)	LOGNORMAL-N	8.68	3.62						
28	DCACTS(4)	LOGNORMAL-N	8.68	3.62						
29	AREA	LOGUNIFORM	791	5725						
30	THICK0	BOUNDED LOGNORMAL-N	.2	.75	.3	3				
31	COVER0	TRIANGULAR	1	1.52	2					
32	DENSCV	TRUNCATED NORMAL	1.97	.23	.05	.95				
33	VCV	CONTINUOUS LOGARITHMIC	3	.0000008	0	.000003	.5	.00006	1	
34	H(2)	BOUNDED LOGNORMAL-N	2.9	.25	15.25	30.5				
35	DENSUZ(2)	TRUNCATED NORMAL	1.97	.23	.05	.95				
36	HCUZ(2)	BOUNDED LOGNORMAL-N	-4.08	.75	.0017	.17				
37	FOTD	TRIANGULAR	0	.0285	.057					
38	DCACTC(5)	BOUNDED LOGNORMAL-N	11	1	3200	89000				
39	DCACTU1(5)	LOGNORMAL-N	8.68	3.62						
40	DCACTU2(5)	LOGNORMAL-N	8.68	3.62						
41	DCACTS(5)	LOGNORMAL-N	8.68	3.62						
42	FR9	TRIANGULAR	0	.39	1					

0 Probabilistic 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
Pb-210										
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.25E-14	1.25E-14	1.21E-14	1.14E-14	9.14E-15	4.89E-15	5.47E-16	1.05E-18	0.00E+00
Avg	0.00E+00	3.26E-17	3.26E-17	3.16E-17	2.97E-17	2.38E-17	1.27E-17	1.40E-18	2.61E-21	0.00E+00
Std	0.00E+00	4.28E-16	4.28E-16	4.15E-16	3.90E-16	3.13E-16	1.67E-16	1.86E-17	3.56E-20	0.00E+00
Ra-226										
Min	0.00E+00	2.21E-13	2.21E-13	2.21E-13	2.20E-13	2.17E-13	2.09E-13	1.82E-13	1.22E-13	8.61E-15
Max	1.00E+03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.03E-03	1.01E-03	9.55E-04	8.11E-04	4.57E-04
Avg	6.67E+00	8.23E-06	8.23E-06	8.22E-06	8.20E-06	8.11E-06	7.88E-06	7.14E-06	5.51E-06	2.60E-06
Std	8.14E+01	5.19E-05	5.19E-05	5.19E-05	5.17E-05	5.13E-05	5.01E-05	4.63E-05	3.77E-05	2.05E-05
Ra-228										
Min	3.85E+00	5.26E-11	1.43E-11	3.45E-11	5.11E-11	3.52E-11	3.33E-12	6.48E-16	0.00E+00	0.00E+00
Max	4.08E+00	3.57E-02	1.22E-02	2.48E-02	3.50E-02	2.37E-02	2.28E-03	4.81E-07	1.51E-17	0.00E+00
Avg	4.01E+00	3.33E-04	1.08E-04	2.28E-04	3.25E-04	2.21E-04	2.10E-05	4.24E-09	1.20E-19	0.00E+00
Std	3.11E-02	1.88E-03	6.31E-04	1.30E-03	1.84E-03	1.25E-03	1.20E-04	2.46E-08	7.35E-19	0.00E+00
Th-228										
Min	0.00E+00	7.66E-11	7.66E-11	5.34E-11	2.59E-11	2.05E-12	1.46E-15	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	4.92E-02	4.92E-02	3.43E-02	1.66E-02	1.31E-03	9.38E-07	9.10E-18	0.00E+00	0.00E+00
Avg	0.00E+00	4.65E-04	4.65E-04	3.24E-04	1.57E-04	1.24E-05	8.89E-09	8.66E-20	0.00E+00	0.00E+00
Std	0.00E+00	2.61E-03	2.61E-03	1.82E-03	8.82E-04	6.98E-05	4.99E-08	4.85E-19	0.00E+00	0.00E+00
Th-230										
Min	7.81E+02	1.96E-12	2.18E-15	6.54E-15	1.52E-14	4.54E-14	1.29E-13	3.99E-13	9.97E-13	1.96E-12
Max	1.00E+03	5.77E+00	1.02E-05	3.06E-05	7.14E-05	2.14E-04	6.15E-04	1.97E-03	9.28E-01	5.77E+00
Avg	1.00E+03	3.95E-03	8.11E-08	2.43E-07	5.67E-07	1.69E-06	4.85E-06	1.53E-05	6.59E-04	3.95E-03
Std	6.72E+00	1.49E-01	5.11E-07	1.53E-06	3.57E-06	1.07E-05	3.07E-05	9.74E-05	2.39E-02	1.49E-01
Th-232										
Min	7.39E+01	9.50E-11	6.02E-13	3.65E-12	1.45E-11	5.36E-11	8.72E-11	9.08E-11	9.17E-11	9.50E-11
Max	1.00E+03	2.33E+01	5.70E-04	2.87E-03	1.04E-02	3.68E-02	5.95E-02	6.20E-02	3.56E+00	2.30E+01
Avg	9.96E+02	2.62E-02	4.96E-06	2.59E-05	9.55E-05	3.42E-04	5.54E-04	5.79E-04	2.97E-03	2.60E-02
Std	5.51E+01	7.15E-01	2.93E-05	1.50E-04	5.45E-04	1.94E-03	3.14E-03	3.28E-03	9.20E-02	7.09E-01
§ALL										
Min	0.00E+00	9.70E-11	9.18E-11	9.18E-11	9.16E-11	9.12E-11	9.09E-11	9.14E-11	9.29E-11	9.70E-11
Max	1.00E+03	2.33E+01	6.30E-02	6.30E-02	6.30E-02	6.31E-02	6.35E-02	6.49E-02	3.56E+00	2.30E+01
Avg	9.87E+02	3.01E-02	5.87E-04	5.87E-04	5.87E-04	5.86E-04	5.88E-04	6.02E-04	3.63E-03	2.99E-02
Std	1.10E+02	7.30E-01	3.33E-03	3.33E-03	3.33E-03	3.32E-03	3.34E-03	3.42E-03	9.51E-02	7.24E-01

§ALL is total dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.62E-19	2.54E-19	2.38E-19	1.92E-19	1.02E-19	1.15E-20	2.20E-23	0.00E+00
Avg	6.83E-22	6.62E-22	6.22E-22	4.99E-22	2.66E-22	2.93E-23	5.47E-26	0.00E+00
Std	8.98E-21	8.70E-21	8.17E-21	6.56E-21	3.50E-21	3.91E-22	9.67E-25	0.00E+00
Ra-226								
Min	5.04E-18	5.03E-18	5.01E-18	4.94E-18	4.75E-18	4.14E-18	2.79E-18	1.96E-19
Max	2.36E-08	2.36E-08	2.35E-08	2.34E-08	2.30E-08	2.17E-08	1.84E-08	1.04E-08
Avg	1.87E-10	1.87E-10	1.87E-10	1.85E-10	1.79E-10	1.62E-10	1.25E-10	5.92E-11
Std	1.18E-09	1.18E-09	1.18E-09	1.17E-09	1.14E-09	1.05E-09	8.58E-10	4.66E-10
Ra-228								
Min	4.61E-18	6.01E-16	1.13E-15	8.48E-16	8.11E-17	1.58E-20	0.00E+00	0.00E+00
Max	7.46E-08	4.50E-07	7.75E-07	5.71E-07	5.56E-08	1.17E-11	3.66E-22	0.00E+00
Avg	5.38E-10	4.10E-09	7.21E-09	5.32E-09	5.12E-10	1.03E-13	2.92E-24	0.00E+00
Std	3.62E-09	2.35E-08	4.09E-08	3.01E-08	2.91E-09	5.98E-13	1.79E-23	0.00E+00
Th-228								
Min	2.09E-15	1.46E-15	7.06E-16	5.59E-17	3.99E-20	0.00E+00	0.00E+00	0.00E+00
Max	1.34E-06	9.36E-07	4.53E-07	3.59E-08	2.56E-11	2.48E-22	0.00E+00	0.00E+00
Avg	1.27E-08	8.85E-09	4.29E-09	3.40E-10	2.43E-13	2.37E-24	0.00E+00	0.00E+00
Std	7.14E-08	4.97E-08	2.41E-08	1.91E-09	1.36E-12	1.33E-23	0.00E+00	0.00E+00
Th-230								
Min	0.00E+00	9.92E-20	2.97E-19	9.83E-19	2.89E-18	9.03E-18	2.26E-17	4.46E-17
Max	6.71E-19	4.64E-10	1.39E-09	4.63E-09	1.38E-08	4.47E-08	6.29E-06	4.78E-05
Avg	1.61E-21	3.69E-12	1.10E-11	3.66E-11	1.08E-10	3.45E-10	5.12E-09	3.41E-08
Std	2.23E-20	2.33E-11	6.97E-11	2.31E-10	6.87E-10	2.21E-09	1.62E-07	1.23E-06
Th-232								
Min	0.00E+00	3.95E-17	2.61E-16	1.18E-15	1.99E-15	2.08E-15	2.10E-15	2.18E-15
Max	1.92E-21	3.35E-08	1.90E-07	8.10E-07	1.36E-06	1.42E-06	6.43E-06	5.39E-05
Avg	4.03E-24	2.98E-10	1.74E-09	7.53E-09	1.27E-08	1.33E-08	1.79E-08	6.93E-08
Std	6.14E-23	1.74E-09	9.96E-09	4.27E-08	7.17E-08	7.51E-08	1.83E-07	1.57E-06
§ALL								
Min	2.10E-15	2.10E-15	2.10E-15	2.09E-15	2.08E-15	2.09E-15	2.13E-15	2.22E-15
Max	1.44E-06	1.44E-06	1.44E-06	1.44E-06	1.45E-06	1.49E-06	6.44E-06	5.39E-05
Avg	1.34E-08	1.34E-08	1.34E-08	1.34E-08	1.35E-08	1.38E-08	2.31E-08	1.03E-07
Std	7.62E-08	7.62E-08	7.62E-08	7.61E-08	7.65E-08	7.83E-08	2.46E-07	1.99E-06

§ALL is total risk summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Ground External

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

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210								
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	1.25E-14	1.21E-14	1.14E-14	9.14E-15	4.89E-15	5.47E-16	1.05E-18	0.00E+00
Avg	3.26E-17	3.16E-17	2.97E-17	2.38E-17	1.27E-17	1.40E-18	2.61E-21	0.00E+00
Std	4.28E-16	4.15E-16	3.90E-16	3.13E-16	1.67E-16	1.86E-17	3.56E-20	0.00E+00
Ra-226								
Min	2.21E-13	2.21E-13	2.20E-13	2.17E-13	2.09E-13	1.82E-13	1.22E-13	8.61E-15
Max	1.04E-03	1.04E-03	1.03E-03	1.03E-03	1.01E-03	9.55E-04	8.11E-04	4.57E-04
Avg	8.23E-06	8.22E-06	8.20E-06	8.11E-06	7.88E-06	7.14E-06	5.51E-06	2.60E-06
Std	5.19E-05	5.19E-05	5.17E-05	5.13E-05	5.01E-05	4.63E-05	3.77E-05	2.05E-05
Ra-228								
Min	1.43E-11	3.45E-11	5.11E-11	3.52E-11	3.33E-12	6.48E-16	0.00E+00	0.00E+00
Max	1.22E-02	2.48E-02	3.50E-02	2.37E-02	2.28E-03	4.81E-07	1.51E-17	0.00E+00
Avg	1.08E-04	2.28E-04	3.25E-04	2.21E-04	2.10E-05	4.24E-09	1.20E-19	0.00E+00
Std	6.31E-04	1.30E-03	1.84E-03	1.25E-03	1.20E-04	2.46E-08	7.35E-19	0.00E+00
Th-228								
Min	7.66E-11	5.34E-11	2.59E-11	2.05E-12	1.46E-15	0.00E+00	0.00E+00	0.00E+00
Max	4.92E-02	3.43E-02	1.66E-02	1.31E-03	9.38E-07	9.10E-18	0.00E+00	0.00E+00
Avg	4.65E-04	3.24E-04	1.57E-04	1.24E-05	8.89E-09	8.66E-20	0.00E+00	0.00E+00
Std	2.61E-03	1.82E-03	8.82E-04	6.98E-05	4.99E-08	4.85E-19	0.00E+00	0.00E+00
Th-230								
Min	2.18E-15	6.54E-15	1.52E-14	4.54E-14	1.29E-13	3.99E-13	9.97E-13	1.96E-12
Max	1.02E-05	3.06E-05	7.14E-05	2.14E-04	6.15E-04	1.97E-03	5.47E-03	1.43E-02
Avg	8.11E-08	2.43E-07	5.67E-07	1.69E-06	4.85E-06	1.53E-05	4.06E-05	1.00E-04
Std	5.11E-07	1.53E-06	3.57E-06	1.07E-05	3.07E-05	9.74E-05	2.65E-04	6.84E-04
Th-232								
Min	6.02E-13	3.65E-12	1.45E-11	5.36E-11	8.72E-11	9.08E-11	9.17E-11	9.50E-11
Max	5.70E-04	2.87E-03	1.04E-02	3.68E-02	5.95E-02	6.20E-02	6.26E-02	6.47E-02
Avg	4.96E-06	2.59E-05	9.55E-05	3.42E-04	5.54E-04	5.79E-04	5.93E-04	6.50E-04
Std	2.93E-05	1.50E-04	5.45E-04	1.94E-03	3.14E-03	3.28E-03	3.34E-03	3.61E-03
§ALL								
Min	9.18E-11	9.18E-11	9.16E-11	9.12E-11	9.09E-11	9.14E-11	9.29E-11	9.70E-11
Max	6.30E-02	6.30E-02	6.30E-02	6.31E-02	6.35E-02	6.49E-02	6.88E-02	7.92E-02
Avg	5.87E-04	5.87E-04	5.87E-04	5.86E-04	5.88E-04	6.02E-04	6.39E-04	7.52E-04
Std	3.33E-03	3.33E-03	3.33E-03	3.32E-03	3.34E-03	3.42E-03	3.64E-03	4.30E-03

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)

0Nuclide (j)	t=	DOSE(i,j,t), mrem/yr 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
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
Ra-226									
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
Ra-228									
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
Th-228									
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
Th-230									
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
Th-232									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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				
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.)
0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Soil Ingestion

0Nuclide (j)	t=	DOSE(i,j,t), mrem/yr 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
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
Ra-226									
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
Ra-228									
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
Th-228									
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
Th-230									
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
Th-232									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Water Ingestion

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
				DOSE(i,j,t), mrem/yr				
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-01	5.77E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-04	3.85E-03
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-02	1.49E-01
Th-232								
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	3.56E+00	2.30E+01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	2.53E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-02	7.09E-01
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E+00	2.30E+01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-03	2.92E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-02	7.24E-01

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Plant (Water Dep.)
0Nuclide DOSE(i,j,t), mrem/yr

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic 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
Pb-210								
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
Ra-226								
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
Ra-228								
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
Th-228								
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
Th-230								
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
Th-232								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
§ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

§ALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.83E-09	2.86E-09	3.02E-09	3.96E-09
0.050	1.08E-08	1.08E-08	1.08E-08	1.07E-08	1.08E-08	1.12E-08	1.16E-08	1.30E-08
0.075	2.00E-08	2.00E-08	2.00E-08	1.99E-08	1.99E-08	2.00E-08	2.07E-08	2.36E-08
0.100	4.51E-08	4.51E-08	4.51E-08	4.48E-08	4.47E-08	4.55E-08	4.61E-08	5.03E-08
0.125	6.86E-08	6.86E-08	6.86E-08	6.86E-08	6.86E-08	6.91E-08	7.48E-08	8.32E-08
0.150	1.07E-07	1.07E-07	1.07E-07	1.07E-07	1.06E-07	1.07E-07	1.16E-07	1.36E-07
0.175	1.59E-07	1.59E-07	1.59E-07	1.59E-07	1.59E-07	1.61E-07	1.66E-07	1.87E-07
0.200	2.42E-07	2.42E-07	2.42E-07	2.41E-07	2.41E-07	2.46E-07	2.55E-07	2.74E-07
0.225	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.44E-07	3.50E-07	3.64E-07	3.96E-07
0.250	4.86E-07	4.86E-07	4.86E-07	4.86E-07	4.86E-07	4.91E-07	5.07E-07	5.54E-07
0.275	6.40E-07	6.39E-07	6.38E-07	6.29E-07	6.34E-07	6.46E-07	6.77E-07	7.71E-07
0.300	8.46E-07	8.46E-07	8.43E-07	8.40E-07	8.41E-07	8.49E-07	8.72E-07	1.04E-06
0.325	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.13E-06	1.21E-06	1.39E-06
0.350	1.52E-06	1.52E-06	1.52E-06	1.51E-06	1.52E-06	1.55E-06	1.61E-06	1.83E-06
0.375	1.99E-06	1.99E-06	1.98E-06	1.96E-06	1.95E-06	1.98E-06	2.09E-06	2.29E-06
0.400	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.55E-06	2.58E-06	2.68E-06	3.05E-06
0.425	3.12E-06	3.12E-06	3.12E-06	3.12E-06	3.13E-06	3.23E-06	3.44E-06	4.03E-06
0.450	4.00E-06	4.00E-06	3.99E-06	3.98E-06	3.98E-06	4.16E-06	4.32E-06	4.89E-06
0.475	4.83E-06	4.83E-06	4.84E-06	4.83E-06	4.83E-06	4.91E-06	5.16E-06	6.31E-06
0.500	6.48E-06	6.48E-06	6.46E-06	6.42E-06	6.43E-06	6.51E-06	6.78E-06	8.07E-06
0.525	8.52E-06	8.51E-06	8.49E-06	8.42E-06	8.50E-06	8.67E-06	9.06E-06	1.01E-05
0.550	1.10E-05	1.10E-05	1.10E-05	1.10E-05	1.10E-05	1.13E-05	1.20E-05	1.37E-05
0.575	1.42E-05	1.42E-05	1.42E-05	1.41E-05	1.41E-05	1.45E-05	1.53E-05	1.73E-05
0.600	1.77E-05	1.77E-05	1.77E-05	1.75E-05	1.74E-05	1.79E-05	1.85E-05	2.23E-05
0.625	2.27E-05	2.27E-05	2.27E-05	2.27E-05	2.28E-05	2.30E-05	2.42E-05	2.87E-05
0.650	3.01E-05	3.01E-05	3.00E-05	2.99E-05	2.99E-05	3.10E-05	3.26E-05	3.67E-05
0.675	3.71E-05	3.71E-05	3.72E-05	3.73E-05	3.77E-05	3.92E-05	4.12E-05	4.87E-05
0.700	4.77E-05	4.77E-05	4.76E-05	4.74E-05	4.74E-05	4.85E-05	5.13E-05	6.13E-05
0.725	6.53E-05	6.53E-05	6.52E-05	6.49E-05	6.48E-05	6.55E-05	6.75E-05	7.86E-05
0.750	8.94E-05	8.94E-05	8.92E-05	8.89E-05	8.92E-05	9.03E-05	9.74E-05	1.09E-04
0.775	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.29E-04	1.34E-04	1.48E-04
0.800	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.60E-04	1.75E-04	2.05E-04
0.825	2.09E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.11E-04	2.22E-04	2.76E-04
0.850	2.79E-04	2.79E-04	2.79E-04	2.78E-04	2.78E-04	2.85E-04	3.02E-04	3.48E-04
0.875	4.21E-04	4.21E-04	4.21E-04	4.22E-04	4.24E-04	4.29E-04	4.62E-04	5.45E-04
0.900	6.70E-04	6.70E-04	6.70E-04	6.67E-04	6.67E-04	6.75E-04	7.08E-04	8.41E-04
0.925	1.09E-03	1.09E-03	1.09E-03	1.10E-03	1.11E-03	1.15E-03	1.22E-03	1.54E-03
0.950	2.02E-03	2.02E-03	2.02E-03	2.02E-03	2.02E-03	2.05E-03	2.24E-03	2.98E-03
0.975	4.98E-03	4.98E-03	4.98E-03	4.98E-03	5.01E-03	5.10E-03	5.97E-03	7.34E-03
1.000	6.30E-02	6.30E-02	6.30E-02	6.31E-02	6.35E-02	6.49E-02	3.56E+00	2.30E+01

Summary of dose at graphical times, reptition 1

Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.91E-10	2.60E-02	6.11E-04	7.14E-06	7.50E-04	3.48E-03	8.04E-03	1.66E-02
1.00E+00	1.91E-10	2.60E-02	6.11E-04	7.14E-06	7.49E-04	3.48E-03	8.05E-03	1.67E-02
1.30E+00	1.91E-10	2.60E-02	6.11E-04	7.14E-06	7.49E-04	3.48E-03	8.05E-03	1.67E-02
1.70E+00	1.91E-10	2.60E-02	6.11E-04	7.13E-06	7.48E-04	3.48E-03	8.05E-03	1.67E-02
2.22E+00	1.91E-10	2.60E-02	6.11E-04	7.13E-06	7.48E-04	3.48E-03	8.05E-03	1.67E-02
2.89E+00	1.91E-10	2.60E-02	6.11E-04	7.12E-06	7.47E-04	3.48E-03	8.05E-03	1.66E-02
3.00E+00	1.91E-10	2.60E-02	6.11E-04	7.12E-06	7.47E-04	3.47E-03	8.05E-03	1.66E-02
3.78E+00	1.91E-10	2.60E-02	6.10E-04	7.10E-06	7.46E-04	3.47E-03	8.05E-03	1.66E-02
4.92E+00	1.91E-10	2.59E-02	6.10E-04	7.09E-06	7.45E-04	3.47E-03	8.05E-03	1.66E-02
6.42E+00	1.90E-10	2.59E-02	6.10E-04	7.07E-06	7.43E-04	3.47E-03	8.05E-03	1.66E-02
8.38E+00	1.90E-10	2.59E-02	6.10E-04	7.05E-06	7.41E-04	3.47E-03	8.05E-03	1.66E-02
1.00E+01	1.90E-10	2.59E-02	6.10E-04	7.03E-06	7.40E-04	3.47E-03	8.05E-03	1.66E-02
1.09E+01	1.90E-10	2.59E-02	6.10E-04	7.02E-06	7.39E-04	3.47E-03	8.05E-03	1.66E-02
1.43E+01	1.90E-10	2.59E-02	6.10E-04	7.00E-06	7.38E-04	3.47E-03	8.06E-03	1.67E-02
1.86E+01	1.90E-10	2.60E-02	6.10E-04	6.99E-06	7.37E-04	3.47E-03	8.07E-03	1.67E-02
2.42E+01	1.91E-10	2.60E-02	6.11E-04	6.99E-06	7.36E-04	3.47E-03	8.08E-03	1.67E-02
3.00E+01	1.91E-10	2.60E-02	6.12E-04	6.99E-06	7.36E-04	3.48E-03	8.10E-03	1.67E-02
3.16E+01	1.92E-10	2.60E-02	6.13E-04	6.99E-06	7.36E-04	3.48E-03	8.10E-03	1.67E-02
4.12E+01	1.93E-10	2.61E-02	6.15E-04	7.00E-06	7.38E-04	3.49E-03	8.13E-03	1.68E-02
5.38E+01	1.95E-10	2.62E-02	6.18E-04	7.03E-06	7.39E-04	3.50E-03	8.17E-03	1.69E-02
7.02E+01	1.97E-10	2.63E-02	6.22E-04	7.05E-06	7.42E-04	3.51E-03	8.22E-03	1.70E-02
9.15E+01	2.01E-10	2.65E-02	6.26E-04	7.09E-06	7.45E-04	3.53E-03	8.28E-03	1.72E-02
1.00E+02	2.02E-10	2.65E-02	6.28E-04	7.11E-06	7.46E-04	3.54E-03	8.31E-03	1.72E-02
1.19E+02	2.05E-10	2.67E-02	6.33E-04	7.14E-06	7.59E-04	3.56E-03	8.36E-03	1.73E-02
1.56E+02	2.11E-10	2.69E-02	6.41E-04	7.20E-06	7.80E-04	3.59E-03	8.47E-03	1.76E-02
2.03E+02	2.18E-10	2.72E-02	6.51E-04	7.24E-06	7.86E-04	3.63E-03	8.61E-03	1.79E-02
2.65E+02	2.29E-10	2.76E-02	6.64E-04	7.28E-06	7.92E-04	3.68E-03	8.79E-03	1.83E-02
3.00E+02	2.35E-10	2.78E-02	6.71E-04	7.30E-06	7.95E-04	3.71E-03	8.88E-03	1.85E-02
3.46E+02	2.43E-10	2.81E-02	6.81E-04	7.33E-06	7.99E-04	3.74E-03	9.01E-03	1.88E-02
4.51E+02	2.63E-10	2.86E-02	7.02E-04	7.47E-06	8.07E-04	3.82E-03	9.30E-03	1.94E-02
5.88E+02	2.91E-10	2.92E-02	7.29E-04	7.66E-06	8.16E-04	3.90E-03	9.66E-03	2.02E-02
7.67E+02	3.24E-10	2.99E-02	7.65E-04	7.97E-06	8.26E-04	4.01E-03	1.01E-02	2.23E-02
1.00E+03	3.30E-10	3.06E-02	8.11E-04	8.32E-06	8.45E-04	4.13E-03	1.07E-02	2.64E-02

Summary of dose at graphical times, reptition 2

Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	3.18E-10	4.60E-02	6.83E-04	4.87E-06	6.19E-04	2.43E-03	6.69E-03	2.19E-02
1.00E+00	3.18E-10	4.60E-02	6.83E-04	4.87E-06	6.19E-04	2.43E-03	6.69E-03	2.19E-02
1.30E+00	3.18E-10	4.60E-02	6.83E-04	4.87E-06	6.19E-04	2.43E-03	6.69E-03	2.19E-02
1.70E+00	3.18E-10	4.60E-02	6.83E-04	4.87E-06	6.19E-04	2.43E-03	6.70E-03	2.19E-02
2.22E+00	3.18E-10	4.60E-02	6.83E-04	4.87E-06	6.20E-04	2.43E-03	6.70E-03	2.19E-02
2.89E+00	3.18E-10	4.60E-02	6.83E-04	4.86E-06	6.20E-04	2.43E-03	6.70E-03	2.20E-02
3.00E+00	3.18E-10	4.60E-02	6.83E-04	4.86E-06	6.20E-04	2.43E-03	6.70E-03	2.20E-02
3.78E+00	3.17E-10	4.59E-02	6.83E-04	4.86E-06	6.20E-04	2.43E-03	6.70E-03	2.20E-02
4.92E+00	3.17E-10	4.59E-02	6.82E-04	4.86E-06	6.20E-04	2.43E-03	6.70E-03	2.20E-02
6.42E+00	3.17E-10	4.59E-02	6.82E-04	4.85E-06	6.20E-04	2.43E-03	6.71E-03	2.20E-02
8.38E+00	3.16E-10	4.58E-02	6.82E-04	4.85E-06	6.20E-04	2.43E-03	6.71E-03	2.20E-02
1.00E+01	3.16E-10	4.58E-02	6.82E-04	4.85E-06	6.20E-04	2.43E-03	6.72E-03	2.20E-02
1.09E+01	3.16E-10	4.58E-02	6.82E-04	4.85E-06	6.20E-04	2.43E-03	6.72E-03	2.20E-02
1.43E+01	3.16E-10	4.58E-02	6.82E-04	4.84E-06	6.21E-04	2.43E-03	6.74E-03	2.20E-02
1.86E+01	3.15E-10	4.58E-02	6.82E-04	4.84E-06	6.21E-04	2.43E-03	6.75E-03	2.20E-02
2.42E+01	3.15E-10	4.58E-02	6.83E-04	4.85E-06	6.22E-04	2.44E-03	6.78E-03	2.21E-02
3.00E+01	3.15E-10	4.59E-02	6.84E-04	4.85E-06	6.24E-04	2.44E-03	6.81E-03	2.21E-02
3.16E+01	3.15E-10	4.59E-02	6.85E-04	4.85E-06	6.24E-04	2.44E-03	6.82E-03	2.21E-02
4.12E+01	3.15E-10	4.60E-02	6.87E-04	4.86E-06	6.26E-04	2.45E-03	6.86E-03	2.22E-02
5.38E+01	3.16E-10	4.62E-02	6.90E-04	4.88E-06	6.28E-04	2.45E-03	6.92E-03	2.22E-02
7.02E+01	3.16E-10	4.65E-02	6.94E-04	4.90E-06	6.31E-04	2.47E-03	7.01E-03	2.24E-02
9.15E+01	3.16E-10	4.68E-02	7.00E-04	4.92E-06	6.36E-04	2.48E-03	7.11E-03	2.25E-02
1.00E+02	3.16E-10	4.69E-02	7.02E-04	4.93E-06	6.37E-04	2.49E-03	7.16E-03	2.26E-02
1.19E+02	3.17E-10	4.72E-02	7.06E-04	4.94E-06	6.41E-04	2.50E-03	7.22E-03	2.27E-02
1.56E+02	3.17E-10	4.77E-02	7.15E-04	4.96E-06	6.48E-04	2.52E-03	7.35E-03	2.29E-02
2.03E+02	3.18E-10	4.82E-02	7.26E-04	4.98E-06	6.57E-04	2.55E-03	7.51E-03	2.32E-02
2.65E+02	3.19E-10	4.90E-02	7.40E-04	5.03E-06	6.69E-04	2.59E-03	7.71E-03	2.36E-02
3.00E+02	3.19E-10	4.93E-02	7.48E-04	5.09E-06	6.75E-04	2.61E-03	7.83E-03	2.38E-02
3.46E+02	3.20E-10	4.98E-02	7.58E-04	5.14E-06	6.82E-04	2.63E-03	7.97E-03	2.40E-02
4.51E+02	3.21E-10	5.08E-02	7.80E-04	5.18E-06	6.90E-04	2.69E-03	8.12E-03	2.46E-02
5.88E+02	3.22E-10	5.19E-02	8.09E-04	5.22E-06	7.04E-04	2.76E-03	8.23E-03	2.53E-02
7.67E+02	3.24E-10	5.32E-02	8.45E-04	5.43E-06	7.35E-04	2.85E-03	8.34E-03	2.64E-02
1.00E+03	3.26E-10	5.47E-02	8.93E-04	5.72E-06	7.47E-04	2.94E-03	8.46E-03	3.07E-02

Summary of dose at graphical times, reptition 3

Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.96E-04	1.36E-03	6.05E-03	2.65E-02
1.00E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.96E-04	1.36E-03	6.05E-03	2.65E-02
1.30E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.96E-04	1.36E-03	6.05E-03	2.65E-02
1.70E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.96E-04	1.36E-03	6.05E-03	2.65E-02
2.22E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.95E-04	1.37E-03	6.05E-03	2.65E-02
2.89E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.95E-04	1.37E-03	6.05E-03	2.64E-02
3.00E+00	1.68E-10	6.30E-02	7.86E-04	7.68E-06	4.95E-04	1.37E-03	6.05E-03	2.64E-02
3.78E+00	1.68E-10	6.30E-02	7.86E-04	7.67E-06	4.95E-04	1.37E-03	6.05E-03	2.64E-02
4.92E+00	1.68E-10	6.30E-02	7.85E-04	7.67E-06	4.95E-04	1.37E-03	6.05E-03	2.63E-02
6.42E+00	1.68E-10	6.31E-02	7.85E-04	7.67E-06	4.95E-04	1.37E-03	6.04E-03	2.63E-02
8.38E+00	1.68E-10	6.31E-02	7.85E-04	7.67E-06	4.95E-04	1.37E-03	6.04E-03	2.62E-02
1.00E+01	1.68E-10	6.31E-02	7.84E-04	7.67E-06	4.95E-04	1.37E-03	6.04E-03	2.61E-02
1.09E+01	1.68E-10	6.31E-02	7.84E-04	7.67E-06	4.95E-04	1.37E-03	6.04E-03	2.61E-02
1.43E+01	1.68E-10	6.32E-02	7.84E-04	7.67E-06	4.95E-04	1.37E-03	6.04E-03	2.60E-02
1.86E+01	1.68E-10	6.32E-02	7.85E-04	7.68E-06	4.95E-04	1.37E-03	6.04E-03	2.60E-02
2.42E+01	1.68E-10	6.33E-02	7.86E-04	7.68E-06	4.96E-04	1.37E-03	6.05E-03	2.60E-02
3.00E+01	1.68E-10	6.35E-02	7.87E-04	7.69E-06	4.96E-04	1.38E-03	6.05E-03	2.60E-02
3.16E+01	1.68E-10	6.35E-02	7.87E-04	7.69E-06	4.96E-04	1.38E-03	6.06E-03	2.60E-02
4.12E+01	1.68E-10	6.37E-02	7.90E-04	7.70E-06	4.98E-04	1.38E-03	6.07E-03	2.60E-02
5.38E+01	1.68E-10	6.40E-02	7.93E-04	7.71E-06	4.99E-04	1.39E-03	6.09E-03	2.61E-02
7.02E+01	1.68E-10	6.43E-02	7.97E-04	7.73E-06	5.01E-04	1.40E-03	6.12E-03	2.61E-02
9.15E+01	1.68E-10	6.48E-02	8.02E-04	7.75E-06	5.04E-04	1.41E-03	6.15E-03	2.62E-02
1.00E+02	1.68E-10	6.49E-02	8.04E-04	7.76E-06	5.05E-04	1.41E-03	6.16E-03	2.63E-02
1.19E+02	1.69E-10	6.53E-02	8.09E-04	7.78E-06	5.08E-04	1.42E-03	6.19E-03	2.63E-02
1.56E+02	1.69E-10	6.61E-02	1.04E-03	7.99E-06	5.17E-04	1.66E-03	7.70E-03	5.88E-02
2.03E+02	1.69E-10	3.41E-01	1.96E-03	8.06E-06	5.27E-04	1.71E-03	7.77E-03	6.00E-02
2.65E+02	1.70E-10	7.11E-01	3.21E-03	8.15E-06	5.31E-04	1.78E-03	7.84E-03	6.15E-02
3.00E+02	1.70E-10	9.28E-01	3.94E-03	8.18E-06	5.34E-04	1.82E-03	7.88E-03	6.24E-02
3.46E+02	1.71E-10	1.22E+00	4.91E-03	8.21E-06	5.37E-04	1.87E-03	7.92E-03	6.35E-02
4.51E+02	1.71E-10	1.92E+00	7.26E-03	8.27E-06	5.44E-04	1.99E-03	8.01E-03	6.60E-02
5.88E+02	1.72E-10	2.89E+00	1.05E-02	8.33E-06	5.55E-04	2.05E-03	8.10E-03	6.92E-02
7.67E+02	1.74E-10	2.33E+01	9.27E-02	8.63E-06	6.07E-04	2.40E-03	9.64E-03	7.62E-02
1.00E+03	1.75E-10	2.30E+01	9.70E-02	8.74E-06	7.04E-04	2.73E-03	9.68E-03	7.92E-02

Summary of dose at graphical times, reptition 4

Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.92E-10	1.91E-02	4.41E-04	5.80E-06	9.01E-04	2.65E-03	5.31E-03	8.17E-03
1.00E+00	2.91E-10	1.91E-02	4.41E-04	5.79E-06	9.01E-04	2.65E-03	5.31E-03	8.17E-03
1.30E+00	2.91E-10	1.91E-02	4.41E-04	5.79E-06	9.01E-04	2.65E-03	5.31E-03	8.17E-03
1.70E+00	2.91E-10	1.91E-02	4.41E-04	5.79E-06	9.01E-04	2.65E-03	5.30E-03	8.17E-03
2.22E+00	2.91E-10	1.91E-02	4.41E-04	5.79E-06	9.01E-04	2.65E-03	5.30E-03	8.17E-03
2.89E+00	2.91E-10	1.91E-02	4.41E-04	5.79E-06	9.01E-04	2.65E-03	5.30E-03	8.16E-03
3.00E+00	2.91E-10	1.91E-02	4.41E-04	5.78E-06	9.01E-04	2.65E-03	5.30E-03	8.16E-03
3.78E+00	2.90E-10	1.91E-02	4.41E-04	5.78E-06	9.00E-04	2.65E-03	5.29E-03	8.16E-03
4.92E+00	2.90E-10	1.91E-02	4.41E-04	5.78E-06	9.00E-04	2.65E-03	5.29E-03	8.16E-03
6.42E+00	2.89E-10	1.91E-02	4.41E-04	5.78E-06	9.00E-04	2.65E-03	5.28E-03	8.16E-03
8.38E+00	2.88E-10	1.91E-02	4.40E-04	5.78E-06	9.00E-04	2.65E-03	5.27E-03	8.15E-03
1.00E+01	2.88E-10	1.91E-02	4.40E-04	5.79E-06	9.00E-04	2.65E-03	5.26E-03	8.15E-03
1.09E+01	2.87E-10	1.91E-02	4.40E-04	5.79E-06	9.00E-04	2.65E-03	5.26E-03	8.15E-03
1.43E+01	2.87E-10	1.91E-02	4.40E-04	5.80E-06	9.00E-04	2.65E-03	5.25E-03	8.15E-03
1.86E+01	2.86E-10	1.91E-02	4.41E-04	5.81E-06	9.00E-04	2.65E-03	5.25E-03	8.15E-03
2.42E+01	2.86E-10	1.91E-02	4.41E-04	5.83E-06	9.01E-04	2.65E-03	5.25E-03	8.16E-03
3.00E+01	2.86E-10	1.92E-02	4.42E-04	5.85E-06	9.02E-04	2.65E-03	5.26E-03	8.17E-03
3.16E+01	2.86E-10	1.92E-02	4.42E-04	5.86E-06	9.02E-04	2.66E-03	5.26E-03	8.17E-03
4.12E+01	2.86E-10	1.92E-02	4.43E-04	5.90E-06	9.04E-04	2.66E-03	5.27E-03	8.19E-03
5.38E+01	2.86E-10	1.93E-02	4.45E-04	5.95E-06	9.06E-04	2.67E-03	5.29E-03	8.22E-03
7.02E+01	2.87E-10	1.94E-02	4.48E-04	6.01E-06	9.09E-04	2.68E-03	5.32E-03	8.25E-03
9.15E+01	2.88E-10	1.95E-02	4.51E-04	6.10E-06	9.13E-04	2.69E-03	5.35E-03	8.29E-03
1.00E+02	2.88E-10	1.96E-02	4.52E-04	6.13E-06	9.15E-04	2.70E-03	5.36E-03	8.31E-03
1.19E+02	2.89E-10	1.97E-02	4.55E-04	6.19E-06	9.18E-04	2.71E-03	5.39E-03	8.34E-03
1.56E+02	2.90E-10	1.98E-02	4.61E-04	6.25E-06	9.24E-04	2.73E-03	5.44E-03	8.41E-03
2.03E+02	2.92E-10	2.01E-02	4.67E-04	6.32E-06	9.32E-04	2.76E-03	5.51E-03	8.55E-03
2.65E+02	2.94E-10	1.68E+00	6.09E-03	6.41E-06	9.74E-04	3.25E-03	6.54E-03	1.29E-02
3.00E+02	2.95E-10	3.56E+00	1.24E-02	6.47E-06	9.79E-04	3.28E-03	6.59E-03	1.30E-02
3.46E+02	2.97E-10	6.00E+00	2.05E-02	6.63E-06	9.87E-04	3.31E-03	6.64E-03	1.32E-02
4.51E+02	3.00E-10	1.16E+01	3.93E-02	6.89E-06	1.02E-03	3.35E-03	6.77E-03	1.36E-02
5.88E+02	3.05E-10	1.50E+01	5.05E-02	7.31E-06	1.04E-03	3.39E-03	6.92E-03	1.41E-02
7.67E+02	3.10E-10	1.50E+01	5.04E-02	7.66E-06	1.07E-03	3.44E-03	7.11E-03	1.47E-02
1.00E+03	3.18E-10	1.50E+01	5.04E-02	8.03E-06	1.10E-03	3.50E-03	7.33E-03	1.55E-02

Summary of dose at graphical times, reptition 5

Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	9.18E-11	2.61E-02	4.13E-04	6.88E-06	6.93E-04	1.66E-03	3.79E-03	8.81E-03
1.00E+00	9.18E-11	2.61E-02	4.13E-04	6.88E-06	6.93E-04	1.66E-03	3.79E-03	8.82E-03
1.30E+00	9.17E-11	2.61E-02	4.13E-04	6.88E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
1.70E+00	9.17E-11	2.61E-02	4.13E-04	6.88E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
2.22E+00	9.17E-11	2.61E-02	4.12E-04	6.88E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
2.89E+00	9.16E-11	2.60E-02	4.12E-04	6.88E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
3.00E+00	9.16E-11	2.60E-02	4.12E-04	6.88E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
3.78E+00	9.16E-11	2.60E-02	4.12E-04	6.87E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
4.92E+00	9.15E-11	2.60E-02	4.12E-04	6.87E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
6.42E+00	9.14E-11	2.60E-02	4.12E-04	6.86E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
8.38E+00	9.12E-11	2.60E-02	4.12E-04	6.86E-06	6.92E-04	1.66E-03	3.79E-03	8.82E-03
1.00E+01	9.12E-11	2.60E-02	4.12E-04	6.86E-06	6.91E-04	1.66E-03	3.79E-03	8.82E-03
1.09E+01	9.11E-11	2.60E-02	4.12E-04	6.85E-06	6.91E-04	1.66E-03	3.79E-03	8.82E-03
1.43E+01	9.10E-11	2.60E-02	4.12E-04	6.85E-06	6.92E-04	1.67E-03	3.79E-03	8.82E-03
1.86E+01	9.09E-11	2.61E-02	4.12E-04	6.86E-06	6.92E-04	1.67E-03	3.79E-03	8.83E-03
2.42E+01	9.09E-11	2.61E-02	4.12E-04	6.86E-06	6.93E-04	1.67E-03	3.79E-03	8.84E-03
3.00E+01	9.09E-11	2.61E-02	4.13E-04	6.87E-06	6.94E-04	1.67E-03	3.80E-03	8.85E-03
3.16E+01	9.09E-11	2.61E-02	4.13E-04	6.88E-06	6.95E-04	1.67E-03	3.80E-03	8.86E-03
4.12E+01	9.09E-11	2.62E-02	4.14E-04	6.90E-06	6.97E-04	1.67E-03	3.81E-03	8.88E-03
5.38E+01	9.10E-11	2.63E-02	4.16E-04	6.93E-06	7.01E-04	1.68E-03	3.82E-03	8.91E-03
7.02E+01	9.12E-11	2.64E-02	4.18E-04	6.96E-06	7.11E-04	1.68E-03	3.84E-03	8.95E-03
9.15E+01	9.13E-11	2.66E-02	4.21E-04	7.01E-06	7.21E-04	1.69E-03	3.86E-03	9.00E-03
1.00E+02	9.14E-11	2.66E-02	4.22E-04	7.03E-06	7.22E-04	1.69E-03	3.86E-03	9.03E-03
1.19E+02	9.16E-11	2.68E-02	4.24E-04	7.08E-06	7.25E-04	1.70E-03	3.88E-03	9.07E-03
1.56E+02	9.18E-11	2.70E-02	4.29E-04	7.13E-06	7.30E-04	1.71E-03	3.92E-03	9.16E-03
2.03E+02	9.22E-11	2.73E-02	4.34E-04	7.17E-06	7.36E-04	1.73E-03	3.96E-03	9.26E-03
2.65E+02	9.26E-11	2.77E-02	4.41E-04	7.22E-06	7.44E-04	1.75E-03	4.01E-03	9.40E-03
3.00E+02	9.29E-11	2.79E-02	4.45E-04	7.24E-06	7.48E-04	1.81E-03	4.04E-03	9.47E-03
3.46E+02	9.32E-11	2.81E-02	4.50E-04	7.28E-06	7.52E-04	1.87E-03	4.07E-03	9.57E-03
4.51E+02	9.38E-11	2.87E-02	4.61E-04	7.39E-06	7.63E-04	2.04E-03	4.14E-03	9.77E-03
5.88E+02	9.47E-11	2.93E-02	4.75E-04	7.57E-06	7.75E-04	2.22E-03	4.20E-03	1.00E-02
7.67E+02	9.57E-11	3.00E-02	4.91E-04	7.73E-06	8.21E-04	2.41E-03	4.26E-03	1.03E-02
1.00E+03	9.70E-11	3.07E-02	5.12E-04	8.32E-06	8.58E-04	2.66E-03	4.32E-03	1.06E-02

	Peak of the mean dose (averaged over observations) at graphical times	
Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	1.000E+03	8.111E-04
2	1.000E+03	8.925E-04
3	1.000E+03	9.699E-02
4	5.878E+02	5.048E-02
5	1.000E+03	5.120E-04

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
Density of saturated zone	22	0.06	23	0.05	7	-0.12	12	-0.02
Density of Unsaturted zone 1	20	0.06	22	0.05	11	-0.07	17	-0.01
Depth of roots	29	-0.03	32	-0.03	41	0.00	41	0.00
Hydraulic Conductivity of Unsaturted zone 1	41	0.00	40	0.01	14	0.06	14	0.02
Saturated zone hydraulic conductivity	31	-0.03	33	-0.02	35	0.01	35	0.00
Thickness of Unsaturted zone 1	5	0.11	7	0.13	26	-0.03	22	-0.01
Contaminated zone b parameter	8	-0.10	12	-0.09	20	-0.04	24	-0.01
Saturated zone b parameter	27	-0.04	29	-0.03	23	0.04	27	0.01
Contaminated zone erosion rate	36	-0.01	36	-0.01	42	0.00	42	0.00
Contaminated zone hydraulic conductivity	32	0.03	31	0.03	38	0.01	36	0.00
Evapotranspiration coefficient	4	0.14	8	0.12	39	0.00	39	0.00
Runoff coefficient	37	-0.01	37	-0.01	28	0.02	31	0.00
Saturated zone hydraulic gradient	25	0.04	26	0.04	6	-0.14	11	-0.03
Weathering removal constant of all vegetation	24	0.04	27	0.04	17	-0.05	21	-0.01
Wind Speed	6	-0.11	10	-0.10	22	0.04	26	0.01
Mass loading for inhalation	39	-0.01	39	-0.01	31	-0.02	33	0.00
Depth of soil mixing layer	7	-0.11	11	-0.09	10	-0.08	16	-0.02
Density of contaminated zone	10	-0.10	14	-0.08	36	-0.01	37	0.00
Inhalation rate	19	0.07	20	0.06	33	0.01	34	0.00
Soil ingestion	17	-0.08	19	-0.07	37	-0.01	38	0.00
Kd of Th-230 in Contaminated Zone	11	0.09	3	0.30	12	0.07	5	0.05
Kd of Th-230 in Unsaturated Zone 1	26	-0.04	28	-0.04	13	-0.06	13	-0.02
Kd of Th-230 in Unsaturated Zone 2	35	-0.01	24	-0.05	30	-0.02	28	-0.01
Kd of Th-230 in Saturated Zone	33	-0.02	34	-0.02	21	-0.04	18	-0.01
Kd of Th-228 in Contaminated Zone	9	-0.10	1	-0.47	15	-0.05	4	-0.06
Kd of Th-228 in Unsaturated Zone 1	30	0.03	9	0.12	27	-0.03	25	-0.01
Kd of Th-228 in Unsaturated Zone 2	21	-0.06	21	-0.05	8	0.12	7	0.04
Kd of Th-228 in Saturated Zone	18	-0.07	13	-0.08	24	0.03	9	0.03
Area of contaminated zone	12	-0.09	15	-0.08	5	-0.18	8	-0.04
Thickness of contaminated zone	3	0.16	6	0.18	34	0.01	32	0.00
Cover depth	1	-0.43	2	-0.40	1	-0.97	1	-0.81
Density of cover material	2	-0.31	4	-0.27	2	-0.94	2	-0.55
Cover erosion rate	14	0.09	17	0.08	4	0.26	6	0.05
Thickness of Unsaturated zone 2	40	0.01	41	0.00	16	-0.05	20	-0.01
Density of Unsaturated zone 2	13	0.09	16	0.08	40	0.00	40	0.00
Hydraulic Conductivity of Unsaturated zone 2	38	-0.01	38	-0.01	18	0.04	23	0.01
Outdoor time fraction	16	0.08	18	0.07	3	0.58	3	0.14
Kd of Th-230 in Contaminated Zone	15	0.09	5	0.27	19	0.04	10	0.03
Kd of Th-230 in Unsaturated Zone 1	34	-0.02	35	-0.02	32	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	28	-0.04	30	-0.03	25	0.03	19	0.01
Kd of Th-230 in Saturated Zone	42	0.00	42	0.00	29	0.02	29	0.01
Aquatic food	23	-0.06	25	-0.05	9	0.08	15	0.02
R-SQUARE		0.33		0.33		0.96		0.96

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

Coefficients for peak 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
Density of saturated zone	40	0.01	40	0.01	9	-0.07	15	-0.01
Density of Unsaturted zone 1	35	-0.01	35	-0.01	31	0.03	35	0.01
Depth of roots	33	0.02	33	0.02	39	-0.01	40	0.00
Hydraulic Conductivity of Unsaturted zone 1	41	0.00	41	-0.01	25	0.04	18	0.01
Saturated zone hydraulic conductivity	31	-0.02	31	-0.02	32	-0.03	36	-0.01
Thickness of Unsaturted zone 1	6	-0.08	7	-0.10	15	0.06	11	0.02
Contaminated zone b parameter	42	0.00	42	0.00	26	-0.04	32	-0.01
Saturated zone b parameter	16	-0.05	16	-0.05	20	0.05	27	0.01
Contaminated zone erosion rate	21	-0.04	23	-0.04	27	-0.04	31	-0.01
Contaminated zone hydraulic conductivity	29	-0.02	25	-0.03	16	-0.06	7	-0.02
Evapotranspiration coefficient	36	-0.01	36	-0.01	7	0.08	12	0.01
Runoff coefficient	7	0.08	10	0.07	14	-0.07	22	-0.01
Saturated zone hydraulic gradient	5	0.09	9	0.08	10	-0.07	17	-0.01
Weathering removal constant of all vegetation	38	0.01	38	0.01	24	0.05	29	0.01
Wind Speed	10	-0.07	12	-0.06	23	0.05	28	0.01
Mass loading for inhalation	32	-0.02	32	-0.02	12	-0.07	20	-0.01
Depth of soil mixing layer	37	-0.01	37	-0.01	40	0.01	41	0.00
Density of contaminated zone	4	0.10	8	0.09	8	-0.08	13	-0.01
Inhalation rate	34	-0.02	34	-0.01	17	-0.06	24	-0.01
Soil ingestion	11	-0.07	14	-0.06	35	0.02	38	0.00
Kd of Th-230 in Contaminated Zone	8	0.07	4	0.28	38	0.01	30	0.01
Kd of Th-230 in Unsaturated Zone 1	30	0.02	30	0.02	29	0.04	23	0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	28	-0.02	18	0.06	8	0.02
Kd of Th-230 in Saturated Zone	13	-0.06	13	-0.06	36	0.02	37	0.00
Kd of Th-228 in Contaminated Zone	12	-0.07	1	-0.37	37	-0.02	9	-0.02
Kd of Th-228 in Unsaturated Zone 1	22	-0.03	24	-0.03	34	0.02	34	0.01
Kd of Th-228 in Unsaturated Zone 2	24	-0.03	19	-0.04	22	-0.05	14	-0.01
Kd of Th-228 in Saturated Zone	25	0.03	22	0.04	33	-0.03	6	-0.02
Area of contaminated zone	28	-0.02	29	-0.02	11	0.07	19	0.01
Thickness of contaminated zone	15	-0.06	11	-0.07	5	0.12	5	0.03
Cover depth	1	-0.35	2	-0.33	1	-0.98	1	-0.81
Density of cover material	2	-0.24	5	-0.22	2	-0.94	2	-0.52
Cover erosion rate	23	0.03	27	0.03	4	0.19	4	0.03
Thickness of Unsaturated zone 2	17	-0.05	17	-0.05	19	0.05	26	0.01
Density of Unsaturated zone 2	14	0.06	15	0.05	13	-0.07	21	-0.01
Hydraulic Conductivity of Unsaturated zone 2	39	-0.01	39	-0.01	28	-0.04	33	-0.01
Outdoor time fraction	3	0.15	6	0.14	3	0.57	3	0.13
Kd of Th-230 in Contaminated Zone	9	0.07	3	0.28	41	0.01	39	0.00
Kd of Th-230 in Unsaturated Zone 1	26	0.02	26	0.03	42	0.00	42	0.00
Kd of Th-230 in Unsaturated Zone 2	18	-0.05	18	-0.04	21	-0.05	16	-0.01
Kd of Th-230 in Saturated Zone	20	-0.04	20	-0.04	30	0.04	25	0.01
Aquatic food	19	-0.04	21	-0.04	6	0.09	10	0.02
R-SQUARE		0.23		0.23		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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
Density of saturated zone	1	-0.16	3	-0.16	14	-0.15	20	-0.04
Density of Unsaturted zone 1	6	-0.07	10	-0.07	32	0.04	32	0.01
Depth of roots	32	-0.01	32	-0.01	39	0.02	39	0.01
Hydraulic Conductivity of Unsaturted zone 1	42	0.00	40	0.01	26	-0.05	25	-0.02
Saturated zone hydraulic conductivity	31	0.01	31	0.01	41	0.02	41	0.00
Thickness of Unsaturted zone 1	10	-0.07	8	-0.09	20	-0.10	19	-0.04
Contaminated zone b parameter	33	-0.01	33	-0.01	35	-0.04	35	-0.01
Saturated zone b parameter	18	-0.05	19	-0.05	23	-0.08	27	-0.02
Contaminated zone erosion rate	37	0.01	37	0.01	40	0.02	40	0.00
Contaminated zone hydraulic conductivity	23	-0.03	20	-0.04	21	0.10	16	0.04
Evapotranspiration coefficient	20	0.04	22	0.03	36	0.03	36	0.01
Runoff coefficient	12	-0.06	15	-0.05	30	-0.04	31	-0.01
Saturated zone hydraulic gradient	25	-0.02	25	-0.02	19	-0.12	24	-0.03
Weathering removal constant of all vegetation	2	0.10	7	0.10	24	0.08	28	0.02
Wind Speed	3	-0.10	6	-0.10	15	-0.15	21	-0.04
Mass loading for inhalation	8	-0.07	12	-0.07	27	-0.05	30	-0.01
Depth of soil mixing layer	5	0.08	9	0.08	34	0.04	34	0.01
Density of contaminated zone	19	0.04	21	0.04	37	-0.03	37	-0.01
Inhalation rate	9	-0.07	13	-0.07	17	-0.14	22	-0.04
Soil ingestion	29	-0.02	30	-0.02	25	-0.08	29	-0.02
Kd of Th-230 in Contaminated Zone	22	0.03	5	0.11	31	-0.04	17	-0.04
Kd of Th-230 in Unsaturated Zone 1	41	-0.01	42	-0.01	10	-0.20	7	-0.09
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	16	-0.05	12	-0.19	12	-0.08
Kd of Th-230 in Saturated Zone	38	0.01	39	0.01	11	-0.19	13	-0.08
Kd of Th-228 in Contaminated Zone	13	-0.05	1	-0.33	29	0.05	11	0.08
Kd of Th-228 in Unsaturated Zone 1	34	0.01	34	0.01	9	-0.20	9	-0.08
Kd of Th-228 in Unsaturated Zone 2	40	-0.01	41	-0.01	16	-0.14	14	-0.06
Kd of Th-228 in Saturated Zone	30	-0.02	29	-0.02	7	0.22	3	0.30
Area of contaminated zone	7	-0.07	11	-0.07	38	-0.03	38	-0.01
Thickness of contaminated zone	4	-0.09	4	-0.12	42	-0.01	42	0.00
Cover depth	14	0.05	17	0.05	1	-0.95	1	-0.81
Density of cover material	11	-0.06	14	-0.06	2	-0.90	2	-0.51
Cover erosion rate	26	-0.02	26	-0.02	4	0.31	10	0.08
Thickness of Unsaturated zone 2	36	-0.01	36	-0.01	18	-0.12	23	-0.03
Density of Unsaturated zone 2	24	-0.03	24	-0.03	22	0.09	26	0.02
Hydraulic Conductivity of Unsaturated zone 2	28	-0.02	28	-0.02	13	0.16	18	0.04
Outdoor time fraction	15	-0.05	18	-0.05	3	0.44	4	0.12
Kd of Th-230 in Contaminated Zone	16	0.05	2	0.22	28	-0.05	15	-0.05
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.03	6	-0.23	6	-0.10
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	27	-0.02	5	-0.23	5	-0.10
Kd of Th-230 in Saturated Zone	39	0.01	38	0.01	8	-0.21	8	-0.09
Aquatic food	35	0.01	35	0.01	33	0.04	33	0.01
R-SQUARE		0.11		0.11		0.94		0.94

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	9	-0.07	12	-0.07	32	0.02	35	0.00
Density of Unsaturted zone 1	3	-0.13	6	-0.13	42	0.00	42	0.00
Depth of roots	32	-0.02	32	-0.02	16	-0.06	21	-0.01
Hydraulic Conductivity of Unsaturted zone 1	26	-0.02	20	-0.04	25	-0.03	23	-0.01
Saturated zone hydraulic conductivity	25	0.03	28	0.02	13	0.07	18	0.01
Thickness of Unsaturted zone 1	41	0.00	41	0.00	40	0.00	39	0.00
Contaminated zone b parameter	4	0.12	7	0.11	36	-0.01	37	0.00
Saturated zone b parameter	17	0.05	18	0.05	4	0.22	4	0.04
Contaminated zone erosion rate	39	0.00	39	0.00	7	0.14	7	0.02
Contaminated zone hydraulic conductivity	28	0.02	23	0.03	19	0.05	16	0.01
Evapotranspiration coefficient	21	0.03	22	0.03	30	0.03	34	0.00
Runoff coefficient	5	-0.09	8	-0.09	34	0.02	36	0.00
Saturated zone hydraulic gradient	35	-0.01	35	-0.01	38	-0.01	38	0.00
Weathering removal constant of all vegetation	38	-0.01	38	-0.01	10	0.10	12	0.02
Wind Speed	1	0.16	4	0.15	17	-0.06	22	-0.01
Mass loading for inhalation	24	-0.03	27	-0.03	41	0.00	41	0.00
Depth of soil mixing layer	8	-0.08	11	-0.08	20	-0.05	24	-0.01
Density of contaminated zone	12	-0.06	15	-0.06	5	-0.22	5	-0.04
Inhalation rate	40	0.00	40	0.00	24	-0.03	33	-0.01
Soil ingestion	2	-0.14	5	-0.13	9	0.11	10	0.02
Kd of Th-230 in Contaminated Zone	14	-0.06	2	-0.20	26	0.03	11	0.02
Kd of Th-230 in Unsaturated Zone 1	23	0.03	26	0.03	28	0.03	28	0.01
Kd of Th-230 in Unsaturated Zone 2	30	-0.02	29	-0.02	27	0.03	25	0.01
Kd of Th-230 in Saturated Zone	37	-0.01	37	-0.01	29	0.03	27	0.01
Kd of Th-228 in Contaminated Zone	18	0.04	1	0.22	37	0.01	26	0.01
Kd of Th-228 in Unsaturated Zone 1	20	-0.03	21	-0.03	18	0.05	15	0.01
Kd of Th-228 in Unsaturated Zone 2	13	-0.06	16	-0.06	11	0.08	9	0.02
Kd of Th-228 in Saturated Zone	29	0.02	30	0.02	33	0.02	14	0.02
Area of contaminated zone	15	-0.06	17	-0.05	39	0.00	40	0.00
Thickness of contaminated zone	27	0.02	25	0.03	31	-0.02	31	-0.01
Cover depth	6	-0.09	9	-0.08	1	-0.98	1	-0.81
Density of cover material	10	-0.07	13	-0.07	2	-0.95	2	-0.54
Cover erosion rate	19	-0.04	19	-0.04	8	0.13	8	0.02
Thickness of Unsaturated zone 2	36	0.01	36	0.01	22	-0.04	30	-0.01
Density of Unsaturated zone 2	42	0.00	42	0.00	23	0.03	32	0.01
Hydraulic Conductivity of Unsaturated zone 2	34	-0.01	34	-0.01	12	0.07	17	0.01
Outdoor time fraction	7	-0.08	10	-0.08	3	0.52	3	0.11
Kd of Th-230 in Contaminated Zone	16	-0.05	3	-0.19	35	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 1	31	-0.02	31	-0.02	6	-0.14	6	-0.04
Kd of Th-230 in Unsaturated Zone 2	33	0.02	33	0.02	21	-0.04	20	-0.01
Kd of Th-230 in Saturated Zone	22	-0.03	24	-0.03	14	0.07	13	0.02
Aquatic food	11	0.06	14	0.06	15	-0.06	19	-0.01
R-SQUARE		0.13		0.13		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	12	0.06	17	0.05	15	-0.06	21	-0.01
Density of Unsaturted zone 1	42	0.00	42	0.00	32	-0.02	35	0.00
Depth of roots	27	0.03	28	0.03	23	-0.04	29	-0.01
Hydraulic Conductivity of Unsaturted zone 1	19	-0.05	12	-0.07	12	-0.06	13	-0.02
Saturated zone hydraulic conductivity	34	-0.01	35	-0.01	40	-0.01	41	0.00
Thickness of Unsaturted zone 1	17	-0.05	15	-0.06	7	0.12	7	0.03
Contaminated zone b parameter	3	0.10	7	0.09	13	-0.06	19	-0.01
Saturated zone b parameter	32	-0.02	33	-0.01	19	-0.05	25	-0.01
Contaminated zone erosion rate	37	0.01	37	0.01	20	-0.04	26	-0.01
Contaminated zone hydraulic conductivity	23	0.04	20	0.05	25	0.03	22	0.01
Evapotranspiration coefficient	31	0.02	32	0.02	16	0.05	23	0.01
Runoff coefficient	13	0.06	18	0.05	37	0.01	37	0.00
Saturated zone hydraulic gradient	5	-0.09	9	-0.09	39	0.01	39	0.00
Weathering removal constant of all vegetation	29	-0.02	30	-0.02	38	-0.01	38	0.00
Wind Speed	9	-0.07	13	-0.07	35	-0.02	36	0.00
Mass loading for inhalation	10	0.07	14	0.06	9	0.09	15	0.02
Depth of soil mixing layer	36	0.01	36	0.01	22	0.04	28	0.01
Density of contaminated zone	18	0.05	23	0.04	42	0.00	42	0.00
Inhalation rate	4	-0.10	8	-0.09	18	-0.05	24	-0.01
Soil ingestion	30	-0.02	31	-0.02	5	0.18	6	0.03
Kd of Th-230 in Contaminated Zone	20	-0.04	5	-0.16	27	0.03	12	0.02
Kd of Th-230 in Unsaturated Zone 1	35	-0.01	34	-0.01	29	0.02	30	0.01
Kd of Th-230 in Unsaturated Zone 2	28	-0.03	29	-0.02	34	-0.02	33	-0.01
Kd of Th-230 in Saturated Zone	39	0.01	38	0.01	36	0.02	34	0.00
Kd of Th-228 in Contaminated Zone	16	0.05	3	0.26	30	-0.02	8	-0.03
Kd of Th-228 in Unsaturated Zone 1	15	-0.05	21	-0.05	41	0.00	40	0.00
Kd of Th-228 in Unsaturated Zone 2	41	0.00	41	0.00	33	0.02	31	0.01
Kd of Th-228 in Saturated Zone	24	0.03	6	0.11	31	-0.02	11	-0.02
Area of contaminated zone	22	-0.04	26	-0.03	8	0.11	10	0.02
Thickness of contaminated zone	25	-0.03	24	-0.04	6	0.15	5	0.04
Cover depth	1	-0.35	1	-0.34	1	-0.97	1	-0.82
Density of cover material	2	-0.26	4	-0.24	2	-0.94	2	-0.54
Cover erosion rate	26	-0.03	27	-0.03	4	0.27	4	0.05
Thickness of Unsaturated zone 2	14	-0.06	19	-0.05	26	0.03	32	0.01
Density of Unsaturated zone 2	6	0.08	10	0.08	11	-0.07	17	-0.01
Hydraulic Conductivity of Unsaturated zone 2	11	-0.06	16	-0.06	14	-0.06	20	-0.01
Outdoor time fraction	7	0.08	11	0.07	3	0.57	3	0.13
Kd of Th-230 in Contaminated Zone	8	-0.08	2	-0.28	28	0.03	14	0.02
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	22	-0.05	17	0.05	16	0.01
Kd of Th-230 in Unsaturated Zone 2	21	-0.04	25	-0.04	24	0.04	18	0.01
Kd of Th-230 in Saturated Zone	40	0.01	40	0.01	10	0.08	9	0.02
Aquatic food	38	-0.01	39	-0.01	21	0.04	27	0.01
R-SQUARE		0.24		0.24		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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
Density of saturated zone	22	0.06	23	0.05	7	-0.12	12	-0.02
Density of Unsaturted zone 1	20	0.06	22	0.05	11	-0.07	17	-0.01
Depth of roots	29	-0.03	32	-0.03	41	0.00	41	0.00
Hydraulic Conductivity of Unsaturted zone 1	41	0.00	40	0.01	14	0.06	14	0.02
Saturated zone hydraulic conductivity	31	-0.03	33	-0.02	34	0.01	35	0.00
Thickness of Unsaturted zone 1	5	0.11	7	0.13	26	-0.03	22	-0.01
Contaminated zone b parameter	8	-0.10	12	-0.09	20	-0.04	24	-0.01
Saturated zone b parameter	27	-0.04	29	-0.03	22	0.04	26	0.01
Contaminated zone erosion rate	36	-0.01	36	-0.01	42	0.00	42	0.00
Contaminated zone hydraulic conductivity	32	0.03	31	0.03	38	0.00	36	0.00
Evapotranspiration coefficient	4	0.14	8	0.12	39	0.00	39	0.00
Runoff coefficient	37	-0.01	37	-0.01	28	0.02	31	0.00
Saturated zone hydraulic gradient	25	0.04	26	0.04	6	-0.14	11	-0.03
Weathering removal constant of all vegetation	24	0.04	27	0.04	17	-0.05	21	-0.01
Wind Speed	6	-0.11	10	-0.10	23	0.04	27	0.01
Mass loading for inhalation	39	-0.01	39	-0.01	31	-0.02	33	0.00
Depth of soil mixing layer	7	-0.11	11	-0.09	9	-0.08	16	-0.02
Density of contaminated zone	10	-0.10	14	-0.08	36	-0.01	37	0.00
Inhalation rate	19	0.07	20	0.06	32	0.01	34	0.00
Soil ingestion	17	-0.08	19	-0.07	37	-0.01	38	0.00
Kd of Th-230 in Contaminated Zone	11	0.09	3	0.30	12	0.07	5	0.05
Kd of Th-230 in Unsaturated Zone 1	26	-0.04	28	-0.04	13	-0.06	13	-0.02
Kd of Th-230 in Unsaturated Zone 2	35	-0.01	24	-0.05	30	-0.02	28	-0.01
Kd of Th-230 in Saturated Zone	33	-0.02	34	-0.02	21	-0.04	18	-0.01
Kd of Th-228 in Contaminated Zone	9	-0.10	1	-0.47	15	-0.06	4	-0.06
Kd of Th-228 in Unsaturated Zone 1	30	0.03	9	0.12	27	-0.03	25	-0.01
Kd of Th-228 in Unsaturated Zone 2	21	-0.06	21	-0.05	8	0.12	7	0.04
Kd of Th-228 in Saturated Zone	18	-0.07	13	-0.08	24	0.03	9	0.03
Area of contaminated zone	12	-0.09	15	-0.08	5	-0.18	8	-0.04
Thickness of contaminated zone	3	0.16	6	0.18	35	0.01	32	0.00
Cover depth	1	-0.43	2	-0.40	1	-0.97	1	-0.81
Density of cover material	2	-0.31	4	-0.27	2	-0.94	2	-0.55
Cover erosion rate	14	0.09	17	0.08	4	0.26	6	0.05
Thickness of Unsaturated zone 2	40	0.01	41	0.00	16	-0.05	20	-0.01
Density of Unsaturated zone 2	13	0.09	16	0.08	40	0.00	40	0.00
Hydraulic Conductivity of Unsaturated zone 2	38	-0.01	38	-0.01	18	0.04	23	0.01
Outdoor time fraction	16	0.08	18	0.07	3	0.57	3	0.14
Kd of Th-230 in Contaminated Zone	15	0.09	5	0.27	19	0.04	10	0.03
Kd of Th-230 in Unsaturated Zone 1	34	-0.02	35	-0.02	33	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	28	-0.04	30	-0.03	25	0.03	19	0.01
Kd of Th-230 in Saturated Zone	42	0.00	42	0.00	29	0.02	29	0.01
Aquatic food	23	-0.06	25	-0.05	10	0.08	15	0.02
R-SQUARE		0.33		0.33		0.96		0.96

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

Coefficients for peak 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
Density of saturated zone	40	0.01	40	0.01	9	-0.07	14	-0.01
Density of Unsaturted zone 1	35	-0.01	35	-0.01	31	0.03	35	0.01
Depth of roots	33	0.02	33	0.02	39	-0.01	40	0.00
Hydraulic Conductivity of Unsaturted zone 1	41	0.00	41	-0.01	25	0.04	16	0.01
Saturated zone hydraulic conductivity	31	-0.02	31	-0.02	32	-0.03	36	-0.01
Thickness of Unsaturted zone 1	6	-0.08	7	-0.10	15	0.06	11	0.02
Contaminated zone b parameter	42	0.00	42	0.00	26	-0.04	32	-0.01
Saturated zone b parameter	17	-0.05	16	-0.05	20	0.05	27	0.01
Contaminated zone erosion rate	21	-0.04	23	-0.04	27	-0.04	31	-0.01
Contaminated zone hydraulic conductivity	29	-0.02	25	-0.03	16	-0.06	7	-0.02
Evapotranspiration coefficient	36	-0.01	36	-0.01	7	0.08	12	0.01
Runoff coefficient	7	0.08	10	0.07	14	-0.07	22	-0.01
Saturated zone hydraulic gradient	5	0.09	9	0.08	10	-0.07	15	-0.01
Weathering removal constant of all vegetation	38	0.01	38	0.01	23	0.05	29	0.01
Wind Speed	10	-0.07	12	-0.06	24	0.05	28	0.01
Mass loading for inhalation	32	-0.02	32	-0.02	12	-0.07	20	-0.01
Depth of soil mixing layer	37	-0.01	37	-0.01	40	0.01	41	0.00
Density of contaminated zone	4	0.10	8	0.09	8	-0.08	13	-0.01
Inhalation rate	34	-0.02	34	-0.01	17	-0.06	24	-0.01
Soil ingestion	11	-0.07	14	-0.06	35	0.02	38	0.00
Kd of Th-230 in Contaminated Zone	8	0.07	4	0.28	38	0.01	30	0.01
Kd of Th-230 in Unsaturated Zone 1	30	0.02	30	0.02	29	0.04	23	0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	28	-0.02	18	0.06	8	0.02
Kd of Th-230 in Saturated Zone	13	-0.06	13	-0.06	36	0.02	37	0.00
Kd of Th-228 in Contaminated Zone	12	-0.07	1	-0.37	37	-0.02	9	-0.02
Kd of Th-228 in Unsaturated Zone 1	22	-0.03	24	-0.03	34	0.02	34	0.01
Kd of Th-228 in Unsaturated Zone 2	24	-0.03	19	-0.04	22	-0.05	17	-0.01
Kd of Th-228 in Saturated Zone	25	0.03	22	0.04	33	-0.03	6	-0.02
Area of contaminated zone	28	-0.02	29	-0.02	11	0.07	19	0.01
Thickness of contaminated zone	15	-0.06	11	-0.07	5	0.12	5	0.03
Cover depth	1	-0.35	2	-0.33	1	-0.98	1	-0.81
Density of cover material	2	-0.24	5	-0.22	2	-0.94	2	-0.52
Cover erosion rate	23	0.03	27	0.03	4	0.19	4	0.03
Thickness of Unsaturated zone 2	16	-0.05	17	-0.05	19	0.05	26	0.01
Density of Unsaturated zone 2	14	0.06	15	0.05	13	-0.07	21	-0.01
Hydraulic Conductivity of Unsaturated zone 2	39	-0.01	39	-0.01	28	-0.04	33	-0.01
Outdoor time fraction	3	0.15	6	0.14	3	0.57	3	0.13
Kd of Th-230 in Contaminated Zone	9	0.07	3	0.28	41	0.01	39	0.00
Kd of Th-230 in Unsaturated Zone 1	26	0.02	26	0.03	42	0.00	42	0.00
Kd of Th-230 in Unsaturated Zone 2	18	-0.05	18	-0.04	21	-0.05	18	-0.01
Kd of Th-230 in Saturated Zone	20	-0.04	20	-0.04	30	0.04	25	0.01
Aquatic food	19	-0.04	21	-0.04	6	0.09	10	0.02
R-SQUARE		0.23		0.23		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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
Density of saturated zone	1	-0.16	3	-0.16	14	-0.15	20	-0.04
Density of Unsaturted zone 1	6	-0.07	10	-0.07	33	0.04	32	0.01
Depth of roots	31	-0.02	31	-0.01	39	0.02	39	0.01
Hydraulic Conductivity of Unsaturted zone 1	42	0.00	40	0.01	26	-0.06	25	-0.02
Saturated zone hydraulic conductivity	32	0.01	32	0.01	41	0.02	41	0.00
Thickness of Unsaturted zone 1	10	-0.07	8	-0.09	21	-0.10	19	-0.04
Contaminated zone b parameter	33	-0.01	33	-0.01	34	-0.04	34	-0.01
Saturated zone b parameter	18	-0.05	19	-0.05	23	-0.08	27	-0.02
Contaminated zone erosion rate	37	0.01	36	0.01	40	0.02	40	0.00
Contaminated zone hydraulic conductivity	23	-0.03	20	-0.04	20	0.10	16	0.04
Evapotranspiration coefficient	20	0.04	22	0.03	36	0.03	36	0.01
Runoff coefficient	12	-0.06	15	-0.05	30	-0.04	31	-0.01
Saturated zone hydraulic gradient	25	-0.02	25	-0.02	19	-0.12	24	-0.03
Weathering removal constant of all vegetation	2	0.10	7	0.10	24	0.08	28	0.02
Wind Speed	3	-0.10	6	-0.10	15	-0.15	21	-0.04
Mass loading for inhalation	8	-0.07	11	-0.07	27	-0.05	30	-0.01
Depth of soil mixing layer	5	0.08	9	0.08	35	0.04	35	0.01
Density of contaminated zone	19	0.04	21	0.04	37	-0.03	37	-0.01
Inhalation rate	9	-0.07	13	-0.07	17	-0.14	22	-0.04
Soil ingestion	30	-0.02	30	-0.02	25	-0.08	29	-0.02
Kd of Th-230 in Contaminated Zone	22	0.03	5	0.11	31	-0.04	17	-0.04
Kd of Th-230 in Unsaturated Zone 1	40	-0.01	41	-0.01	10	-0.20	7	-0.09
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	16	-0.05	12	-0.19	12	-0.08
Kd of Th-230 in Saturated Zone	38	0.01	39	0.01	11	-0.19	13	-0.08
Kd of Th-228 in Contaminated Zone	13	-0.05	1	-0.33	29	0.05	11	0.08
Kd of Th-228 in Unsaturated Zone 1	34	0.01	34	0.01	9	-0.20	9	-0.08
Kd of Th-228 in Unsaturated Zone 2	41	-0.01	42	-0.01	16	-0.14	14	-0.06
Kd of Th-228 in Saturated Zone	29	-0.02	29	-0.02	7	0.22	3	0.30
Area of contaminated zone	7	-0.07	12	-0.07	38	-0.03	38	-0.01
Thickness of contaminated zone	4	-0.09	4	-0.12	42	-0.01	42	0.00
Cover depth	14	0.05	17	0.05	1	-0.95	1	-0.81
Density of cover material	11	-0.06	14	-0.06	2	-0.90	2	-0.51
Cover erosion rate	26	-0.02	26	-0.02	4	0.31	10	0.08
Thickness of Unsaturated zone 2	36	-0.01	37	-0.01	18	-0.12	23	-0.03
Density of Unsaturated zone 2	24	-0.03	24	-0.03	22	0.09	26	0.02
Hydraulic Conductivity of Unsaturated zone 2	28	-0.02	28	-0.02	13	0.16	18	0.04
Outdoor time fraction	15	-0.05	18	-0.05	3	0.44	4	0.12
Kd of Th-230 in Contaminated Zone	16	0.05	2	0.22	28	-0.05	15	-0.05
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.03	6	-0.23	6	-0.10
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	27	-0.02	5	-0.23	5	-0.10
Kd of Th-230 in Saturated Zone	39	0.01	38	0.01	8	-0.21	8	-0.09
Aquatic food	35	0.01	35	0.01	32	0.04	33	0.01
R-SQUARE		0.11		0.11		0.94		0.94

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	9	-0.07	12	-0.07	33	0.02	36	0.00
Density of Unsaturted zone 1	3	-0.13	6	-0.13	41	0.00	41	0.00
Depth of roots	32	-0.02	32	-0.02	19	-0.05	24	-0.01
Hydraulic Conductivity of Unsaturted zone 1	26	-0.02	20	-0.04	22	-0.04	20	-0.01
Saturated zone hydraulic conductivity	25	0.03	28	0.02	12	0.08	17	0.01
Thickness of Unsaturted zone 1	41	0.00	41	0.00	42	0.00	42	0.00
Contaminated zone b parameter	4	0.12	7	0.11	39	-0.01	40	0.00
Saturated zone b parameter	17	0.05	18	0.05	4	0.23	4	0.04
Contaminated zone erosion rate	39	0.00	39	0.00	8	0.14	8	0.03
Contaminated zone hydraulic conductivity	28	0.02	23	0.03	20	0.05	16	0.01
Evapotranspiration coefficient	21	0.03	22	0.03	28	0.03	32	0.01
Runoff coefficient	5	-0.09	8	-0.09	27	0.03	31	0.01
Saturated zone hydraulic gradient	35	-0.01	35	-0.01	38	0.01	39	0.00
Weathering removal constant of all vegetation	38	-0.01	38	-0.01	10	0.09	13	0.02
Wind Speed	1	0.16	4	0.15	15	-0.05	21	-0.01
Mass loading for inhalation	24	-0.03	27	-0.03	36	0.01	38	0.00
Depth of soil mixing layer	8	-0.08	11	-0.08	17	-0.05	23	-0.01
Density of contaminated zone	12	-0.06	15	-0.06	5	-0.22	5	-0.04
Inhalation rate	40	0.00	40	0.00	31	-0.02	34	0.00
Soil ingestion	2	-0.14	5	-0.13	9	0.11	11	0.02
Kd of Th-230 in Contaminated Zone	14	-0.06	2	-0.20	26	0.03	10	0.02
Kd of Th-230 in Unsaturated Zone 1	23	0.03	26	0.03	25	0.03	26	0.01
Kd of Th-230 in Unsaturated Zone 2	30	-0.02	29	-0.02	29	0.03	25	0.01
Kd of Th-230 in Saturated Zone	37	-0.01	37	-0.01	30	0.02	27	0.01
Kd of Th-228 in Contaminated Zone	18	0.04	1	0.22	40	0.01	33	0.00
Kd of Th-228 in Unsaturated Zone 1	20	-0.03	21	-0.03	16	0.05	15	0.01
Kd of Th-228 in Unsaturated Zone 2	13	-0.06	16	-0.06	11	0.08	9	0.02
Kd of Th-228 in Saturated Zone	29	0.02	30	0.02	32	0.02	12	0.02
Area of contaminated zone	15	-0.06	17	-0.05	34	0.02	37	0.00
Thickness of contaminated zone	27	0.02	25	0.03	35	-0.01	35	0.00
Cover depth	6	-0.09	9	-0.08	1	-0.98	1	-0.81
Density of cover material	10	-0.07	13	-0.07	2	-0.95	2	-0.54
Cover erosion rate	19	-0.04	19	-0.04	6	0.21	6	0.04
Thickness of Unsaturated zone 2	36	0.01	36	0.01	23	-0.03	29	-0.01
Density of Unsaturated zone 2	42	0.00	42	0.00	24	0.03	28	0.01
Hydraulic Conductivity of Unsaturated zone 2	34	-0.01	34	-0.01	13	0.07	18	0.01
Outdoor time fraction	7	-0.08	10	-0.08	3	0.52	3	0.11
Kd of Th-230 in Contaminated Zone	16	-0.05	3	-0.19	37	-0.01	30	-0.01
Kd of Th-230 in Unsaturated Zone 1	31	-0.02	31	-0.02	7	-0.15	7	-0.04
Kd of Th-230 in Unsaturated Zone 2	33	0.02	33	0.02	21	-0.04	19	-0.01
Kd of Th-230 in Saturated Zone	22	-0.03	24	-0.03	14	0.06	14	0.02
Aquatic food	11	0.06	14	0.06	18	-0.05	22	-0.01
R-SQUARE		0.13		0.13		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	12	0.06	17	0.05	15	-0.06	21	-0.01
Density of Unsaturted zone 1	42	0.00	42	0.00	32	-0.02	35	0.00
Depth of roots	27	0.03	28	0.03	24	-0.04	29	-0.01
Hydraulic Conductivity of Unsaturted zone 1	19	-0.05	12	-0.07	12	-0.06	13	-0.02
Saturated zone hydraulic conductivity	34	-0.01	35	-0.01	40	-0.01	41	0.00
Thickness of Unsaturted zone 1	17	-0.05	15	-0.06	7	0.12	7	0.03
Contaminated zone b parameter	3	0.10	7	0.09	13	-0.06	19	-0.01
Saturated zone b parameter	32	-0.02	33	-0.01	19	-0.05	25	-0.01
Contaminated zone erosion rate	37	0.01	37	0.01	22	-0.04	28	-0.01
Contaminated zone hydraulic conductivity	23	0.04	20	0.05	25	0.03	22	0.01
Evapotranspiration coefficient	31	0.02	32	0.02	16	0.05	23	0.01
Runoff coefficient	13	0.06	18	0.05	38	0.01	38	0.00
Saturated zone hydraulic gradient	5	-0.09	9	-0.09	39	0.01	40	0.00
Weathering removal constant of all vegetation	29	-0.02	30	-0.02	37	-0.01	37	0.00
Wind Speed	9	-0.07	13	-0.07	35	-0.02	36	0.00
Mass loading for inhalation	10	0.07	14	0.06	9	0.09	15	0.02
Depth of soil mixing layer	36	0.01	36	0.01	21	0.04	27	0.01
Density of contaminated zone	18	0.05	23	0.04	42	0.00	42	0.00
Inhalation rate	4	-0.10	8	-0.09	18	-0.05	24	-0.01
Soil ingestion	30	-0.02	31	-0.02	5	0.18	6	0.03
Kd of Th-230 in Contaminated Zone	20	-0.04	5	-0.16	27	0.03	12	0.02
Kd of Th-230 in Unsaturated Zone 1	35	-0.01	34	-0.01	29	0.02	30	0.01
Kd of Th-230 in Unsaturated Zone 2	28	-0.03	29	-0.02	34	-0.02	33	-0.01
Kd of Th-230 in Saturated Zone	39	0.01	38	0.01	36	0.02	34	0.00
Kd of Th-228 in Contaminated Zone	16	0.05	3	0.26	30	-0.02	8	-0.02
Kd of Th-228 in Unsaturated Zone 1	15	-0.05	21	-0.05	41	0.01	39	0.00
Kd of Th-228 in Unsaturated Zone 2	41	0.00	41	0.00	33	0.02	31	0.01
Kd of Th-228 in Saturated Zone	24	0.03	6	0.11	31	-0.02	11	-0.02
Area of contaminated zone	22	-0.04	26	-0.03	8	0.11	10	0.02
Thickness of contaminated zone	25	-0.03	24	-0.04	6	0.15	5	0.04
Cover depth	1	-0.35	1	-0.34	1	-0.97	1	-0.82
Density of cover material	2	-0.26	4	-0.24	2	-0.94	2	-0.54
Cover erosion rate	26	-0.03	27	-0.03	4	0.27	4	0.05
Thickness of Unsaturated zone 2	14	-0.06	19	-0.05	26	0.03	32	0.01
Density of Unsaturated zone 2	6	0.08	10	0.08	11	-0.07	17	-0.01
Hydraulic Conductivity of Unsaturated zone 2	11	-0.06	16	-0.06	14	-0.06	20	-0.01
Outdoor time fraction	7	0.08	11	0.07	3	0.57	3	0.13
Kd of Th-230 in Contaminated Zone	8	-0.08	2	-0.28	28	0.03	14	0.02
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	22	-0.05	17	0.05	16	0.01
Kd of Th-230 in Unsaturated Zone 2	21	-0.04	25	-0.04	23	0.04	18	0.01
Kd of Th-230 in Saturated Zone	40	0.01	40	0.01	10	0.08	9	0.02
Aquatic food	38	-0.01	39	-0.01	20	0.04	26	0.01
R-SQUARE		0.24		0.24		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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
Density of saturated zone	22	0.06	23	0.05	7	-0.12	12	-0.02
Density of Unsaturted zone 1	20	0.06	22	0.05	11	-0.07	17	-0.01
Depth of roots	29	-0.03	32	-0.03	41	0.00	41	0.00
Hydraulic Conductivity of Unsaturted zone 1	41	0.00	40	0.01	14	0.06	14	0.02
Saturated zone hydraulic conductivity	31	-0.03	33	-0.02	34	0.01	35	0.00
Thickness of Unsaturted zone 1	5	0.11	7	0.13	26	-0.03	22	-0.01
Contaminated zone b parameter	8	-0.10	12	-0.09	20	-0.04	24	-0.01
Saturated zone b parameter	27	-0.04	29	-0.03	22	0.04	26	0.01
Contaminated zone erosion rate	36	-0.01	36	-0.01	42	0.00	42	0.00
Contaminated zone hydraulic conductivity	32	0.03	31	0.03	38	0.00	36	0.00
Evapotranspiration coefficient	4	0.14	8	0.12	39	0.00	39	0.00
Runoff coefficient	37	-0.01	37	-0.01	28	0.02	31	0.00
Saturated zone hydraulic gradient	25	0.04	26	0.04	6	-0.14	11	-0.03
Weathering removal constant of all vegetation	24	0.04	27	0.04	17	-0.05	21	-0.01
Wind Speed	6	-0.11	10	-0.10	23	0.04	27	0.01
Mass loading for inhalation	39	-0.01	39	-0.01	31	-0.02	33	0.00
Depth of soil mixing layer	7	-0.11	11	-0.09	9	-0.08	16	-0.02
Density of contaminated zone	10	-0.10	14	-0.08	36	-0.01	37	0.00
Inhalation rate	19	0.07	20	0.06	32	0.01	34	0.00
Soil ingestion	17	-0.08	19	-0.07	37	-0.01	38	0.00
Kd of Th-230 in Contaminated Zone	11	0.09	3	0.30	12	0.07	5	0.05
Kd of Th-230 in Unsaturated Zone 1	26	-0.04	28	-0.04	13	-0.06	13	-0.02
Kd of Th-230 in Unsaturated Zone 2	35	-0.01	24	-0.05	30	-0.02	28	-0.01
Kd of Th-230 in Saturated Zone	33	-0.02	34	-0.02	21	-0.04	18	-0.01
Kd of Th-228 in Contaminated Zone	9	-0.10	1	-0.47	15	-0.06	4	-0.06
Kd of Th-228 in Unsaturated Zone 1	30	0.03	9	0.12	27	-0.03	25	-0.01
Kd of Th-228 in Unsaturated Zone 2	21	-0.06	21	-0.05	8	0.12	7	0.04
Kd of Th-228 in Saturated Zone	18	-0.07	13	-0.08	24	0.03	9	0.03
Area of contaminated zone	12	-0.09	15	-0.08	5	-0.18	8	-0.04
Thickness of contaminated zone	3	0.16	6	0.18	35	0.01	32	0.00
Cover depth	1	-0.43	2	-0.40	1	-0.97	1	-0.81
Density of cover material	2	-0.31	4	-0.27	2	-0.94	2	-0.55
Cover erosion rate	14	0.09	17	0.08	4	0.26	6	0.05
Thickness of Unsaturated zone 2	40	0.01	41	0.00	16	-0.05	20	-0.01
Density of Unsaturated zone 2	13	0.09	16	0.08	40	0.00	40	0.00
Hydraulic Conductivity of Unsaturated zone 2	38	-0.01	38	-0.01	18	0.04	23	0.01
Outdoor time fraction	16	0.08	18	0.07	3	0.57	3	0.14
Kd of Th-230 in Contaminated Zone	15	0.09	5	0.27	19	0.04	10	0.03
Kd of Th-230 in Unsaturated Zone 1	34	-0.02	35	-0.02	33	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	28	-0.04	30	-0.03	25	0.03	19	0.01
Kd of Th-230 in Saturated Zone	42	0.00	42	0.00	29	0.02	29	0.01
Aquatic food	23	-0.06	25	-0.05	10	0.08	15	0.02
R-SQUARE		0.33		0.33		0.96		0.96

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

Coefficients for peak 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
Density of saturated zone	40	0.01	40	0.01	9	-0.07	14	-0.01
Density of Unsaturted zone 1	35	-0.01	35	-0.01	31	0.03	35	0.01
Depth of roots	33	0.02	33	0.02	39	-0.01	40	0.00
Hydraulic Conductivity of Unsaturted zone 1	41	0.00	41	-0.01	25	0.04	16	0.01
Saturated zone hydraulic conductivity	31	-0.02	31	-0.02	32	-0.03	36	-0.01
Thickness of Unsaturted zone 1	6	-0.08	7	-0.10	15	0.06	11	0.02
Contaminated zone b parameter	42	0.00	42	0.00	26	-0.04	32	-0.01
Saturated zone b parameter	17	-0.05	16	-0.05	20	0.05	27	0.01
Contaminated zone erosion rate	21	-0.04	23	-0.04	27	-0.04	31	-0.01
Contaminated zone hydraulic conductivity	29	-0.02	25	-0.03	16	-0.06	7	-0.02
Evapotranspiration coefficient	36	-0.01	36	-0.01	7	0.08	12	0.01
Runoff coefficient	7	0.08	10	0.07	14	-0.07	22	-0.01
Saturated zone hydraulic gradient	5	0.09	9	0.08	10	-0.07	15	-0.01
Weathering removal constant of all vegetation	38	0.01	38	0.01	23	0.05	29	0.01
Wind Speed	10	-0.07	12	-0.06	24	0.05	28	0.01
Mass loading for inhalation	32	-0.02	32	-0.02	12	-0.07	20	-0.01
Depth of soil mixing layer	37	-0.01	37	-0.01	40	0.01	41	0.00
Density of contaminated zone	4	0.10	8	0.09	8	-0.08	13	-0.01
Inhalation rate	34	-0.02	34	-0.01	17	-0.06	24	-0.01
Soil ingestion	11	-0.07	14	-0.06	35	0.02	38	0.00
Kd of Th-230 in Contaminated Zone	8	0.07	4	0.28	38	0.01	30	0.01
Kd of Th-230 in Unsaturated Zone 1	30	0.02	30	0.02	29	0.04	23	0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	28	-0.02	18	0.06	8	0.02
Kd of Th-230 in Saturated Zone	13	-0.06	13	-0.06	36	0.02	37	0.00
Kd of Th-228 in Contaminated Zone	12	-0.07	1	-0.37	37	-0.02	9	-0.02
Kd of Th-228 in Unsaturated Zone 1	22	-0.03	24	-0.03	34	0.02	34	0.01
Kd of Th-228 in Unsaturated Zone 2	24	-0.03	19	-0.04	22	-0.05	17	-0.01
Kd of Th-228 in Saturated Zone	25	0.03	22	0.04	33	-0.03	6	-0.02
Area of contaminated zone	28	-0.02	29	-0.02	11	0.07	19	0.01
Thickness of contaminated zone	15	-0.06	11	-0.07	5	0.12	5	0.03
Cover depth	1	-0.35	2	-0.33	1	-0.98	1	-0.81
Density of cover material	2	-0.24	5	-0.22	2	-0.94	2	-0.52
Cover erosion rate	23	0.03	27	0.03	4	0.19	4	0.03
Thickness of Unsaturated zone 2	16	-0.05	17	-0.05	19	0.05	26	0.01
Density of Unsaturated zone 2	14	0.06	15	0.05	13	-0.07	21	-0.01
Hydraulic Conductivity of Unsaturated zone 2	39	-0.01	39	-0.01	28	-0.04	33	-0.01
Outdoor time fraction	3	0.15	6	0.14	3	0.57	3	0.13
Kd of Th-230 in Contaminated Zone	9	0.07	3	0.28	41	0.01	39	0.00
Kd of Th-230 in Unsaturated Zone 1	26	0.02	26	0.03	42	0.00	42	0.00
Kd of Th-230 in Unsaturated Zone 2	18	-0.05	18	-0.04	21	-0.05	18	-0.01
Kd of Th-230 in Saturated Zone	20	-0.04	20	-0.04	30	0.04	25	0.01
Aquatic food	19	-0.04	21	-0.04	6	0.09	10	0.02
R-SQUARE		0.23		0.23		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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
Density of saturated zone	22	-0.04	22	-0.04	6	-0.13	14	-0.02
Density of Unsaturted zone 1	25	-0.04	25	-0.03	22	0.06	27	0.01
Depth of roots	21	-0.04	21	-0.04	40	-0.01	40	0.00
Hydraulic Conductivity of Unsaturted zone 1	31	0.02	27	0.03	31	-0.03	30	-0.01
Saturated zone hydraulic conductivity	30	0.02	31	0.02	20	-0.07	26	-0.01
Thickness of Unsaturted zone 1	8	0.07	7	0.09	24	-0.06	22	-0.02
Contaminated zone b parameter	36	0.01	39	0.01	19	-0.07	24	-0.01
Saturated zone b parameter	5	-0.13	5	-0.12	33	-0.03	34	-0.01
Contaminated zone erosion rate	18	-0.05	18	-0.05	38	-0.02	38	0.00
Contaminated zone hydraulic conductivity	15	-0.06	9	-0.08	9	0.11	9	0.04
Evapotranspiration coefficient	38	0.00	40	0.00	23	0.06	28	0.01
Runoff coefficient	6	0.12	6	0.11	34	0.03	35	0.01
Saturated zone hydraulic gradient	4	0.17	4	0.16	7	-0.12	15	-0.02
Weathering removal constant of all vegetation	9	-0.07	11	-0.06	32	0.03	33	0.01
Wind Speed	28	0.03	30	0.03	13	-0.09	19	-0.02
Mass loading for inhalation	11	-0.06	12	-0.06	35	-0.03	36	0.00
Depth of soil mixing layer	7	-0.08	10	-0.08	41	0.01	41	0.00
Density of contaminated zone	14	-0.06	15	-0.05	39	0.02	39	0.00
Inhalation rate	20	0.05	20	0.04	10	-0.10	17	-0.02
Soil ingestion	33	-0.02	33	-0.01	29	-0.03	32	-0.01
Kd of Th-230 in Contaminated Zone	40	0.00	37	-0.01	25	-0.06	8	-0.04
Kd of Th-230 in Unsaturated Zone 1	13	-0.06	13	-0.06	27	-0.05	23	-0.02
Kd of Th-230 in Unsaturated Zone 2	29	0.03	29	0.03	30	-0.03	29	-0.01
Kd of Th-230 in Saturated Zone	35	0.01	38	0.01	8	-0.11	11	-0.03
Kd of Th-228 in Contaminated Zone	41	0.00	34	0.01	16	0.08	4	0.10
Kd of Th-228 in Unsaturated Zone 1	32	-0.02	32	-0.02	21	-0.06	16	-0.02
Kd of Th-228 in Unsaturated Zone 2	24	0.04	23	0.03	28	-0.04	25	-0.01
Kd of Th-228 in Saturated Zone	27	-0.03	28	-0.03	18	0.08	5	0.08
Area of contaminated zone	12	-0.06	14	-0.06	37	0.02	37	0.00
Thickness of contaminated zone	10	0.07	8	0.08	36	0.02	31	0.01
Cover depth	1	-0.28	1	-0.27	1	-0.97	1	-0.82
Density of cover material	2	-0.24	2	-0.22	2	-0.94	2	-0.52
Cover erosion rate	19	-0.05	19	-0.05	4	0.36	6	0.07
Thickness of Unsaturated zone 2	17	0.05	17	0.05	14	-0.09	20	-0.02
Density of Unsaturated zone 2	16	0.05	16	0.05	12	0.09	18	0.02
Hydraulic Conductivity of Unsaturated zone 2	42	0.00	42	0.00	5	0.18	10	0.03
Outdoor time fraction	3	0.21	3	0.19	3	0.56	3	0.13
Kd of Th-230 in Contaminated Zone	37	0.00	35	-0.01	15	-0.09	7	-0.07
Kd of Th-230 in Unsaturated Zone 1	34	-0.01	36	-0.01	17	-0.08	13	-0.03
Kd of Th-230 in Unsaturated Zone 2	26	-0.03	26	-0.03	11	-0.10	12	-0.03
Kd of Th-230 in Saturated Zone	39	0.00	41	0.00	26	-0.06	21	-0.02
Aquatic food	23	-0.04	24	-0.03	42	0.00	42	0.00
R-SQUARE		0.22		0.22		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	11	-0.07	12	-0.06	29	0.03	30	0.01
Density of Unsaturted zone 1	41	0.00	42	0.00	37	0.01	37	0.00
Depth of roots	10	-0.07	13	-0.06	22	-0.05	25	-0.01
Hydraulic Conductivity of Unsaturted zone 1	13	-0.06	8	-0.08	27	-0.04	23	-0.01
Saturated zone hydraulic conductivity	39	-0.01	39	-0.01	14	0.07	18	0.01
Thickness of Unsaturted zone 1	33	-0.02	28	-0.02	41	0.00	42	0.00
Contaminated zone b parameter	38	-0.01	38	-0.01	36	-0.01	36	0.00
Saturated zone b parameter	22	-0.04	23	-0.04	4	0.22	4	0.04
Contaminated zone erosion rate	26	-0.03	26	-0.03	7	0.14	8	0.03
Contaminated zone hydraulic conductivity	5	0.08	6	0.11	21	0.05	16	0.01
Evapotranspiration coefficient	29	0.03	31	0.02	30	0.03	32	0.00
Runoff coefficient	19	0.05	19	0.04	24	0.04	26	0.01
Saturated zone hydraulic gradient	42	0.00	41	0.00	38	0.00	40	0.00
Weathering removal constant of all vegetation	37	0.01	37	0.01	11	0.08	14	0.01
Wind Speed	7	-0.07	9	-0.06	16	-0.07	20	-0.01
Mass loading for inhalation	8	0.07	10	0.06	33	0.02	34	0.00
Depth of soil mixing layer	23	-0.04	24	-0.03	20	-0.05	24	-0.01
Density of contaminated zone	27	0.03	29	0.02	6	-0.21	6	-0.04
Inhalation rate	12	0.07	14	0.06	32	-0.02	33	0.00
Soil ingestion	31	-0.03	32	-0.02	9	0.13	11	0.02
Kd of Th-230 in Contaminated Zone	3	-0.11	3	-0.36	26	0.04	10	0.02
Kd of Th-230 in Unsaturated Zone 1	40	0.01	40	0.00	18	0.05	19	0.01
Kd of Th-230 in Unsaturated Zone 2	25	-0.03	25	-0.03	19	0.05	15	0.01
Kd of Th-230 in Saturated Zone	30	-0.03	30	-0.02	23	0.04	21	0.01
Kd of Th-228 in Contaminated Zone	6	0.08	2	0.38	42	0.00	41	0.00
Kd of Th-228 in Unsaturated Zone 1	18	-0.05	18	-0.05	12	0.08	12	0.02
Kd of Th-228 in Unsaturated Zone 2	36	-0.01	36	-0.01	10	0.10	9	0.02
Kd of Th-228 in Saturated Zone	28	-0.03	27	-0.02	39	0.00	38	0.00
Area of contaminated zone	35	0.02	35	0.01	34	0.02	35	0.00
Thickness of contaminated zone	24	-0.03	22	-0.04	35	-0.02	31	0.00
Cover depth	1	-0.45	1	-0.43	1	-0.98	1	-0.81
Density of cover material	2	-0.29	4	-0.26	2	-0.95	2	-0.54
Cover erosion rate	16	0.05	17	0.05	5	0.22	5	0.04
Thickness of Unsaturated zone 2	34	-0.02	34	-0.02	25	-0.04	27	-0.01
Density of Unsaturated zone 2	4	0.10	7	0.09	28	0.03	29	0.01
Hydraulic Conductivity of Unsaturated zone 2	20	-0.05	20	-0.04	13	0.07	17	0.01
Outdoor time fraction	9	0.07	11	0.06	3	0.53	3	0.11
Kd of Th-230 in Contaminated Zone	14	-0.06	5	-0.20	40	0.00	39	0.00
Kd of Th-230 in Unsaturated Zone 1	32	-0.02	33	-0.02	8	-0.13	7	-0.03
Kd of Th-230 in Unsaturated Zone 2	21	0.05	21	0.04	31	-0.02	28	-0.01
Kd of Th-230 in Saturated Zone	17	-0.05	16	-0.05	15	0.07	13	0.02
Aquatic food	15	0.06	15	0.05	17	-0.06	22	-0.01
R-SQUARE		0.30		0.30		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	12	0.06	17	0.05	15	-0.06	21	-0.01
Density of Unsaturted zone 1	42	0.00	42	0.00	32	-0.02	35	0.00
Depth of roots	27	0.03	28	0.03	24	-0.04	29	-0.01
Hydraulic Conductivity of Unsaturted zone 1	19	-0.05	12	-0.07	12	-0.06	13	-0.02
Saturated zone hydraulic conductivity	34	-0.01	35	-0.01	40	-0.01	41	0.00
Thickness of Unsaturted zone 1	17	-0.05	15	-0.06	7	0.12	7	0.03
Contaminated zone b parameter	3	0.10	7	0.09	13	-0.06	19	-0.01
Saturated zone b parameter	32	-0.02	33	-0.01	19	-0.05	25	-0.01
Contaminated zone erosion rate	37	0.01	37	0.01	22	-0.04	28	-0.01
Contaminated zone hydraulic conductivity	23	0.04	20	0.05	25	0.03	22	0.01
Evapotranspiration coefficient	31	0.02	32	0.02	16	0.05	23	0.01
Runoff coefficient	13	0.06	18	0.05	38	0.01	38	0.00
Saturated zone hydraulic gradient	5	-0.09	9	-0.09	39	0.01	40	0.00
Weathering removal constant of all vegetation	29	-0.02	30	-0.02	37	-0.01	37	0.00
Wind Speed	9	-0.07	13	-0.07	35	-0.02	36	0.00
Mass loading for inhalation	10	0.07	14	0.06	9	0.09	15	0.02
Depth of soil mixing layer	36	0.01	36	0.01	21	0.04	27	0.01
Density of contaminated zone	18	0.05	23	0.04	42	0.00	42	0.00
Inhalation rate	4	-0.10	8	-0.09	18	-0.05	24	-0.01
Soil ingestion	30	-0.02	31	-0.02	5	0.18	6	0.03
Kd of Th-230 in Contaminated Zone	20	-0.04	5	-0.16	27	0.03	12	0.02
Kd of Th-230 in Unsaturated Zone 1	35	-0.01	34	-0.01	29	0.02	30	0.01
Kd of Th-230 in Unsaturated Zone 2	28	-0.03	29	-0.02	34	-0.02	33	-0.01
Kd of Th-230 in Saturated Zone	39	0.01	38	0.01	36	0.02	34	0.00
Kd of Th-228 in Contaminated Zone	16	0.05	3	0.26	30	-0.02	8	-0.02
Kd of Th-228 in Unsaturated Zone 1	15	-0.05	21	-0.05	41	0.01	39	0.00
Kd of Th-228 in Unsaturated Zone 2	41	0.00	41	0.00	33	0.02	31	0.01
Kd of Th-228 in Saturated Zone	24	0.03	6	0.11	31	-0.02	11	-0.02
Area of contaminated zone	22	-0.04	26	-0.03	8	0.11	10	0.02
Thickness of contaminated zone	25	-0.03	24	-0.04	6	0.15	5	0.04
Cover depth	1	-0.35	1	-0.34	1	-0.97	1	-0.82
Density of cover material	2	-0.26	4	-0.24	2	-0.94	2	-0.54
Cover erosion rate	26	-0.03	27	-0.03	4	0.27	4	0.05
Thickness of Unsaturated zone 2	14	-0.06	19	-0.05	26	0.03	32	0.01
Density of Unsaturated zone 2	6	0.08	10	0.08	11	-0.07	17	-0.01
Hydraulic Conductivity of Unsaturated zone 2	11	-0.06	16	-0.06	14	-0.06	20	-0.01
Outdoor time fraction	7	0.08	11	0.07	3	0.57	3	0.13
Kd of Th-230 in Contaminated Zone	8	-0.08	2	-0.28	28	0.03	14	0.02
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	22	-0.05	17	0.05	16	0.01
Kd of Th-230 in Unsaturated Zone 2	21	-0.04	25	-0.04	23	0.04	18	0.01
Kd of Th-230 in Saturated Zone	40	0.01	40	0.01	10	0.08	9	0.02
Aquatic food	38	-0.01	39	-0.01	20	0.04	26	0.01
R-SQUARE		0.24		0.24		0.97		0.97

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Inhalation particles Dose

	PCC		SRC		PRCC		SRRC	
Coefficient =								
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	3		3		3		3	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	3		3		3		3	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	5		5		5		5	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Meat (WaterInd.) Dose

	PCC		SRC		PRCC		SRRC	
Coefficient =								
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	3		3		3		3	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	22	0.00	22	0.00	22	0.00	22	0.00
Density of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Depth of roots	22	0.00	22	0.00	22	0.00	22	0.00
Hydraulic Conductivity of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone hydraulic conductivity	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone b parameter	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone b parameter	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone erosion rate	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone hydraulic conductivity	22	0.00	22	0.00	22	0.00	22	0.00
Evapotranspiration coefficient	22	0.00	22	0.00	22	0.00	22	0.00
Runoff coefficient	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone hydraulic gradient	22	0.00	22	0.00	22	0.00	22	0.00
Weathering removal constant of all vegetation	22	0.00	22	0.00	22	0.00	22	0.00
Wind Speed	22	0.00	22	0.00	22	0.00	22	0.00
Mass loading for inhalation	22	0.00	22	0.00	22	0.00	22	0.00
Depth of soil mixing layer	22	0.00	22	0.00	22	0.00	22	0.00
Density of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Inhalation rate	22	0.00	22	0.00	22	0.00	22	0.00
Soil ingestion	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Area of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Cover depth	22	0.00	22	0.00	22	0.00	22	0.00
Density of cover material	22	0.00	22	0.00	22	0.00	22	0.00
Cover erosion rate	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Density of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Hydraulic Conductivity of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Outdoor time fraction	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Aquatic food	22	0.00	22	0.00	22	0.00	22	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
Density of saturated zone	22	0.00	22	0.00	22	0.00	22	0.00
Density of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Depth of roots	22	0.00	22	0.00	22	0.00	22	0.00
Hydraulic Conductivity of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone hydraulic conductivity	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone b parameter	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone b parameter	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone erosion rate	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone hydraulic conductivity	22	0.00	22	0.00	22	0.00	22	0.00
Evapotranspiration coefficient	22	0.00	22	0.00	22	0.00	22	0.00
Runoff coefficient	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone hydraulic gradient	22	0.00	22	0.00	22	0.00	22	0.00
Weathering removal constant of all vegetation	22	0.00	22	0.00	22	0.00	22	0.00
Wind Speed	22	0.00	22	0.00	22	0.00	22	0.00
Mass loading for inhalation	22	0.00	22	0.00	22	0.00	22	0.00
Depth of soil mixing layer	22	0.00	22	0.00	22	0.00	22	0.00
Density of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Inhalation rate	22	0.00	22	0.00	22	0.00	22	0.00
Soil ingestion	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Area of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Cover depth	22	0.00	22	0.00	22	0.00	22	0.00
Density of cover material	22	0.00	22	0.00	22	0.00	22	0.00
Cover erosion rate	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Density of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Hydraulic Conductivity of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Outdoor time fraction	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Aquatic food	22	0.00	22	0.00	22	0.00	22	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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	3		3		3		3	
Density of saturated zone	1	-0.16	3	-0.16	11	-0.10	14	-0.09
Density of Unsaturted zone 1	6	-0.07	10	-0.07	30	-0.03	32	-0.03
Depth of roots	31	-0.02	31	-0.01	40	0.01	40	0.01
Hydraulic Conductivity of Unsaturted zone 1	42	0.00	40	0.01	32	-0.02	31	-0.03
Saturated zone hydraulic conductivity	32	0.01	32	0.01	17	0.08	21	0.07
Thickness of Unsaturted zone 1	10	-0.07	8	-0.09	15	-0.09	12	-0.12
Contaminated zone b parameter	33	-0.01	33	-0.01	38	-0.01	39	-0.01
Saturated zone b parameter	18	-0.05	19	-0.05	14	-0.09	18	-0.08
Contaminated zone erosion rate	37	0.01	36	0.01	27	0.04	30	0.04
Contaminated zone hydraulic conductivity	24	-0.03	20	-0.04	39	0.01	38	0.01
Evapotranspiration coefficient	20	0.04	22	0.03	42	0.00	42	0.00
Runoff coefficient	12	-0.06	15	-0.05	16	-0.09	19	-0.08
Saturated zone hydraulic gradient	25	-0.02	25	-0.02	26	-0.05	29	-0.04
Weathering removal constant of all vegetation	2	0.10	7	0.10	13	0.09	17	0.08
Wind Speed	3	-0.10	6	-0.10	10	-0.12	13	-0.11
Mass loading for inhalation	8	-0.07	11	-0.07	19	-0.07	23	-0.06
Depth of soil mixing layer	5	0.08	9	0.08	21	0.06	24	0.05
Density of contaminated zone	19	0.04	21	0.04	31	-0.03	33	-0.03
Inhalation rate	9	-0.07	13	-0.07	12	-0.10	15	-0.09
Soil ingestion	29	-0.02	30	-0.02	25	-0.05	28	-0.05
Kd of Th-230 in Contaminated Zone	22	0.03	5	0.11	36	0.02	20	0.07
Kd of Th-230 in Unsaturated Zone 1	41	-0.01	42	-0.01	5	-0.28	5	-0.42
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	18	-0.05	4	-0.28	4	-0.42
Kd of Th-230 in Saturated Zone	39	0.01	39	0.01	8	-0.22	9	-0.32
Kd of Th-228 in Contaminated Zone	14	-0.05	1	-0.33	29	-0.04	10	-0.21
Kd of Th-228 in Unsaturated Zone 1	34	0.01	34	0.01	7	-0.27	7	-0.39
Kd of Th-228 in Unsaturated Zone 2	40	-0.01	41	-0.01	9	-0.22	8	-0.34
Kd of Th-228 in Saturated Zone	30	-0.02	29	-0.02	1	0.29	1	1.41
Area of contaminated zone	7	-0.07	12	-0.07	23	-0.06	25	-0.05
Thickness of contaminated zone	4	-0.09	4	-0.12	20	-0.06	16	-0.08
Cover depth	13	0.06	16	0.05	33	0.02	34	0.02
Density of cover material	11	-0.06	14	-0.05	37	-0.02	37	-0.01
Cover erosion rate	26	-0.02	26	-0.02	18	0.07	22	0.06
Thickness of Unsaturated zone 2	36	-0.01	37	-0.01	24	-0.05	27	-0.05
Density of Unsaturated zone 2	23	-0.03	24	-0.03	34	0.02	35	0.02
Hydraulic Conductivity of Unsaturated zone 2	28	-0.02	28	-0.02	35	0.02	36	0.02
Outdoor time fraction	15	-0.05	17	-0.05	41	0.00	41	0.00
Kd of Th-230 in Contaminated Zone	16	0.05	2	0.22	28	0.04	11	0.14
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.03	3	-0.28	6	-0.42
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	27	-0.02	6	-0.27	2	-0.43
Kd of Th-230 in Saturated Zone	38	0.01	38	0.01	2	-0.29	3	-0.42
Aquatic food	35	0.01	35	0.01	22	0.06	26	0.05
R-SQUARE		0.11		0.11		0.24		0.24

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	9	-0.07	12	-0.07	14	-0.09	17	-0.08
Density of Unsaturted zone 1	3	-0.13	6	-0.13	8	-0.13	14	-0.12
Depth of roots	32	-0.02	32	-0.02	32	-0.03	34	-0.03
Hydraulic Conductivity of Unsaturted zone 1	26	-0.02	20	-0.04	42	0.00	42	0.00
Saturated zone hydraulic conductivity	25	0.03	28	0.02	20	0.08	23	0.07
Thickness of Unsaturted zone 1	41	0.00	41	0.00	41	0.00	41	0.01
Contaminated zone b parameter	4	0.12	7	0.11	19	0.08	22	0.07
Saturated zone b parameter	17	0.05	18	0.05	17	0.08	20	0.08
Contaminated zone erosion rate	39	0.00	39	0.00	40	0.01	40	0.01
Contaminated zone hydraulic conductivity	28	0.02	23	0.03	35	0.02	33	0.03
Evapotranspiration coefficient	21	0.03	22	0.03	34	0.02	35	0.02
Runoff coefficient	5	-0.09	8	-0.09	16	-0.09	19	-0.08
Saturated zone hydraulic gradient	35	-0.01	35	-0.01	30	0.04	31	0.04
Weathering removal constant of all vegetation	38	-0.01	38	-0.01	37	0.02	37	0.01
Wind Speed	1	0.16	4	0.15	12	0.11	16	0.10
Mass loading for inhalation	23	-0.03	27	-0.03	22	-0.06	25	-0.06
Depth of soil mixing layer	8	-0.08	11	-0.08	21	-0.07	24	-0.06
Density of contaminated zone	12	-0.06	15	-0.06	23	-0.06	26	-0.06
Inhalation rate	40	0.00	40	0.00	36	0.02	36	0.02
Soil ingestion	2	-0.14	5	-0.13	7	-0.14	13	-0.13
Kd of Th-230 in Contaminated Zone	14	-0.06	2	-0.19	24	-0.06	7	-0.20
Kd of Th-230 in Unsaturated Zone 1	24	0.03	26	0.03	5	-0.16	6	-0.20
Kd of Th-230 in Unsaturated Zone 2	30	-0.02	30	-0.02	2	-0.17	3	-0.25
Kd of Th-230 in Saturated Zone	37	-0.01	37	-0.01	3	-0.17	4	-0.23
Kd of Th-228 in Contaminated Zone	18	0.04	1	0.22	29	0.04	5	0.20
Kd of Th-228 in Unsaturated Zone 1	20	-0.03	21	-0.03	1	-0.19	2	-0.26
Kd of Th-228 in Unsaturated Zone 2	13	-0.06	16	-0.06	11	-0.11	11	-0.15
Kd of Th-228 in Saturated Zone	29	0.02	29	0.02	4	0.17	1	0.67
Area of contaminated zone	15	-0.06	17	-0.05	31	-0.04	32	-0.04
Thickness of contaminated zone	27	0.02	25	0.03	33	0.03	30	0.04
Cover depth	6	-0.09	9	-0.08	15	-0.09	18	-0.08
Density of cover material	10	-0.07	13	-0.07	25	-0.06	27	-0.05
Cover erosion rate	19	-0.04	19	-0.04	28	-0.04	29	-0.04
Thickness of Unsaturated zone 2	36	0.01	36	0.01	27	0.04	28	0.04
Density of Unsaturated zone 2	42	0.00	42	0.00	38	0.02	38	0.01
Hydraulic Conductivity of Unsaturated zone 2	34	-0.01	34	-0.01	39	-0.01	39	-0.01
Outdoor time fraction	7	-0.08	10	-0.08	9	-0.12	15	-0.12
Kd of Th-230 in Contaminated Zone	16	-0.05	3	-0.19	26	-0.05	9	-0.16
Kd of Th-230 in Unsaturated Zone 1	31	-0.02	31	-0.02	6	-0.14	8	-0.19
Kd of Th-230 in Unsaturated Zone 2	33	0.02	33	0.02	10	-0.12	10	-0.16
Kd of Th-230 in Saturated Zone	22	-0.03	24	-0.03	13	-0.10	12	-0.14
Aquatic food	11	0.06	14	0.06	18	0.08	21	0.08
R-SQUARE		0.13		0.13		0.17		0.17

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	22	0.00	22	0.00	22	0.00	22	0.00
Density of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Depth of roots	22	0.00	22	0.00	22	0.00	22	0.00
Hydraulic Conductivity of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone hydraulic conductivity	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of Unsaturted zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone b parameter	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone b parameter	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone erosion rate	22	0.00	22	0.00	22	0.00	22	0.00
Contaminated zone hydraulic conductivity	22	0.00	22	0.00	22	0.00	22	0.00
Evapotranspiration coefficient	22	0.00	22	0.00	22	0.00	22	0.00
Runoff coefficient	22	0.00	22	0.00	22	0.00	22	0.00
Saturated zone hydraulic gradient	22	0.00	22	0.00	22	0.00	22	0.00
Weathering removal constant of all vegetation	22	0.00	22	0.00	22	0.00	22	0.00
Wind Speed	22	0.00	22	0.00	22	0.00	22	0.00
Mass loading for inhalation	22	0.00	22	0.00	22	0.00	22	0.00
Depth of soil mixing layer	22	0.00	22	0.00	22	0.00	22	0.00
Density of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Inhalation rate	22	0.00	22	0.00	22	0.00	22	0.00
Soil ingestion	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-228 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Area of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of contaminated zone	22	0.00	22	0.00	22	0.00	22	0.00
Cover depth	22	0.00	22	0.00	22	0.00	22	0.00
Density of cover material	22	0.00	22	0.00	22	0.00	22	0.00
Cover erosion rate	22	0.00	22	0.00	22	0.00	22	0.00
Thickness of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Density of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Hydraulic Conductivity of Unsaturated zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Outdoor time fraction	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Contaminated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 1	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.00	22	0.00	22	0.00	22	0.00
Kd of Th-230 in Saturated Zone	22	0.00	22	0.00	22	0.00	22	0.00
Aquatic food	22	0.00	22	0.00	22	0.00	22	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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	1		1		1		1	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	3		3		3		3	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

	PCC		SRC		PRCC		SRRC	
Coefficient =								
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	4		4		4		4	
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	26	0.03	31	0.03	10	-0.10	11	-0.02
Density of Unsaturted zone 1	19	0.05	23	0.04	15	-0.07	16	-0.02
Depth of roots	12	-0.06	18	-0.05	39	-0.01	39	0.00
Hydraulic Conductivity of Unsaturted zone 1	28	-0.03	22	-0.05	20	0.03	19	0.01
Saturated zone hydraulic conductivity	25	-0.04	29	-0.03	19	-0.03	25	-0.01
Thickness of Unsaturted zone 1	9	0.08	9	0.10	25	-0.02	23	-0.01
Contaminated zone b parameter	11	-0.06	17	-0.06	14	-0.07	15	-0.02
Saturated zone b parameter	39	-0.02	39	-0.02	29	0.02	33	0.00
Contaminated zone erosion rate	31	0.03	33	0.03	37	0.01	37	0.00
Contaminated zone hydraulic conductivity	34	0.03	27	0.04	24	0.02	22	0.01
Evapotranspiration coefficient	6	0.09	12	0.09	38	0.01	38	0.00
Runoff coefficient	35	0.02	35	0.02	17	-0.07	18	-0.02
Saturated zone hydraulic gradient	37	-0.02	37	-0.02	7	-0.12	9	-0.03
Weathering removal constant of all vegetation	30	0.03	32	0.03	27	-0.02	31	0.00
Wind Speed	16	-0.05	20	-0.05	26	0.02	30	0.01
Mass loading for inhalation	20	0.04	24	0.04	34	-0.01	35	0.00
Depth of soil mixing layer	8	-0.08	15	-0.08	11	-0.10	12	-0.02
Density of contaminated zone	7	-0.09	13	-0.08	16	-0.07	17	-0.02
Inhalation rate	40	0.01	40	0.01	23	-0.03	27	-0.01
Soil ingestion	5	-0.10	11	-0.09	18	-0.05	20	-0.01
Kd of Th-230 in Contaminated Zone	18	0.05	3	0.18	5	0.13	4	0.11
Kd of Th-230 in Unsaturated Zone 1	27	-0.03	30	-0.03	32	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 2	33	-0.03	10	-0.10	36	0.01	34	0.00
Kd of Th-230 in Saturated Zone	32	-0.03	34	-0.03	42	0.00	42	0.00
Kd of Th-228 in Contaminated Zone	15	-0.05	1	-0.28	6	-0.13	3	-0.16
Kd of Th-228 in Unsaturated Zone 1	21	0.04	5	0.16	33	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 2	22	-0.04	25	-0.04	12	0.09	8	0.03
Kd of Th-228 in Saturated Zone	13	-0.06	14	-0.08	31	0.01	14	0.02
Area of contaminated zone	17	-0.05	21	-0.05	4	-0.15	7	-0.03
Thickness of contaminated zone	4	0.10	6	0.14	40	0.00	40	0.00
Cover depth	1	-0.26	2	-0.25	1	-0.96	1	-0.81
Density of cover material	2	-0.18	4	-0.17	2	-0.93	2	-0.55
Cover erosion rate	41	-0.01	41	-0.01	13	0.08	13	0.02
Thickness of Unsaturated zone 2	24	-0.04	28	-0.03	35	-0.01	36	0.00
Density of Unsaturated zone 2	3	0.12	7	0.12	41	0.00	41	0.00
Hydraulic Conductivity of Unsaturated zone 2	14	-0.06	19	-0.05	22	0.03	26	0.01
Outdoor time fraction	36	0.02	36	0.02	3	0.27	6	0.06
Kd of Th-230 in Contaminated Zone	29	0.03	8	0.11	8	0.11	5	0.09
Kd of Th-230 in Unsaturated Zone 1	38	-0.02	38	-0.02	30	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	23	-0.04	26	-0.04	28	0.02	24	0.01
Kd of Th-230 in Saturated Zone	42	0.01	42	0.01	21	0.03	21	0.01
Aquatic food	10	-0.06	16	-0.06	9	0.11	10	0.02
R-SQUARE		0.17		0.17		0.95		0.95

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

Coefficients for peak Pb-210 Dose

Description of Probabilistic Variable	PCC Sig	PCC Coeff	SRC Sig	SRC Coeff	PRCC Sig	PRCC Coeff	SRRC Sig	SRRC Coeff
Coefficient =								
Repetition =	2		2		2		2	
Density of saturated zone	40	0.00	40	0.00	21	-0.06	23	-0.01
Density of Unsaturted zone 1	23	0.03	24	0.03	31	0.04	32	0.01
Depth of roots	10	-0.06	15	-0.06	33	-0.04	35	-0.01
Hydraulic Conductivity of Unsaturted zone 1	18	0.04	17	0.05	11	0.09	9	0.03
Saturated zone hydraulic conductivity	34	-0.01	35	-0.01	32	-0.04	33	-0.01
Thickness of Unsaturted zone 1	8	-0.08	8	-0.11	35	0.03	34	0.01
Contaminated zone b parameter	25	0.03	25	0.02	38	0.01	38	0.00
Saturated zone b parameter	14	-0.05	20	-0.04	6	0.10	15	0.02
Contaminated zone erosion rate	29	-0.02	29	-0.02	8	-0.09	16	-0.02
Contaminated zone hydraulic conductivity	20	-0.03	19	-0.05	7	-0.10	8	-0.03
Evapotranspiration coefficient	15	-0.04	21	-0.04	25	0.05	28	0.01
Runoff coefficient	4	0.11	9	0.10	5	-0.10	14	-0.02
Saturated zone hydraulic gradient	39	0.00	39	0.00	13	-0.08	19	-0.01
Weathering removal constant of all vegetation	41	0.00	41	0.00	27	0.04	29	0.01
Wind Speed	11	-0.06	16	-0.05	24	0.05	27	0.01
Mass loading for inhalation	37	0.01	37	0.01	14	-0.07	20	-0.01
Depth of soil mixing layer	12	-0.05	18	-0.05	41	0.00	41	0.00
Density of contaminated zone	33	0.01	34	0.01	30	-0.04	31	-0.01
Inhalation rate	9	-0.06	13	-0.06	29	-0.04	30	-0.01
Soil ingestion	7	-0.09	11	-0.09	42	0.00	42	0.00
Kd of Th-230 in Contaminated Zone	22	0.03	7	0.12	20	0.06	6	0.04
Kd of Th-230 in Unsaturated Zone 1	42	0.00	42	0.00	16	0.07	13	0.02
Kd of Th-230 in Unsaturated Zone 2	30	-0.02	32	-0.02	10	0.09	10	0.03
Kd of Th-230 in Saturated Zone	32	-0.02	31	-0.02	28	0.04	22	0.01
Kd of Th-228 in Contaminated Zone	21	-0.03	2	-0.19	19	-0.06	4	-0.06
Kd of Th-228 in Unsaturated Zone 1	26	-0.02	26	-0.02	18	0.06	17	0.02
Kd of Th-228 in Unsaturated Zone 2	16	-0.04	14	-0.06	40	0.00	39	0.00
Kd of Th-228 in Saturated Zone	35	0.01	30	0.02	15	-0.07	3	-0.07
Area of contaminated zone	28	-0.02	28	-0.02	17	0.06	21	0.01
Thickness of contaminated zone	6	-0.10	5	-0.13	34	0.03	25	0.01
Cover depth	1	-0.20	1	-0.20	1	-0.97	1	-0.81
Density of cover material	2	-0.15	4	-0.14	2	-0.94	2	-0.53
Cover erosion rate	31	-0.02	33	-0.02	22	-0.05	24	-0.01
Thickness of Unsaturated zone 2	17	-0.04	22	-0.03	39	-0.01	40	0.00
Density of Unsaturated zone 2	5	0.10	10	0.10	23	-0.05	26	-0.01
Hydraulic Conductivity of Unsaturated zone 2	27	-0.02	27	-0.02	12	-0.08	18	-0.02
Outdoor time fraction	3	0.12	6	0.12	3	0.25	5	0.05
Kd of Th-230 in Contaminated Zone	19	0.04	3	0.15	26	0.05	7	0.03
Kd of Th-230 in Unsaturated Zone 1	13	0.05	12	0.07	36	0.02	36	0.01
Kd of Th-230 in Unsaturated Zone 2	36	-0.01	36	-0.01	37	-0.02	37	-0.01
Kd of Th-230 in Saturated Zone	24	-0.03	23	-0.03	9	0.09	11	0.03
Aquatic food	38	-0.01	38	-0.01	4	0.11	12	0.02
R-SQUARE		0.14		0.14		0.96		0.96

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

Coefficients for peak Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	19	-0.03	25	-0.03	11	-0.10	19	-0.02
Density of Unsaturted zone 1	17	-0.04	20	-0.04	10	0.10	17	0.02
Depth of roots	22	-0.03	27	-0.03	36	-0.02	38	0.00
Hydraulic Conductivity of Unsaturted zone 1	26	0.02	22	0.03	39	-0.01	36	0.00
Saturated zone hydraulic conductivity	35	0.01	35	0.01	32	-0.03	32	-0.01
Thickness of Unsaturted zone 1	24	0.03	24	0.03	31	-0.03	25	-0.01
Contaminated zone b parameter	33	0.02	33	0.02	23	-0.05	26	-0.01
Saturated zone b parameter	5	-0.13	5	-0.12	30	-0.04	31	-0.01
Contaminated zone erosion rate	13	-0.05	16	-0.05	33	0.03	33	0.01
Contaminated zone hydraulic conductivity	9	-0.07	8	-0.10	17	0.08	14	0.03
Evapotranspiration coefficient	15	-0.04	19	-0.04	27	0.04	29	0.01
Runoff coefficient	6	0.11	6	0.10	9	0.10	16	0.02
Saturated zone hydraulic gradient	3	0.17	3	0.17	19	-0.08	22	-0.02
Weathering removal constant of all vegetation	8	-0.08	12	-0.07	24	0.05	27	0.01
Wind Speed	34	0.01	34	0.01	20	-0.07	23	-0.02
Mass loading for inhalation	10	-0.07	13	-0.07	40	-0.01	40	0.00
Depth of soil mixing layer	7	-0.10	9	-0.09	34	0.02	35	0.01
Density of contaminated zone	25	-0.03	29	-0.02	38	-0.01	39	0.00
Inhalation rate	18	0.04	21	0.04	6	-0.15	12	-0.03
Soil ingestion	39	0.00	39	0.00	41	0.01	41	0.00
Kd of Th-230 in Contaminated Zone	30	-0.02	11	-0.07	21	-0.07	6	-0.06
Kd of Th-230 in Unsaturated Zone 1	16	-0.04	18	-0.04	37	-0.02	34	-0.01
Kd of Th-230 in Unsaturated Zone 2	29	0.02	32	0.02	29	-0.04	24	-0.01
Kd of Th-230 in Saturated Zone	40	0.00	40	0.00	13	-0.09	11	-0.03
Kd of Th-228 in Contaminated Zone	31	0.02	7	0.10	7	0.11	3	0.15
Kd of Th-228 in Unsaturated Zone 1	36	-0.01	36	-0.01	12	-0.09	10	-0.03
Kd of Th-228 in Unsaturated Zone 2	20	0.03	23	0.03	25	-0.05	21	-0.02
Kd of Th-228 in Saturated Zone	23	-0.03	28	-0.03	18	0.08	5	0.09
Area of contaminated zone	14	-0.05	17	-0.05	26	0.04	28	0.01
Thickness of contaminated zone	12	0.06	10	0.07	42	0.00	42	0.00
Cover depth	1	-0.19	1	-0.18	1	-0.97	1	-0.83
Density of cover material	2	-0.19	2	-0.18	2	-0.92	2	-0.51
Cover erosion rate	21	-0.03	26	-0.03	5	0.16	9	0.03
Thickness of Unsaturated zone 2	11	0.06	15	0.06	28	-0.04	30	-0.01
Density of Unsaturated zone 2	27	0.02	31	0.02	14	0.09	20	0.02
Hydraulic Conductivity of Unsaturated zone 2	42	0.00	42	0.00	4	0.19	8	0.04
Outdoor time fraction	4	0.16	4	0.15	3	0.24	7	0.05
Kd of Th-230 in Contaminated Zone	32	-0.02	14	-0.06	8	-0.10	4	-0.09
Kd of Th-230 in Unsaturated Zone 1	37	-0.01	37	-0.01	16	-0.08	15	-0.03
Kd of Th-230 in Unsaturated Zone 2	28	-0.02	30	-0.02	15	-0.08	13	-0.03
Kd of Th-230 in Saturated Zone	41	0.00	41	0.00	22	-0.06	18	-0.02
Aquatic food	38	0.00	38	0.00	35	-0.02	37	0.00
R-SQUARE		0.16		0.16		0.96		0.96

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

Coefficients for peak Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	9	-0.06	14	-0.05	20	0.06	23	0.01
Density of Unsaturted zone 1	16	0.04	19	0.04	22	0.06	25	0.01
Depth of roots	19	-0.04	21	-0.04	14	-0.08	20	-0.02
Hydraulic Conductivity of Unsaturted zone 1	7	-0.09	5	-0.13	16	-0.07	12	-0.02
Saturated zone hydraulic conductivity	38	-0.01	38	-0.01	12	0.08	19	0.02
Thickness of Unsaturted zone 1	15	-0.04	13	-0.06	32	0.03	29	0.01
Contaminated zone b parameter	27	-0.02	29	-0.02	34	-0.01	36	0.00
Saturated zone b parameter	18	-0.04	20	-0.04	5	0.20	7	0.04
Contaminated zone erosion rate	20	-0.03	23	-0.03	9	0.10	15	0.02
Contaminated zone hydraulic conductivity	3	0.11	3	0.16	18	0.06	16	0.02
Evapotranspiration coefficient	5	0.09	7	0.09	29	-0.03	30	-0.01
Runoff coefficient	25	0.03	27	0.03	40	0.00	40	0.00
Saturated zone hydraulic gradient	23	0.03	25	0.03	31	0.03	33	0.01
Weathering removal constant of all vegetation	6	0.09	8	0.09	7	0.10	14	0.02
Wind Speed	4	-0.10	6	-0.09	25	-0.05	27	-0.01
Mass loading for inhalation	26	0.03	28	0.02	41	0.00	41	0.00
Depth of soil mixing layer	40	0.00	40	0.00	37	-0.01	39	0.00
Density of contaminated zone	29	-0.02	30	-0.02	3	-0.20	6	-0.04
Inhalation rate	36	-0.01	36	-0.01	33	-0.02	34	0.00
Soil ingestion	22	-0.03	24	-0.03	10	0.10	18	0.02
Kd of Th-230 in Contaminated Zone	14	-0.05	2	-0.16	26	0.05	8	0.03
Kd of Th-230 in Unsaturated Zone 1	35	0.01	35	0.01	24	0.05	21	0.01
Kd of Th-230 in Unsaturated Zone 2	21	-0.03	22	-0.03	13	0.08	11	0.02
Kd of Th-230 in Saturated Zone	17	-0.04	18	-0.04	11	0.09	10	0.03
Kd of Th-228 in Contaminated Zone	33	0.01	10	0.07	39	-0.01	32	-0.01
Kd of Th-228 in Unsaturated Zone 1	24	-0.03	26	-0.03	15	0.07	13	0.02
Kd of Th-228 in Unsaturated Zone 2	34	-0.01	34	-0.01	8	0.10	9	0.03
Kd of Th-228 in Saturated Zone	30	-0.02	31	-0.02	23	-0.05	3	-0.05
Area of contaminated zone	8	0.07	11	0.06	30	0.03	31	0.01
Thickness of contaminated zone	11	-0.05	12	-0.06	28	-0.04	26	-0.01
Cover depth	1	-0.25	1	-0.24	1	-0.97	1	-0.81
Density of cover material	2	-0.15	4	-0.15	2	-0.94	2	-0.55
Cover erosion rate	41	0.00	41	0.00	42	0.00	42	0.00
Thickness of Unsaturated zone 2	42	0.00	42	0.00	27	-0.04	28	-0.01
Density of Unsaturated zone 2	12	0.05	17	0.05	21	0.06	24	0.01
Hydraulic Conductivity of Unsaturated zone 2	31	-0.02	32	-0.02	19	0.06	22	0.01
Outdoor time fraction	37	0.01	37	0.01	4	0.20	5	0.04
Kd of Th-230 in Contaminated Zone	28	-0.02	9	-0.08	38	0.01	35	0.00
Kd of Th-230 in Unsaturated Zone 1	39	0.00	39	0.00	17	-0.07	17	-0.02
Kd of Th-230 in Unsaturated Zone 2	32	0.02	33	0.02	36	0.01	37	0.00
Kd of Th-230 in Saturated Zone	13	-0.05	16	-0.05	6	0.15	4	0.04
Aquatic food	10	0.05	15	0.05	35	-0.01	38	0.00
R-SQUARE		0.15		0.15		0.96		0.96

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

Coefficients for peak Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	19	0.04	23	0.03	37	-0.01	39	0.00
Density of Unsaturted zone 1	38	0.01	39	0.01	35	-0.01	35	0.00
Depth of roots	40	0.00	41	0.00	22	-0.04	27	-0.01
Hydraulic Conductivity of Unsaturted zone 1	6	-0.07	4	-0.11	9	-0.07	10	-0.02
Saturated zone hydraulic conductivity	36	-0.01	37	-0.01	24	0.04	29	0.01
Thickness of Unsaturted zone 1	24	-0.02	24	-0.03	6	0.12	6	0.04
Contaminated zone b parameter	4	0.08	8	0.08	13	-0.05	20	-0.01
Saturated zone b parameter	22	-0.03	26	-0.03	10	-0.06	14	-0.01
Contaminated zone erosion rate	18	0.04	21	0.04	23	-0.04	28	-0.01
Contaminated zone hydraulic conductivity	13	0.05	7	0.08	27	0.03	18	0.01
Evapotranspiration coefficient	16	0.04	20	0.04	11	0.05	15	0.01
Runoff coefficient	5	0.07	9	0.07	15	-0.04	21	-0.01
Saturated zone hydraulic gradient	9	-0.06	12	-0.06	42	0.00	42	0.00
Weathering removal constant of all vegetation	21	-0.03	25	-0.03	38	-0.01	40	0.00
Wind Speed	25	-0.02	29	-0.02	34	-0.02	34	0.00
Mass loading for inhalation	10	0.06	14	0.06	8	0.07	13	0.01
Depth of soil mixing layer	31	0.01	32	0.01	19	0.04	24	0.01
Density of contaminated zone	7	0.07	10	0.06	28	0.03	31	0.01
Inhalation rate	3	-0.10	6	-0.09	20	-0.04	26	-0.01
Soil ingestion	39	0.00	40	0.00	5	0.13	9	0.03
Kd of Th-230 in Contaminated Zone	33	-0.01	17	-0.05	21	0.04	8	0.03
Kd of Th-230 in Unsaturated Zone 1	37	0.01	38	0.01	30	-0.02	25	-0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	30	-0.02	25	-0.03	17	-0.01
Kd of Th-230 in Saturated Zone	30	0.01	31	0.01	41	0.00	41	0.00
Kd of Th-228 in Contaminated Zone	29	0.02	5	0.10	18	-0.04	4	-0.05
Kd of Th-228 in Unsaturated Zone 1	20	-0.03	22	-0.04	26	-0.03	16	-0.01
Kd of Th-228 in Unsaturated Zone 2	32	0.01	33	0.01	39	-0.01	37	0.00
Kd of Th-228 in Saturated Zone	28	0.02	13	0.06	33	0.02	12	0.02
Area of contaminated zone	34	-0.01	34	-0.01	7	0.09	11	0.02
Thickness of contaminated zone	26	-0.02	28	-0.03	4	0.13	5	0.04
Cover depth	1	-0.18	1	-0.18	1	-0.97	1	-0.82
Density of cover material	2	-0.17	2	-0.17	2	-0.93	2	-0.54
Cover erosion rate	15	-0.04	19	-0.04	17	0.04	23	0.01
Thickness of Unsaturated zone 2	11	-0.06	15	-0.06	36	0.01	36	0.00
Density of Unsaturated zone 2	8	0.07	11	0.06	16	-0.04	22	-0.01
Hydraulic Conductivity of Unsaturated zone 2	14	-0.05	18	-0.05	12	-0.05	19	-0.01
Outdoor time fraction	35	0.01	35	0.01	3	0.25	3	0.06
Kd of Th-230 in Contaminated Zone	17	-0.04	3	-0.16	14	0.04	7	0.03
Kd of Th-230 in Unsaturated Zone 1	41	0.00	36	-0.01	32	0.02	32	0.01
Kd of Th-230 in Unsaturated Zone 2	23	-0.03	27	-0.03	40	0.01	38	0.00
Kd of Th-230 in Saturated Zone	42	0.00	42	0.00	31	0.02	30	0.01
Aquatic food	12	-0.06	16	-0.06	29	0.03	33	0.01
R-SQUARE		0.12		0.12		0.96		0.96

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	26	0.03	31	0.03	10	-0.10	11	-0.02
Density of Unsaturted zone 1	19	0.05	23	0.04	15	-0.07	16	-0.02
Depth of roots	12	-0.06	18	-0.05	39	-0.01	39	0.00
Hydraulic Conductivity of Unsaturted zone 1	28	-0.03	22	-0.05	20	0.03	19	0.01
Saturated zone hydraulic conductivity	25	-0.04	29	-0.03	19	-0.03	25	-0.01
Thickness of Unsaturted zone 1	9	0.08	9	0.10	25	-0.02	23	-0.01
Contaminated zone b parameter	11	-0.06	17	-0.06	14	-0.07	15	-0.02
Saturated zone b parameter	39	-0.02	39	-0.02	29	0.02	33	0.00
Contaminated zone erosion rate	31	0.03	33	0.03	37	0.01	37	0.00
Contaminated zone hydraulic conductivity	34	0.03	27	0.04	24	0.02	22	0.01
Evapotranspiration coefficient	6	0.09	12	0.09	38	0.01	38	0.00
Runoff coefficient	35	0.02	35	0.02	17	-0.07	18	-0.02
Saturated zone hydraulic gradient	37	-0.02	37	-0.02	7	-0.12	9	-0.03
Weathering removal constant of all vegetation	30	0.03	32	0.03	27	-0.02	31	0.00
Wind Speed	16	-0.05	20	-0.05	26	0.02	30	0.01
Mass loading for inhalation	20	0.04	24	0.04	34	-0.01	35	0.00
Depth of soil mixing layer	8	-0.08	15	-0.08	11	-0.10	12	-0.02
Density of contaminated zone	7	-0.09	13	-0.08	16	-0.07	17	-0.02
Inhalation rate	40	0.01	40	0.01	23	-0.03	27	-0.01
Soil ingestion	5	-0.10	11	-0.09	18	-0.05	20	-0.01
Kd of Th-230 in Contaminated Zone	18	0.05	3	0.18	5	0.13	4	0.11
Kd of Th-230 in Unsaturated Zone 1	27	-0.03	30	-0.03	32	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 2	33	-0.03	10	-0.10	36	0.01	34	0.00
Kd of Th-230 in Saturated Zone	32	-0.03	34	-0.03	42	0.00	42	0.00
Kd of Th-228 in Contaminated Zone	15	-0.05	1	-0.28	6	-0.13	3	-0.16
Kd of Th-228 in Unsaturated Zone 1	21	0.04	5	0.16	33	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 2	22	-0.04	25	-0.04	12	0.09	8	0.03
Kd of Th-228 in Saturated Zone	13	-0.06	14	-0.08	31	0.01	14	0.02
Area of contaminated zone	17	-0.05	21	-0.05	4	-0.15	7	-0.03
Thickness of contaminated zone	4	0.10	6	0.14	40	0.00	40	0.00
Cover depth	1	-0.26	2	-0.25	1	-0.96	1	-0.81
Density of cover material	2	-0.18	4	-0.17	2	-0.93	2	-0.55
Cover erosion rate	41	-0.01	41	-0.01	13	0.08	13	0.02
Thickness of Unsaturated zone 2	24	-0.04	28	-0.03	35	-0.01	36	0.00
Density of Unsaturated zone 2	3	0.12	7	0.12	41	0.00	41	0.00
Hydraulic Conductivity of Unsaturated zone 2	14	-0.06	19	-0.05	22	0.03	26	0.01
Outdoor time fraction	36	0.02	36	0.02	3	0.27	6	0.06
Kd of Th-230 in Contaminated Zone	29	0.03	8	0.11	8	0.11	5	0.09
Kd of Th-230 in Unsaturated Zone 1	38	-0.02	38	-0.02	30	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	23	-0.04	26	-0.04	28	0.02	24	0.01
Kd of Th-230 in Saturated Zone	42	0.01	42	0.01	21	0.03	21	0.01
Aquatic food	10	-0.06	16	-0.06	9	0.11	10	0.02
R-SQUARE		0.17		0.17		0.95		0.95

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

Coefficients for peak Ra-226 Dose

	PCC		SRC		PRCC		SRRC	
Coefficient =								
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	40	0.00	40	0.00	21	-0.06	23	-0.01
Density of Unsaturted zone 1	23	0.03	24	0.03	31	0.04	32	0.01
Depth of roots	10	-0.06	15	-0.06	33	-0.04	35	-0.01
Hydraulic Conductivity of Unsaturted zone 1	18	0.04	17	0.05	11	0.09	9	0.03
Saturated zone hydraulic conductivity	34	-0.01	35	-0.01	32	-0.04	33	-0.01
Thickness of Unsaturted zone 1	8	-0.08	8	-0.11	35	0.03	34	0.01
Contaminated zone b parameter	25	0.03	25	0.02	38	0.01	38	0.00
Saturated zone b parameter	14	-0.05	20	-0.04	6	0.10	15	0.02
Contaminated zone erosion rate	29	-0.02	29	-0.02	8	-0.09	16	-0.02
Contaminated zone hydraulic conductivity	20	-0.03	19	-0.05	7	-0.10	8	-0.03
Evapotranspiration coefficient	15	-0.04	21	-0.04	25	0.05	28	0.01
Runoff coefficient	4	0.11	9	0.10	5	-0.10	14	-0.02
Saturated zone hydraulic gradient	39	0.00	39	0.00	13	-0.08	19	-0.01
Weathering removal constant of all vegetation	41	0.00	41	0.00	27	0.04	29	0.01
Wind Speed	11	-0.06	16	-0.05	24	0.05	27	0.01
Mass loading for inhalation	37	0.01	37	0.01	14	-0.07	20	-0.01
Depth of soil mixing layer	12	-0.05	18	-0.05	41	0.00	41	0.00
Density of contaminated zone	33	0.01	34	0.01	30	-0.04	31	-0.01
Inhalation rate	9	-0.06	13	-0.06	29	-0.04	30	-0.01
Soil ingestion	7	-0.09	11	-0.09	42	0.00	42	0.00
Kd of Th-230 in Contaminated Zone	22	0.03	7	0.12	20	0.06	6	0.04
Kd of Th-230 in Unsaturated Zone 1	42	0.00	42	0.00	16	0.07	13	0.02
Kd of Th-230 in Unsaturated Zone 2	30	-0.02	32	-0.02	10	0.09	10	0.03
Kd of Th-230 in Saturated Zone	32	-0.02	31	-0.02	28	0.04	22	0.01
Kd of Th-228 in Contaminated Zone	21	-0.03	2	-0.19	19	-0.06	4	-0.06
Kd of Th-228 in Unsaturated Zone 1	26	-0.02	26	-0.02	18	0.06	17	0.02
Kd of Th-228 in Unsaturated Zone 2	16	-0.04	14	-0.06	40	0.00	39	0.00
Kd of Th-228 in Saturated Zone	35	0.01	30	0.02	15	-0.07	3	-0.07
Area of contaminated zone	28	-0.02	28	-0.02	17	0.06	21	0.01
Thickness of contaminated zone	6	-0.10	5	-0.13	34	0.03	25	0.01
Cover depth	1	-0.20	1	-0.20	1	-0.97	1	-0.81
Density of cover material	2	-0.15	4	-0.14	2	-0.94	2	-0.53
Cover erosion rate	31	-0.02	33	-0.02	22	-0.05	24	-0.01
Thickness of Unsaturated zone 2	17	-0.04	22	-0.03	39	-0.01	40	0.00
Density of Unsaturated zone 2	5	0.10	10	0.10	23	-0.05	26	-0.01
Hydraulic Conductivity of Unsaturated zone 2	27	-0.02	27	-0.02	12	-0.08	18	-0.02
Outdoor time fraction	3	0.12	6	0.12	3	0.25	5	0.05
Kd of Th-230 in Contaminated Zone	19	0.04	3	0.15	26	0.05	7	0.03
Kd of Th-230 in Unsaturated Zone 1	13	0.05	12	0.07	36	0.02	36	0.01
Kd of Th-230 in Unsaturated Zone 2	36	-0.01	36	-0.01	37	-0.02	37	-0.01
Kd of Th-230 in Saturated Zone	24	-0.03	23	-0.03	9	0.09	11	0.03
Aquatic food	38	-0.01	38	-0.01	4	0.11	12	0.02
R-SQUARE		0.14		0.14		0.96		0.96

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	19	-0.03	25	-0.03	11	-0.10	19	-0.02
Density of Unsaturted zone 1	17	-0.04	20	-0.04	10	0.10	17	0.02
Depth of roots	22	-0.03	27	-0.03	36	-0.02	38	0.00
Hydraulic Conductivity of Unsaturted zone 1	26	0.02	22	0.03	39	-0.01	36	0.00
Saturated zone hydraulic conductivity	35	0.01	35	0.01	32	-0.03	32	-0.01
Thickness of Unsaturted zone 1	24	0.03	24	0.03	31	-0.03	25	-0.01
Contaminated zone b parameter	33	0.02	33	0.02	23	-0.05	26	-0.01
Saturated zone b parameter	5	-0.13	5	-0.12	30	-0.04	31	-0.01
Contaminated zone erosion rate	13	-0.05	16	-0.05	33	0.03	33	0.01
Contaminated zone hydraulic conductivity	9	-0.07	8	-0.10	17	0.08	14	0.03
Evapotranspiration coefficient	15	-0.04	19	-0.04	27	0.04	29	0.01
Runoff coefficient	6	0.11	6	0.10	9	0.10	16	0.02
Saturated zone hydraulic gradient	3	0.17	3	0.17	19	-0.08	22	-0.02
Weathering removal constant of all vegetation	8	-0.08	12	-0.07	24	0.05	27	0.01
Wind Speed	34	0.01	34	0.01	20	-0.07	23	-0.02
Mass loading for inhalation	10	-0.07	13	-0.07	40	-0.01	40	0.00
Depth of soil mixing layer	7	-0.10	9	-0.09	34	0.02	35	0.01
Density of contaminated zone	25	-0.03	29	-0.02	38	-0.01	39	0.00
Inhalation rate	18	0.04	21	0.04	6	-0.15	12	-0.03
Soil ingestion	39	0.00	39	0.00	41	0.01	41	0.00
Kd of Th-230 in Contaminated Zone	30	-0.02	11	-0.07	21	-0.07	6	-0.06
Kd of Th-230 in Unsaturated Zone 1	16	-0.04	18	-0.04	37	-0.02	34	-0.01
Kd of Th-230 in Unsaturated Zone 2	29	0.02	32	0.02	29	-0.04	24	-0.01
Kd of Th-230 in Saturated Zone	40	0.00	40	0.00	13	-0.09	11	-0.03
Kd of Th-228 in Contaminated Zone	31	0.02	7	0.10	7	0.11	3	0.15
Kd of Th-228 in Unsaturated Zone 1	36	-0.01	36	-0.01	12	-0.09	10	-0.03
Kd of Th-228 in Unsaturated Zone 2	20	0.03	23	0.03	25	-0.05	21	-0.02
Kd of Th-228 in Saturated Zone	23	-0.03	28	-0.03	18	0.08	5	0.09
Area of contaminated zone	14	-0.05	17	-0.05	26	0.04	28	0.01
Thickness of contaminated zone	12	0.06	10	0.07	42	0.00	42	0.00
Cover depth	1	-0.19	1	-0.18	1	-0.97	1	-0.83
Density of cover material	2	-0.19	2	-0.18	2	-0.92	2	-0.51
Cover erosion rate	21	-0.03	26	-0.03	5	0.16	9	0.03
Thickness of Unsaturated zone 2	11	0.06	15	0.06	28	-0.04	30	-0.01
Density of Unsaturated zone 2	27	0.02	31	0.02	14	0.09	20	0.02
Hydraulic Conductivity of Unsaturated zone 2	42	0.00	42	0.00	4	0.19	8	0.04
Outdoor time fraction	4	0.16	4	0.15	3	0.24	7	0.05
Kd of Th-230 in Contaminated Zone	32	-0.02	14	-0.06	8	-0.10	4	-0.09
Kd of Th-230 in Unsaturated Zone 1	37	-0.01	37	-0.01	16	-0.08	15	-0.03
Kd of Th-230 in Unsaturated Zone 2	28	-0.02	30	-0.02	15	-0.08	13	-0.03
Kd of Th-230 in Saturated Zone	41	0.00	41	0.00	22	-0.06	18	-0.02
Aquatic food	38	0.00	38	0.00	35	-0.02	37	0.00
R-SQUARE		0.16		0.16		0.96		0.96

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	9	-0.06	14	-0.05	20	0.06	23	0.01
Density of Unsaturted zone 1	16	0.04	19	0.04	22	0.06	25	0.01
Depth of roots	19	-0.04	21	-0.04	14	-0.08	20	-0.02
Hydraulic Conductivity of Unsaturted zone 1	7	-0.09	5	-0.13	16	-0.07	12	-0.02
Saturated zone hydraulic conductivity	38	-0.01	38	-0.01	12	0.08	19	0.02
Thickness of Unsaturted zone 1	15	-0.04	13	-0.06	32	0.03	29	0.01
Contaminated zone b parameter	27	-0.02	29	-0.02	34	-0.01	36	0.00
Saturated zone b parameter	18	-0.04	20	-0.04	5	0.20	7	0.04
Contaminated zone erosion rate	20	-0.03	23	-0.03	9	0.10	15	0.02
Contaminated zone hydraulic conductivity	3	0.11	3	0.16	18	0.06	16	0.02
Evapotranspiration coefficient	5	0.09	7	0.09	29	-0.03	30	-0.01
Runoff coefficient	25	0.03	27	0.03	40	0.00	40	0.00
Saturated zone hydraulic gradient	23	0.03	25	0.03	31	0.03	33	0.01
Weathering removal constant of all vegetation	6	0.09	8	0.09	7	0.10	14	0.02
Wind Speed	4	-0.10	6	-0.09	25	-0.05	27	-0.01
Mass loading for inhalation	26	0.03	28	0.02	41	0.00	41	0.00
Depth of soil mixing layer	40	0.00	40	0.00	37	-0.01	39	0.00
Density of contaminated zone	29	-0.02	30	-0.02	3	-0.20	6	-0.04
Inhalation rate	36	-0.01	36	-0.01	33	-0.02	34	0.00
Soil ingestion	22	-0.03	24	-0.03	10	0.10	18	0.02
Kd of Th-230 in Contaminated Zone	14	-0.05	2	-0.16	26	0.05	8	0.03
Kd of Th-230 in Unsaturated Zone 1	35	0.01	35	0.01	24	0.05	21	0.01
Kd of Th-230 in Unsaturated Zone 2	21	-0.03	22	-0.03	13	0.08	11	0.02
Kd of Th-230 in Saturated Zone	17	-0.04	18	-0.04	11	0.09	10	0.03
Kd of Th-228 in Contaminated Zone	33	0.01	10	0.07	39	-0.01	32	-0.01
Kd of Th-228 in Unsaturated Zone 1	24	-0.03	26	-0.03	15	0.07	13	0.02
Kd of Th-228 in Unsaturated Zone 2	34	-0.01	34	-0.01	8	0.10	9	0.03
Kd of Th-228 in Saturated Zone	30	-0.02	31	-0.02	23	-0.05	3	-0.05
Area of contaminated zone	8	0.07	11	0.06	30	0.03	31	0.01
Thickness of contaminated zone	11	-0.05	12	-0.06	28	-0.04	26	-0.01
Cover depth	1	-0.25	1	-0.24	1	-0.97	1	-0.81
Density of cover material	2	-0.15	4	-0.15	2	-0.94	2	-0.55
Cover erosion rate	41	0.00	41	0.00	42	0.00	42	0.00
Thickness of Unsaturated zone 2	42	0.00	42	0.00	27	-0.04	28	-0.01
Density of Unsaturated zone 2	12	0.05	17	0.05	21	0.06	24	0.01
Hydraulic Conductivity of Unsaturated zone 2	31	-0.02	32	-0.02	19	0.06	22	0.01
Outdoor time fraction	37	0.01	37	0.01	4	0.20	5	0.04
Kd of Th-230 in Contaminated Zone	28	-0.02	9	-0.08	38	0.01	35	0.00
Kd of Th-230 in Unsaturated Zone 1	39	0.00	39	0.00	17	-0.07	17	-0.02
Kd of Th-230 in Unsaturated Zone 2	32	0.02	33	0.02	36	0.01	37	0.00
Kd of Th-230 in Saturated Zone	13	-0.05	16	-0.05	6	0.15	4	0.04
Aquatic food	10	0.05	15	0.05	35	-0.01	38	0.00
R-SQUARE		0.15		0.15		0.96		0.96

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

Coefficients for peak Ra-226 Dose

	PCC		SRC		PRCC		SRRC	
Coefficient =								
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	19	0.04	23	0.03	37	-0.01	39	0.00
Density of Unsaturted zone 1	38	0.01	39	0.01	35	-0.01	35	0.00
Depth of roots	40	0.00	41	0.00	22	-0.04	27	-0.01
Hydraulic Conductivity of Unsaturted zone 1	6	-0.07	4	-0.11	9	-0.07	10	-0.02
Saturated zone hydraulic conductivity	36	-0.01	37	-0.01	24	0.04	29	0.01
Thickness of Unsaturted zone 1	24	-0.02	24	-0.03	6	0.12	6	0.04
Contaminated zone b parameter	4	0.08	8	0.08	13	-0.05	20	-0.01
Saturated zone b parameter	22	-0.03	26	-0.03	10	-0.06	14	-0.01
Contaminated zone erosion rate	18	0.04	21	0.04	23	-0.04	28	-0.01
Contaminated zone hydraulic conductivity	13	0.05	7	0.08	27	0.03	18	0.01
Evapotranspiration coefficient	16	0.04	20	0.04	11	0.05	15	0.01
Runoff coefficient	5	0.07	9	0.07	15	-0.04	21	-0.01
Saturated zone hydraulic gradient	9	-0.06	12	-0.06	42	0.00	42	0.00
Weathering removal constant of all vegetation	21	-0.03	25	-0.03	38	-0.01	40	0.00
Wind Speed	25	-0.02	29	-0.02	34	-0.02	34	0.00
Mass loading for inhalation	10	0.06	14	0.06	8	0.07	13	0.01
Depth of soil mixing layer	31	0.01	32	0.01	19	0.04	24	0.01
Density of contaminated zone	7	0.07	10	0.06	28	0.03	31	0.01
Inhalation rate	3	-0.10	6	-0.09	20	-0.04	26	-0.01
Soil ingestion	39	0.00	40	0.00	5	0.13	9	0.03
Kd of Th-230 in Contaminated Zone	33	-0.01	17	-0.05	21	0.04	8	0.03
Kd of Th-230 in Unsaturated Zone 1	37	0.01	38	0.01	30	-0.02	25	-0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	30	-0.02	25	-0.03	17	-0.01
Kd of Th-230 in Saturated Zone	30	0.01	31	0.01	41	0.00	41	0.00
Kd of Th-228 in Contaminated Zone	29	0.02	5	0.10	18	-0.04	4	-0.05
Kd of Th-228 in Unsaturated Zone 1	20	-0.03	22	-0.04	26	-0.03	16	-0.01
Kd of Th-228 in Unsaturated Zone 2	32	0.01	33	0.01	39	-0.01	37	0.00
Kd of Th-228 in Saturated Zone	28	0.02	13	0.06	33	0.02	12	0.02
Area of contaminated zone	34	-0.01	34	-0.01	7	0.09	11	0.02
Thickness of contaminated zone	26	-0.02	28	-0.03	4	0.13	5	0.04
Cover depth	1	-0.18	1	-0.18	1	-0.97	1	-0.82
Density of cover material	2	-0.17	2	-0.17	2	-0.93	2	-0.54
Cover erosion rate	15	-0.04	19	-0.04	17	0.04	23	0.01
Thickness of Unsaturated zone 2	11	-0.06	15	-0.06	36	0.01	36	0.00
Density of Unsaturated zone 2	8	0.07	11	0.06	16	-0.04	22	-0.01
Hydraulic Conductivity of Unsaturated zone 2	14	-0.05	18	-0.05	12	-0.05	19	-0.01
Outdoor time fraction	35	0.01	35	0.01	3	0.25	3	0.06
Kd of Th-230 in Contaminated Zone	17	-0.04	3	-0.16	14	0.04	7	0.03
Kd of Th-230 in Unsaturated Zone 1	41	0.00	36	-0.01	32	0.02	32	0.01
Kd of Th-230 in Unsaturated Zone 2	23	-0.03	27	-0.03	40	0.01	38	0.00
Kd of Th-230 in Saturated Zone	42	0.00	42	0.00	31	0.02	30	0.01
Aquatic food	12	-0.06	16	-0.06	29	0.03	33	0.01
R-SQUARE		0.12		0.12		0.96		0.96

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

Coefficients for peak Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-228 Dose

	PCC		SRC		PRCC		SRRC	
Coefficient =								
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Density of saturated zone	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone b parameter	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Contaminated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic gradient	0	0.00	0	0.00	0	0.00	0	0.00
Weathering removal constant of all vegetation	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
Mass loading for inhalation	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
Density of contaminated zone	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 Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated 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
Cover depth	0	0.00	0	0.00	0	0.00	0	0.00
Density of cover material	0	0.00	0	0.00	0	0.00	0	0.00
Cover erosion rate	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Density of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	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
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
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.