

**DECOMMISSIONING PLAN
TOBICO MARCH SGA
KAWKAWLIN, MICHIGAN**

APPENDIX G

**RESRAD Computer Dose Modeling Output Files/Reports –
Recreational Fisher Scenario, Surface Soil Source Term**

JANUARY 2004



Appendix G - Fisher Scenario

Surface Soil Source Term

RESRAD 6.21 Output File Reports

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Time= 1.000E+02	19
Time= 3.000E+02	22
Time= 1.000E+03	25

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Time= 0.000E+00	2
Time= 1.000E+00	3
Time= 3.000E+00	4
Time= 1.000E+01	5
Time= 3.000E+01	6
Time= 1.000E+02	7
Time= 3.000E+02	8
Time= 1.000E+03	9

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Total Dose Components Summed to Daughter	
Time = 0.000E+00 years	2
Time = 1.000E+00 years	3
Time = 3.000E+00 years	4
Time = 1.000E+01 years	5
Time = 3.000E+01 years	6
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Dose Conversion Factor (and Related) Parameter Summary
 File: FGR 13 Morbidity

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				
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				
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				
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				
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(5,1)
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(5,2)
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(5,3)
D-34				
D-34	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				
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				
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)

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				
D-5	Th-230 , fish	1.000E+02	1.000E+02	BIOFAC(5,1)
D-5	Th-230 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(5,2)
D-5				
D-5	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)

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Site-Specific Parameter Summary						
0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011		Area of contaminated zone (m**2)	5.730E+03	1.000E+04	---	AREA
R011		Thickness of contaminated zone (m)	7.000E-03	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	1.640E+01	0.000E+00	---	S1(1)
R012		Initial principal radionuclide (pCi/g): Ra-226	3.610E+01	0.000E+00	---	S1(2)
R012		Initial principal radionuclide (pCi/g): Ra-228	5.281E+02	0.000E+00	---	S1(3)
R012		Initial principal radionuclide (pCi/g): Th-228	5.281E+02	0.000E+00	---	S1(4)
R012		Initial principal radionuclide (pCi/g): Th-230	1.640E+03	0.000E+00	---	S1(5)
R012		Initial principal radionuclide (pCi/g): Th-232	5.281E+02	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)	0.000E+00	0.000E+00	---	COVER0
R013		Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013		Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013		Density of contaminated zone (g/cm**3)	1.970E+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)	1.000E+01	1.000E+01	---	HCCZ
R013		Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013		Average annual wind speed (m/sec)	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

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R014		Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
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	3	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)	1.970E+00	1.500E+00	---	DENSUZ (1)
R015		Unsat. zone 1, total porosity	4.000E-01	4.000E-01	---	TPUZ (1)
R015		Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ (1)
R015		Unsat. zone 1, field capacity	2.000E-01	2.000E-01	---	FCUZ (1)
R015		Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (1)
R015		Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ (1)
R015		Unsat. zone 2, thickness (m)	4.000E+00	0.000E+00	---	H (2)
R015		Unsat. zone 2, soil density (g/cm**3)	1.650E+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)	2.018E+03	1.000E+01	---	HCUZ (2)
R015		Unsat. zone 3, thickness (m)	1.830E+01	0.000E+00	---	H (3)
R015		Unsat. zone 3, soil density (g/cm**3)	1.970E+00	1.500E+00	---	DENSUZ (3)
R015		Unsat. zone 3, total porosity	4.000E-01	4.000E-01	---	TPUZ (3)
R015		Unsat. zone 3, effective porosity	2.000E-01	2.000E-01	---	EPUZ (3)
R015		Unsat. zone 3, field capacity	2.000E-01	2.000E-01	---	FCUZ (3)
R015		Unsat. zone 3, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ (3)
R015		Unsat. zone 3, hydraulic conductivity (m/yr)	1.700E-02	1.000E+01	---	HCUZ (3)
R016		Distribution coefficients for Pb-210				
R016		Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC (1)
R016		Unsat. zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU (1,1)
R016		Unsat. zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU (1,2)
R016		Unsat. zone 3 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU (1,3)
R016		Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS (1)
R016		Leach rate (/yr)	0.000E+00	0.000E+00	1.398E-01	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		Unsat. zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (2,1)
R016		Unsat. zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (2,2)
R016		Unsat. zone 3 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (2,3)
R016		Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS (2)
R016		Leach rate (/yr)	0.000E+00	0.000E+00	1.996E-01	ALEACH (2)

R016	Solubility constant		0.000E+00		0.000E+00		not used		SOLUBK(2)
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Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
	R016	Distribution coefficients for 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	Unsaturated zone 3 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU (3,3)
	R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS (3)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.996E-01	ALEACH (3)
	R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK (3)
	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	Unsaturated zone 3 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (4,3)
	R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS (4)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.334E-04	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	Unsaturated zone 3 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (5,3)
	R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS (5)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.334E-04	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	Unsaturated zone 3 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU (6,3)
	R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS (6)
	R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.334E-04	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

Site-Specific Parameter Summary (continued)

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

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R019		Mass loading for foliar deposition (g/m**3)	not used	1.000E-04	---	MLFD
R019		Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019		Depth of roots (m)	not used	9.000E-01	---	DROOT
R019		Drinking water fraction from ground water	not used	1.000E+00	---	FGWDW
R019		Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019		Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
R019		Irrigation fraction from ground water	not used	1.000E+00	---	FGWIR
R19B		Wet weight crop yield for Non-Leafy (kg/m**2)	not used	7.000E-01	---	YV(1)
R19B		Wet weight crop yield for Leafy (kg/m**2)	not used	1.500E+00	---	YV(2)
R19B		Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
R19B		Growing Season for Non-Leafy (years)	not used	1.700E-01	---	TE(1)
R19B		Growing Season for Leafy (years)	not used	2.500E-01	---	TE(2)
R19B		Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)
R19B		Translocation Factor for Non-Leafy	not used	1.000E-01	---	TIV(1)
R19B		Translocation Factor for Leafy	not used	1.000E+00	---	TIV(2)
R19B		Translocation Factor for Fodder	not used	1.000E+00	---	TIV(3)
R19B		Dry Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RDRY(1)
R19B		Dry Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RDRY(2)
R19B		Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY(3)
R19B		Wet Foliar Interception Fraction for Non-Leafy	not used	2.500E-01	---	RWET(1)
R19B		Wet Foliar Interception Fraction for Leafy	not used	2.500E-01	---	RWET(2)
R19B		Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET(3)
R19B		Weathering Removal Constant for Vegetation	not used	2.000E+01	---	WLAM
C14		C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14		C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14		Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14		Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14		C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14		C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14		C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14		Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14		Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
C14		DCF correction factor for gaseous forms of C14	not used	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

Site-Specific Parameter Summary (continued)

0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R021		Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021		Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021		Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021		Diffusion coefficient for radon gas (m/sec):				
R021		in cover material	not used	2.000E-06	---	DIFCV
R021		in foundation material	not used	3.000E-07	---	DIFFL
R021		in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021		Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIK
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
TITL		Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

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

Contaminated Zone Dimensions

Area: 5730.00 square meters
 Thickness: 0.01 meters
 Cover Depth: 0.00 meters

Initial Soil Concentrations, pCi/g

Pb-210 1.640E+01
 Ra-226 3.610E+01
 Ra-228 5.281E+02
 Th-228 5.281E+02
 Th-230 1.640E+03
 Th-232 5.281E+02

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):	3.360E+01	3.044E+01	2.466E+01	1.498E+01	1.278E+01	1.226E+01	1.086E+01	6.389E+00
M(t):	1.344E+00	1.217E+00	9.865E-01	5.992E-01	5.110E-01	4.903E-01	4.344E-01	2.556E-01

0Maximum TDOSE(t): 3.360E+01 mrem/yr at t = 0.000E+00 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)

As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

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	1.037E-03	0.0000	6.317E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.667E-03	0.0001
Ra-226	1.470E+00	0.0438	5.290E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.147E-03	0.0000
Ra-228	1.417E+01	0.4218	5.178E-03	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.734E-02	0.0005
Th-228	1.671E+01	0.4973	2.760E-02	0.0008	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.709E-03	0.0003
Th-230	3.258E-02	0.0010	9.655E-02	0.0029	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.188E-02	0.0007
Th-232	8.421E-01	0.0251	1.566E-01	0.0047	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.615E-02	0.0011
===== Total	3.323E+01	0.9889	2.861E-01	0.0085	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.789E-02	0.0026

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	3.767E-03	0.0001
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	1.472E+00	0.0438
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	1.420E+01	0.4225
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	1.674E+01	0.4983
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	1.510E-01	0.0045
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	1.035E+00	0.0308
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.360E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years
 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	8.738E-04	0.0000	5.322E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.247E-03	0.0001
Ra-226	1.203E+00	0.0395	4.688E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.090E-03	0.0000
Ra-228	1.459E+01	0.4793	1.086E-02	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.482E-02	0.0005
Th-228	1.162E+01	0.3819	1.920E-02	0.0006	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.058E-03	0.0002
Th-230	5.878E-02	0.0019	9.649E-02	0.0032	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.189E-02	0.0007
Th-232	2.594E+00	0.0852	1.575E-01	0.0052	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.806E-02	0.0013
===== Total	3.007E+01	0.9879	2.842E-01	0.0093	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.417E-02	0.0028

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	3.174E-03	0.0001
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	1.205E+00	0.0396
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	1.461E+01	0.4801
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	1.165E+01	0.3827
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	1.771E-01	0.0058
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	2.790E+00	0.0917
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.044E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years
 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	6.206E-04	0.0000	3.778E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.595E-03	0.0001
Ra-226	8.061E-01	0.0327	3.641E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.419E-04	0.0000
Ra-228	1.194E+01	0.4840	1.275E-02	0.0005	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.002E-02	0.0004
Th-228	5.625E+00	0.2281	9.290E-03	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.931E-03	0.0001
Th-230	9.772E-02	0.0040	9.636E-02	0.0039	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.190E-02	0.0009
Th-232	5.839E+00	0.2367	1.603E-01	0.0065	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.099E-02	0.0017
===== Total	2.431E+01	0.9855	2.788E-01	0.0113	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.838E-02	0.0032

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	2.253E-03	0.0001
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	8.071E-01	0.0327
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	1.196E+01	0.4850
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	5.637E+00	0.2286
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	2.160E-01	0.0088
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	6.040E+00	0.2449
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.466E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years
 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	1.873E-04	0.0000	1.139E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.807E-04	0.0000
Ra-226	1.983E-01	0.0132	1.388E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.397E-04	0.0000
Ra-228	2.576E+00	0.1720	3.513E-03	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.745E-03	0.0001
Th-228	4.435E-01	0.0296	7.320E-04	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.310E-04	0.0000
Th-230	1.569E-01	0.0105	9.591E-02	0.0064	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.189E-02	0.0015
Th-232	1.127E+01	0.7523	1.663E-01	0.0111	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.491E-02	0.0030
===== Total	1.464E+01	0.9776	2.664E-01	0.0178	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.970E-02	0.0047

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
 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	6.794E-04	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	1.988E-01	0.0133
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	2.581E+00	0.1723
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	4.445E-01	0.0297
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	2.747E-01	0.0183
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	1.148E+01	0.7664
===== 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	1.498E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	6.115E-06	0.0000	3.699E-07	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.562E-05	0.0000
Ra-226	3.610E-03	0.0003	6.353E-07	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.417E-05	0.0000
Ra-228	7.800E-03	0.0006	1.164E-05	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.717E-06	0.0000
Th-228	3.125E-04	0.0000	5.149E-07	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.625E-07	0.0000
Th-230	1.741E-01	0.0136	9.463E-02	0.0074	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.165E-02	0.0017
Th-232	1.226E+01	0.9599	1.656E-01	0.0130	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.505E-02	0.0035
===== Total	1.245E+01	0.9744	2.603E-01	0.0204	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.675E-02	0.0052

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	2.210E-05	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	3.635E-03	0.0003
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	7.817E-03	0.0006
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	3.132E-04	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	2.904E-01	0.0227
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+01	0.9763
===== 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	1.278E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 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	3.841E-11	0.0000	2.284E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.645E-11	0.0000
Ra-226	2.996E-09	0.0000	5.175E-12	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.164E-10	0.0000
Ra-228	1.863E-12	0.0000	2.832E-15	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.081E-15	0.0000
Th-228	2.902E-15	0.0000	4.749E-18	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.498E-18	0.0000
Th-230	1.675E-01	0.0137	9.021E-02	0.0074	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.064E-02	0.0017
Th-232	1.178E+01	0.9609	1.580E-01	0.0129	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.298E-02	0.0035
===== Total	1.195E+01	0.9746	2.482E-01	0.0203	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.362E-02	0.0052

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	1.371E-10	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.217E-09	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	1.867E-12	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	2.908E-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	2.784E-01	0.0227
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	1.198E+01	0.9773
===== 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	1.226E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years
 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	5.251E-26	0.0000	2.969E-27	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.254E-25	0.0000
Ra-226	1.346E-25	0.0000	6.968E-27	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.942E-25	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	1.486E-01	0.0137	7.824E-02	0.0072	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.790E-02	0.0016
Th-232	1.044E+01	0.9614	1.373E-01	0.0126	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.734E-02	0.0034
===== Total	1.059E+01	0.9751	2.155E-01	0.0198	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.525E-02	0.0051

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	1.808E-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	4.357E-25	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	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.447E-01	0.0225
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	1.061E+01	0.9775
===== 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	1.086E+01	1.0000

0*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As mrem/yr and Fraction of Total Dose At t = 1.000E+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	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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	8.805E-02	0.0138	4.329E-02	0.0068	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.907E-03	0.0016
Th-232	6.151E+00	0.9627	7.645E-02	0.0120	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.079E-02	0.0033
===== Total	6.239E+00	0.9765	1.197E-01	0.0187	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.070E-02	0.0048

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	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	0.000E+00	0.0000	0.000E+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-01	0.0221
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	6.248E+00	0.9779
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.389E+00	1.0000

0*Sum of all water independent and dependent pathways.

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

Parent (i)	Product (j)	Branch Fraction*	DSR(j,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	2.297E-04	1.935E-04	1.374E-04	4.143E-05	1.348E-06	8.362E-12	1.103E-26	0.000E+00
ORa-226	Ra-226	1.000E+00	4.076E-02	3.336E-02	2.234E-02	5.495E-03	9.984E-05	8.068E-11	3.145E-28	0.000E+00
Ra-226	Pb-210	1.000E+00	3.435E-06	8.740E-06	1.415E-05	1.163E-05	8.461E-07	8.440E-12	1.176E-26	0.000E+00
Ra-226	\$DSR(j)		4.076E-02	3.337E-02	2.236E-02	5.506E-03	1.007E-04	8.912E-11	1.207E-26	0.000E+00
ORa-228	Ra-228	1.000E+00	2.141E-02	1.554E-02	8.184E-03	8.682E-04	1.428E-06	2.574E-16	3.643E-44	0.000E+00
Ra-228	Th-228	1.000E+00	5.472E-03	1.213E-02	1.446E-02	4.019E-03	1.337E-05	3.278E-15	4.792E-43	0.000E+00
Ra-228	\$DSR(j)		2.688E-02	2.767E-02	2.265E-02	4.888E-03	1.480E-05	3.535E-15	5.157E-43	0.000E+00
0Th-228	Th-228	1.000E+00	3.171E-02	2.206E-02	1.067E-02	8.417E-04	5.931E-07	5.506E-18	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	8.295E-05	8.290E-05	8.279E-05	8.242E-05	8.136E-05	7.770E-05	6.778E-05	3.841E-05
Th-230	Ra-226	1.000E+00	9.122E-06	2.511E-05	4.888E-05	8.502E-05	9.560E-05	9.196E-05	8.138E-05	4.767E-05
Th-230	Pb-210	1.000E+00	5.115E-10	3.227E-09	1.354E-08	5.648E-08	9.450E-08	9.278E-08	8.164E-08	4.809E-08
Th-230	\$DSR(j)		9.208E-05	1.080E-04	1.317E-04	1.675E-04	1.770E-04	1.697E-04	1.492E-04	8.612E-05
0Th-232	Th-232	1.000E+00	3.681E-04	3.679E-04	3.674E-04	3.657E-04	3.609E-04	3.444E-04	2.995E-04	1.674E-04
Th-232	Ra-228	1.000E+00	1.359E-03	3.565E-03	6.325E-03	9.044E-03	9.264E-03	8.898E-03	7.889E-03	4.658E-03
Th-232	Th-228	1.000E+00	2.326E-04	1.350E-03	4.745E-03	1.233E-02	1.399E-02	1.344E-02	1.191E-02	7.005E-03
Th-232	\$DSR(j)		1.960E-03	5.283E-03	1.144E-02	2.174E-02	2.362E-02	2.268E-02	2.010E-02	1.183E-02

*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

ONuclide (i)	t=							
	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	1.088E+05	1.292E+05	1.819E+05	6.035E+05	1.855E+07	2.990E+12	*7.631E+13	*7.631E+13
Ra-226	6.133E+02	7.492E+02	1.118E+03	4.540E+03	2.483E+05	2.805E+11	*9.882E+11	*9.882E+11
Ra-228	9.301E+02	9.034E+02	1.104E+03	5.115E+03	1.689E+06	*2.726E+14	*2.726E+14	*2.726E+14
Th-228	7.885E+02	1.133E+03	2.342E+03	2.970E+04	4.215E+07	*8.192E+14	*8.192E+14	*8.192E+14
Th-230	2.715E+05	2.314E+05	1.898E+05	1.493E+05	1.412E+05	1.473E+05	1.675E+05	2.903E+05
Th-232	1.276E+04	4.732E+03	2.186E+03	1.150E+03	1.058E+03	1.102E+03	1.244E+03	2.113E+03

*At specific activity limit

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

ONuclide	Parent	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
(j)	(i)										
Pb-210	Pb-210	1.000E+00	3.767E-03	3.174E-03	2.253E-03	6.794E-04	2.210E-05	1.371E-10	1.808E-25	0.000E+00	
Pb-210	Ra-226	1.000E+00	1.240E-04	3.155E-04	5.109E-04	4.200E-04	3.054E-05	3.047E-10	4.244E-25	0.000E+00	
Pb-210	Th-230	1.000E+00	8.389E-07	5.292E-06	2.221E-05	9.262E-05	1.550E-04	1.522E-04	1.339E-04	7.887E-05	
Pb-210	\$DOSE(j)		3.892E-03	3.495E-03	2.786E-03	1.192E-03	2.076E-04	1.522E-04	1.339E-04	7.887E-05	
ORa-226	Ra-226	1.000E+00	1.471E+00	1.204E+00	8.066E-01	1.984E-01	3.604E-03	2.913E-09	1.134E-26	0.000E+00	
Ra-226	Th-230	1.000E+00	1.496E-02	4.119E-02	8.017E-02	1.394E-01	1.568E-01	1.508E-01	1.335E-01	7.817E-02	
Ra-226	\$DOSE(j)		1.486E+00	1.245E+00	8.868E-01	3.378E-01	1.604E-01	1.508E-01	1.335E-01	7.817E-02	
ORa-228	Ra-228	1.000E+00	1.131E+01	8.205E+00	4.322E+00	4.585E-01	7.540E-04	1.359E-13	0.000E+00	0.000E+00	
Ra-228	Th-232	1.000E+00	7.176E-01	1.883E+00	3.340E+00	4.776E+00	4.893E+00	4.699E+00	4.166E+00	2.460E+00	
Ra-228	\$DOSE(j)		1.202E+01	1.009E+01	7.662E+00	5.235E+00	4.893E+00	4.699E+00	4.166E+00	2.460E+00	
0Th-228	Ra-228	1.000E+00	2.890E+00	6.408E+00	7.639E+00	2.123E+00	7.063E-03	1.731E-12	0.000E+00	0.000E+00	
Th-228	Th-228	1.000E+00	1.674E+01	1.165E+01	5.637E+00	4.445E-01	3.132E-04	2.908E-15	0.000E+00	0.000E+00	
Th-228	Th-232	1.000E+00	1.229E-01	7.128E-01	2.506E+00	6.510E+00	7.390E+00	7.098E+00	6.290E+00	3.700E+00	
Th-228	\$DOSE(j)		1.976E+01	1.877E+01	1.578E+01	9.078E+00	7.397E+00	7.098E+00	6.290E+00	3.700E+00	
0Th-230	Th-230	1.000E+00	1.360E-01	1.360E-01	1.358E-01	1.352E-01	1.334E-01	1.274E-01	1.112E-01	6.299E-02	
0Th-232	Th-232	1.000E+00	1.944E-01	1.943E-01	1.940E-01	1.931E-01	1.906E-01	1.819E-01	1.581E-01	8.841E-02	

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								
ONuclide	Parent	BRF (i)	S(j,t), pCi/g							
(j)	(i)		t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
Pb-210	Pb-210	1.000E+00	1.640E+01	1.382E+01	9.821E+00	2.969E+00	9.728E-02	6.196E-07	8.846E-22	0.000E+00
Pb-210	Ra-226	1.000E+00	0.000E+00	9.322E-01	1.930E+00	1.762E+00	1.331E-01	1.376E-06	2.076E-21	0.000E+00
Pb-210	Th-230	1.000E+00	0.000E+00	9.766E-03	6.917E-02	3.552E-01	6.259E-01	6.320E-01	6.021E-01	5.082E-01
Pb-210	\$S(j):		1.640E+01	1.477E+01	1.182E+01	5.086E+00	8.563E-01	6.320E-01	6.021E-01	5.082E-01
ORa-226	Ra-226	1.000E+00	3.610E+01	2.955E+01	1.981E+01	4.883E+00	8.932E-02	7.395E-08	3.103E-25	0.000E+00
Ra-226	Th-230	1.000E+00	0.000E+00	6.438E-01	1.602E+00	3.066E+00	3.521E+00	3.470E+00	3.306E+00	2.790E+00
Ra-226	\$S(j):		3.610E+01	3.020E+01	2.141E+01	7.949E+00	3.610E+00	3.470E+00	3.306E+00	2.790E+00
ORa-228	Ra-228	1.000E+00	5.281E+02	3.834E+02	2.021E+02	2.149E+01	3.558E-02	6.571E-12	1.018E-39	0.000E+00
Ra-228	Th-232	1.000E+00	0.000E+00	5.447E+01	1.227E+02	1.904E+02	1.976E+02	1.944E+02	1.855E+02	1.576E+02
Ra-228	\$S(j):		5.281E+02	4.379E+02	3.248E+02	2.119E+02	1.976E+02	1.944E+02	1.855E+02	1.576E+02
0Th-228	Ra-228	1.000E+00	0.000E+00	1.360E+02	2.063E+02	6.346E+01	2.189E-01	5.537E-11	8.699E-39	0.000E+00
Th-228	Th-228	1.000E+00	5.281E+02	3.675E+02	1.780E+02	1.407E+01	9.980E-03	9.493E-14	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	9.215E+00	5.406E+01	1.693E+02	1.975E+02	1.944E+02	1.855E+02	1.576E+02
Th-228	\$S(j):		5.281E+02	5.127E+02	4.383E+02	2.468E+02	1.977E+02	1.944E+02	1.855E+02	1.576E+02
0Th-230	Th-230	1.000E+00	1.640E+03	1.640E+03	1.639E+03	1.636E+03	1.628E+03	1.601E+03	1.525E+03	1.287E+03
0Th-232	Th-232	1.000E+00	5.281E+02	5.280E+02	5.277E+02	5.269E+02	5.244E+02	5.159E+02	4.924E+02	4.182E+02

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

\$ is used to indicate summation; the Greek sigma is not included in this font.

ORESCALC.EXE execution time = 385.15 seconds

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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	1.00000E+00	2.76233E-02		
1	7.52022E-01	2.77560E-02	-2.47978E-01	parabolic
2	6.68745E-01	2.77593E-02	-8.32768E-02	parabolic
3	6.97416E-01	2.77607E-02	2.86706E-02	parabolic
4	6.98267E-01	2.77607E-02	8.51511E-04	parabolic
5	6.98966E-01	2.77607E-02	6.98268E-04	parabolic
6	6.98267E-01	2.77607E-02	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

Pathway: Inhale (excluding Radon)

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

Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	2.21898E+00	2.45032E-05		
1	2.44833E+00	2.45607E-05	2.29352E-01	parabolic
2	2.42747E+00	2.45619E-05	-2.08671E-02	parabolic
3	2.41820E+00	2.45620E-05	-9.26927E-03	parabolic
4	2.41578E+00	2.45620E-05	-8.10476E-04	parabolic
5	2.42062E+00	2.45620E-05	2.41820E-03	parabolic
6	2.41820E+00	2.45620E-05	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	1.00000E+00	2.76719E-02		
1	7.53294E-01	2.78038E-02	-2.46706E-01	parabolic
2	6.70151E-01	2.78071E-02	-8.31426E-02	parabolic
3	6.98655E-01	2.78085E-02	2.85037E-02	parabolic
4	6.99510E-01	2.78085E-02	8.55173E-04	parabolic
5	7.00210E-01	2.78085E-02	6.99510E-04	parabolic
6	7.20486E-01	2.78077E-02	2.02764E-02	golden section
7	7.07954E-01	2.78084E-02	7.74488E-03	golden section
8	7.03168E-01	2.78084E-02	2.95829E-03	golden section
9	7.01340E-01	2.78085E-02	1.12997E-03	golden section
10	7.00210E-01	2.78085E-02	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 Th-230 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	3.00000E+01	1.06148E-04		
1	2.88464E+01	1.06162E-04	-1.15356E+00	parabolic
2	2.80144E+01	1.06163E-04	-8.32014E-01	parabolic
3	2.83097E+01	1.06163E-04	2.95308E-01	parabolic
4	2.83380E+01	1.06163E-04	1.18713E-02	parabolic
5	2.83664E+01	1.06163E-04	2.83380E-02	parabolic
6	2.83380E+01	1.06163E-04	0.00000E+00	direct

Notes:

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

Iteration Log for Computation of the Time of Maximum Th-230 Dose/Source Ratio
 Pathway: Soil

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	4.92388E+00	1.33539E-05		
1	5.43271E+00	1.33540E-05	5.08829E-01	parabolic
2	5.42697E+00	1.33540E-05	-5.73765E-03	parabolic
3	5.42155E+00	1.33540E-05	-5.42697E-03	parabolic
4	5.23146E+00	1.33540E-05	-1.90091E-01	golden section
5	5.34894E+00	1.33540E-05	-7.26082E-02	golden section
6	5.39381E+00	1.33540E-05	-2.77338E-02	golden section
7	5.41039E+00	1.33540E-05	-1.11535E-02	parabolic
8	5.40498E+00	1.33540E-05	-5.41039E-03	parabolic
9	5.41580E+00	1.33540E-05	5.41039E-03	parabolic
10	5.41039E+00	1.33540E-05	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 Th-230 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	2.42446E+01	1.77202E-04		
1	2.62472E+01	1.77212E-04	2.00255E+00	parabolic
2	2.55406E+01	1.77219E-04	-7.06532E-01	parabolic
3	2.54699E+01	1.77219E-04	-7.06990E-02	parabolic
4	2.54352E+01	1.77219E-04	-3.47067E-02	parabolic
5	2.54098E+01	1.77219E-04	-2.54352E-02	parabolic
6	2.49647E+01	1.77216E-04	-4.45059E-01	golden section
7	2.52398E+01	1.77218E-04	-1.69997E-01	golden section
8	2.53449E+01	1.77219E-04	-6.49335E-02	golden section
9	2.53844E+01	1.77219E-04	-2.48025E-02	golden section
10	2.54098E+01	1.77219E-04	0.00000E+00	direct

Notes:

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

Iteration Log for Computation of the Time of Maximum Th-232 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	2.42446E+01	2.32683E-02		
1	2.48893E+01	2.32656E-02	6.44664E-01	parabolic
2	2.20840E+01	2.32661E-02	-2.16067E+00	golden section
3	2.34455E+01	2.32697E-02	-7.99149E-01	parabolic
4	2.34106E+01	2.32697E-02	-3.48454E-02	parabolic
5	2.32974E+01	2.32697E-02	-1.13242E-01	parabolic
6	2.33674E+01	2.32697E-02	-4.32550E-02	golden section
7	2.33440E+01	2.32697E-02	-3.69459E-03	parabolic

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, $0.5 \cdot (3 - \sqrt{5})$ 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 Th-232 Dose/Source Ratio

Pathway: Inhale (excluding Radon)

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	1.42510E+01	3.16033E-04		
1	1.56373E+01	3.16048E-04	1.38628E+00	parabolic
2	1.51839E+01	3.16056E-04	-4.53413E-01	parabolic
3	1.51261E+01	3.16056E-04	-5.78380E-02	parabolic
4	1.50993E+01	3.16056E-04	-2.67547E-02	parabolic
5	1.50842E+01	3.16056E-04	-1.50993E-02	parabolic
6	1.50993E+01	3.16056E-04	0.00000E+00	direct

Notes:

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

Iteration Log for Computation of the Time of Maximum Th-232 Dose/Source Ratio

Pathway: Soil

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

Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	1.85879E+01	8.58505E-05		
1	1.75395E+01	8.58684E-05	-1.04844E+00	parabolic
2	1.70878E+01	8.58718E-05	-4.51634E-01	parabolic
3	1.67464E+01	8.58722E-05	-3.41452E-01	parabolic
4	1.68340E+01	8.58723E-05	8.76121E-02	parabolic
5	1.68508E+01	8.58723E-05	6.17170E-03	parabolic
6	1.68172E+01	8.58723E-05	-1.68340E-02	parabolic
7	1.67901E+01	8.58723E-05	-2.70347E-02	golden section
8	1.68172E+01	8.58723E-05	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 Th-232 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	2.42446E+01	2.36687E-02		
1	2.48265E+01	2.36662E-02	5.81848E-01	parabolic
2	2.20840E+01	2.36670E-02	-2.16067E+00	golden section
3	2.33782E+01	2.36704E-02	-8.66409E-01	parabolic
4	2.33514E+01	2.36704E-02	-2.67831E-02	parabolic
5	2.32658E+01	2.36704E-02	-8.56621E-02	parabolic
6	2.28144E+01	2.36699E-02	-4.51413E-01	golden section
7	2.32956E+01	2.36704E-02	2.98489E-02	parabolic
8	2.33189E+01	2.36704E-02	2.32956E-02	parabolic
9	2.32956E+01	2.36704E-02	0.00000E+00	direct

Notes:

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

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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

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

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	8.429E-01	5.989E-01	1.810E-01	5.932E-03	3.778E-08	5.394E-23	0.000E+00
0Ra-226	Ra-226	1.000E+00		1.000E+00	8.187E-01	5.487E-01	1.353E-01	2.474E-03	2.048E-09	8.595E-27	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	2.582E-02	5.347E-02	4.881E-02	3.687E-03	3.811E-08	5.751E-23	0.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	7.260E-01	3.827E-01	4.069E-02	6.737E-05	1.244E-14	1.927E-42	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	2.576E-01	3.906E-01	1.202E-01	4.145E-04	1.049E-13	1.647E-41	0.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	6.959E-01	3.370E-01	2.664E-02	1.890E-05	1.798E-16	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		1.000E+00	9.998E-01	9.993E-01	9.976E-01	9.928E-01	9.761E-01	9.299E-01	7.847E-01
Th-230	Ra-226	1.000E+00		0.000E+00	3.926E-04	9.768E-04	1.870E-03	2.147E-03	2.116E-03	2.016E-03	1.701E-03
Th-230	Pb-210	1.000E+00		0.000E+00	5.955E-06	4.218E-05	2.166E-04	3.816E-04	3.854E-04	3.672E-04	3.098E-04
0Th-232	Th-232	1.000E+00		1.000E+00	9.998E-01	9.993E-01	9.977E-01	9.930E-01	9.769E-01	9.324E-01	7.918E-01
Th-232	Ra-228	1.000E+00		0.000E+00	1.031E-01	2.323E-01	3.606E-01	3.741E-01	3.681E-01	3.513E-01	2.983E-01
Th-232	Th-228	1.000E+00		0.000E+00	1.745E-02	1.024E-01	3.206E-01	3.740E-01	3.681E-01	3.513E-01	2.983E-01
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*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): 0.000E+00 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): 1.970 g/cm**3 Effective porosity (pe): 0.000

Radio-nuclide (i)	Distribution Coefficient Kd(i), cm**3/g	Leaching Ratio q(i)
Pb-210	1.000000E+02	1.517E-03
Ra-226	7.000000E+01	2.165E-03
Ra-228	7.000000E+01	2.165E-03
Th-228	6.000000E+04	2.532E-06
Th-230	6.000000E+04	2.532E-06
Th-232	6.000000E+04	2.532E-06

0 Time Dependence of Source Geometry

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

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

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

Nuclide (i)	t=	T(i,t) (meters)						
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
Pb-210	7.0000E-03	6.9970E-03	6.9910E-03	6.9700E-03	6.9100E-03	6.7000E-03	6.1000E-03	4.0000E-03
Ra-226	7.0000E-03	6.9970E-03	6.9910E-03	6.9700E-03	6.9100E-03	6.7000E-03	6.1000E-03	4.0000E-03
Ra-228	7.0000E-03	6.9970E-03	6.9910E-03	6.9700E-03	6.9100E-03	6.7000E-03	6.1000E-03	4.0000E-03
Th-228	7.0000E-03	6.9970E-03	6.9910E-03	6.9700E-03	6.9100E-03	6.7000E-03	6.1000E-03	4.0000E-03
Th-230	7.0000E-03	6.9970E-03	6.9910E-03	6.9700E-03	6.9100E-03	6.7000E-03	6.1000E-03	4.0000E-03
Th-232	7.0000E-03	6.9970E-03	6.9910E-03	6.9700E-03	6.9100E-03	6.7000E-03	6.1000E-03	4.0000E-03

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	1.124E-02	1.124E-02	1.123E-02	1.122E-02	1.117E-02	1.102E-02	1.055E-02	8.459E-03
0Ra-226	Ra-226	1.120E+01	4.013E-03	4.012E-03	4.009E-03	4.000E-03	3.973E-03	3.878E-03	3.603E-03	2.501E-03
Ra-226	Pb-210	6.120E-03	1.124E-02	1.124E-02	1.123E-02	1.122E-02	1.117E-02	1.102E-02	1.055E-02	8.459E-03
0Ra-228	Ra-228	5.980E+00	4.178E-03	4.177E-03	4.174E-03	4.164E-03	4.136E-03	4.038E-03	3.751E-03	2.609E-03
Ra-228	Th-228	1.020E+01	3.698E-03	3.697E-03	3.695E-03	3.686E-03	3.661E-03	3.573E-03	3.318E-03	2.299E-03
0Th-228	Th-228	1.020E+01	3.698E-03	3.697E-03	3.695E-03	3.686E-03	3.661E-03	3.573E-03	3.318E-03	2.299E-03
0Th-230	Th-230	1.210E-03	8.886E-03	8.884E-03	8.880E-03	8.865E-03	8.822E-03	8.674E-03	8.240E-03	6.360E-03
Th-230	Ra-226	1.120E+01	4.013E-03	4.012E-03	4.009E-03	4.000E-03	3.973E-03	3.878E-03	3.603E-03	2.501E-03
Th-230	Pb-210	6.120E-03	1.124E-02	1.124E-02	1.123E-02	1.122E-02	1.117E-02	1.102E-02	1.055E-02	8.459E-03
0Th-232	Th-232	5.210E-04	1.066E-02	1.066E-02	1.066E-02	1.064E-02	1.060E-02	1.045E-02	1.001E-02	8.168E-03
Th-232	Ra-228	4.178E+00	4.178E-03	4.177E-03	4.174E-03	4.164E-03	4.136E-03	4.038E-03	3.751E-03	2.609E-03
Th-232	Th-228	1.020E+01	3.698E-03	3.697E-03	3.695E-03	3.686E-03	3.661E-03	3.573E-03	3.318E-03	2.299E-03
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* - 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*	DSR(j,1,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	6.323E-05	5.328E-05	3.784E-05	1.142E-05	3.729E-07	2.342E-12	3.202E-27	0.000E+00
0Ra-226	Ra-226	1.000E+00	4.073E-02	3.333E-02	2.233E-02	5.490E-03	9.976E-05	8.062E-11	3.142E-28	0.000E+00
Ra-226	Pb-210	1.000E+00	9.455E-07	2.406E-06	3.897E-06	3.208E-06	2.341E-07	2.364E-12	3.414E-27	0.000E+00
Ra-226	\$DSR(j)		4.073E-02	3.334E-02	2.233E-02	5.494E-03	9.999E-05	8.299E-11	3.728E-27	0.000E+00
0Ra-228	Ra-228	1.000E+00	2.138E-02	1.551E-02	8.173E-03	8.669E-04	1.426E-06	2.570E-16	3.643E-44	0.000E+00
Ra-228	Th-228	1.000E+00	5.460E-03	1.211E-02	1.443E-02	4.011E-03	1.334E-05	3.271E-15	4.778E-43	0.000E+00
Ra-228	\$DSR(j)		2.684E-02	2.762E-02	2.261E-02	4.878E-03	1.477E-05	3.528E-15	5.143E-43	0.000E+00
0Th-228	Th-228	1.000E+00	3.164E-02	2.201E-02	1.065E-02	8.399E-04	5.918E-07	5.494E-18	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.075E-05	1.074E-05	1.073E-05	1.070E-05	1.060E-05	1.024E-05	9.269E-06	6.036E-06
Th-230	Ra-226	1.000E+00	9.115E-06	2.509E-05	4.885E-05	8.496E-05	9.553E-05	9.189E-05	8.132E-05	4.763E-05
Th-230	Pb-210	1.000E+00	1.408E-10	8.883E-10	3.729E-09	1.557E-08	2.615E-08	2.599E-08	2.371E-08	1.603E-08
Th-230	\$DSR(j)		1.986E-05	3.584E-05	5.958E-05	9.567E-05	1.061E-04	1.022E-04	9.061E-05	5.369E-05
0Th-232	Th-232	1.000E+00	5.554E-06	5.551E-06	5.546E-06	5.530E-06	5.482E-06	5.316E-06	4.860E-06	3.369E-06
Th-232	Ra-228	1.000E+00	1.357E-03	3.560E-03	6.316E-03	9.031E-03	9.251E-03	8.885E-03	7.878E-03	4.652E-03
Th-232	Th-228	1.000E+00	2.321E-04	1.347E-03	4.734E-03	1.230E-02	1.396E-02	1.341E-02	1.189E-02	6.991E-03
Th-232	\$DSR(j)		1.595E-03	4.913E-03	1.106E-02	2.134E-02	2.322E-02	2.230E-02	1.977E-02	1.165E-02
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*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

OParent (i)	Product (j)	Branch Fraction*	DSR(j,2,t) (mrem/yr) / (pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	3.852E-06	3.245E-06	2.304E-06	6.942E-07	2.255E-08	1.393E-13	1.810E-28	0.000E+00
ORa-226	Ra-226	1.000E+00	1.408E-06	1.152E-06	7.714E-07	1.896E-07	3.438E-09	2.760E-15	1.054E-32	0.000E+00
Ra-226	Pb-210	1.000E+00	5.760E-08	1.465E-07	2.372E-07	1.949E-07	1.416E-08	1.406E-13	1.930E-28	0.000E+00
Ra-226	\$DSR(j)		1.465E-06	1.299E-06	1.009E-06	3.845E-07	1.760E-08	1.434E-13	1.930E-28	0.000E+00
ORa-228	Ra-228	1.000E+00	7.851E-07	5.698E-07	3.001E-07	3.181E-08	5.221E-11	9.350E-21	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	9.020E-06	2.000E-05	2.384E-05	6.619E-06	2.198E-08	5.353E-18	1.401E-45	0.000E+00
Ra-228	\$DSR(j)		9.805E-06	2.057E-05	2.414E-05	6.651E-06	2.204E-08	5.362E-18	1.401E-45	0.000E+00
0Th-228	Th-228	1.000E+00	5.227E-05	3.636E-05	1.759E-05	1.386E-06	9.750E-10	8.992E-21	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	5.887E-05	5.883E-05	5.875E-05	5.848E-05	5.769E-05	5.500E-05	4.770E-05	2.640E-05
Th-230	Ra-226	1.000E+00	3.150E-10	8.672E-10	1.688E-09	2.934E-09	3.292E-09	3.146E-09	2.728E-09	1.510E-09
Th-230	Pb-210	1.000E+00	8.577E-12	5.410E-11	2.270E-10	9.464E-10	1.582E-09	1.545E-09	1.340E-09	7.417E-10
Th-230	\$DSR(j)		5.887E-05	5.883E-05	5.876E-05	5.848E-05	5.770E-05	5.500E-05	4.771E-05	2.640E-05
0Th-232	Th-232	1.000E+00	2.962E-04	2.960E-04	2.956E-04	2.942E-04	2.903E-04	2.769E-04	2.406E-04	1.340E-04
Th-232	Ra-228	1.000E+00	4.984E-08	1.307E-07	2.319E-07	3.314E-07	3.388E-07	3.232E-07	2.808E-07	1.564E-07
Th-232	Th-228	1.000E+00	3.835E-07	2.225E-06	7.819E-06	2.030E-05	2.300E-05	2.195E-05	1.907E-05	1.062E-05
Th-232	\$DSR(j)		2.966E-04	2.983E-04	3.036E-04	3.148E-04	3.137E-04	2.992E-04	2.600E-04	1.448E-04

*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.

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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)]: 0.0000E+00 m Mass Loading (ASR2): 1.0000E-04 g/m**3
 Contaminated Zone Thickness [T(0)]: 7.0000E-03 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
Pb-210+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Ra-226+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Ra-228+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-228+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-230	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-232	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02

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

Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) (g/yr)								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	2.320E-02	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
0Ra-226	Ra-226	8.600E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
Ra-226	Pb-210	2.320E-02	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
0Ra-228	Ra-228	5.080E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
Ra-228	Th-228	3.450E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
0Th-228	Th-228	3.450E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
0Th-230	Th-230	3.260E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
Th-230	Ra-226	8.600E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
Th-230	Pb-210	2.320E-02	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
0Th-232	Th-232	1.640E+00	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
Th-232	Ra-228	5.080E-03	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	
Th-232	Th-228	3.450E-01	1.806E-04	1.806E-04	1.804E-04	1.799E-04	1.783E-04	1.729E-04	1.574E-04	1.032E-04	

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

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

ONuclide (i)	t=	WLOTD(i,t) (WL)							
		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	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	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	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	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	0.0000E+00
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Indoor Working Levels of Radon [WLIND(i,t)]

ONuclide (i)	t=	WLIND(i,t) (WL)							
		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	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	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	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	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	0.0000E+00
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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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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)]: 1.970000 g/cm**3
 Effective porosity [peuz(1)]: 0.200000
 Hydraulic conductivity [Khuz(1)]: 10.000000 m/yr
 Total porosity [ptuz(1)]: 0.400000
 Soil specific b parameter [buz(1)]: 5.300000
 Saturation ratio [sruz(1)]: 0.748097

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	6.5934E+02	7.7645E+02
Ra-226	7.0000E+01	4.6184E+02	5.4387E+02
Ra-228	7.0000E+01	4.6184E+02	5.4387E+02
Th-228	6.0000E+04	3.9500E+05	4.6516E+05
Th-230	6.0000E+04	3.9500E+05	4.6516E+05
Th-232	6.0000E+04	3.9500E+05	4.6516E+05
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Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]: 4.000000 m
 Bulk soil material density [rhob(2)]: 1.650000 g/cm**3
 Effective porosity [peuz(2)]: 0.200000
 Hydraulic conductivity [Khuz(2)]: 2018.000000 m/yr
 Total porosity [ptuz(2)]: 0.400000
 Soil specific b parameter [buz(2)]: 5.300000
 Saturation ratio [sruz(2)]: 0.506382

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	8.1560E+02	1.7109E+03
Ra-226	7.0000E+01	5.7122E+02	1.1982E+03
Ra-228	7.0000E+01	5.7122E+02	1.1982E+03
Th-228	6.0000E+04	4.8876E+05	1.0253E+06
Th-230	6.0000E+04	4.8876E+05	1.0253E+06
Th-232	6.0000E+04	4.8876E+05	1.0253E+06
=====	=====	=====	=====

Transport Time Parameters for Unsaturated Zone Stratum No. 3

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

Radio-nuclide (i)	Distribution Coefficient Kduz(i,3), cm**3/g	Retardation Factor Rduz(i,3)	Transport Time Dtuz(i,3), 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
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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	3.5266E+04
Ra-226	7.0000E+01	4.9665E+02	9.1448E+03
Ra-228	7.0000E+01	4.9665E+02	9.1448E+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
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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): 0.23820E+02 m
 Initial thickness of uncontaminated cover (Cd): 0.00000E+00 m
 Initial thickness of contaminated zone (T): 0.70000E-02 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): 1.970 g/cm**3

0 Radio-nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdcz(i)	Breakthrough Time Chain year	Single Nuclide Dt(i), yr	Rise Time dt(i), yr
Pb-210	3.219E-01	6.593E+02	1.744E+04	4.711E+04	2.412E+03
Ra-226	3.219E-01	4.618E+02	1.744E+04	1.744E+04	1.690E+03
Ra-228	3.219E-01	4.618E+02	1.744E+04	1.744E+04	1.690E+03
Th-228	3.219E-01	3.950E+05	1.744E+04	Infinite	1.444E+06
Th-230	3.219E-01	3.950E+05	Infinite	Infinite	1.444E+06
Th-232	3.219E-01	3.950E+05	Infinite	Infinite	1.444E+06

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.

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

Parent (i)	Product (j)	Branch Fraction	STOR_ID(i,j,t) = CONCE(i,j,t)/CONCE(i,i,0)									
			t=	1.400E+01	1.000E+00	1.000E+00	2.000E+01	7.000E+00	7.000E+00	1.000E+00	1.000E+00	4.500E+01
Pb-210	Pb-210	1.000E+00	9.988E-01	9.999E-01	9.999E-01	9.983E-01	9.994E-01	9.994E-01	9.999E-01	9.999E-01	9.999E-01	9.962E-01
Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
Ra-226	Pb-210	1.000E+00	1.191E-03	8.510E-05	8.510E-05	1.701E-03	5.955E-04	5.955E-04	8.510E-05	8.510E-05	8.510E-05	3.822E-03
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	9.997E-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	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	9.990E-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	1.000E+00
Th-230	Ra-226	1.000E+00	1.661E-05	1.186E-06	1.186E-06	2.372E-05	8.303E-06	8.303E-06	1.186E-06	1.186E-06	1.186E-06	5.337E-05
Th-230	Pb-210	1.000E+00	9.888E-09	5.047E-11	5.047E-11	2.018E-08	2.472E-09	2.472E-09	5.047E-11	5.047E-11	5.047E-11	1.021E-07
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	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	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	1.636E-07	3.250E-04

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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
ORa-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
ORa-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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
ORa-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
ORa-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

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

OParent (i)	Product (j)	Branch Fraction*	CFLF(j,1,t)#	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	1.587E+00	1.163E+00	1.039E+00	1.007E+00	9.970E-01	9.962E-01	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	6.834E+00	2.741E+00	1.547E+00	1.237E+00	1.161E+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	1.004E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00
Th-230	Pb-210	1.000E+00		1.000E+00	2.219E+00	1.371E+00	1.130E+00	1.082E+00	1.080E+00	1.080E+00	1.080E+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	9.895E-01	9.869E-01	9.863E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
Th-232	Th-228	1.000E+00		1.000E+00	1.320E+01	5.058E+00	2.903E+00	2.678E+00	2.678E+00	2.678E+00	2.678E+00

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

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

OParent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	1.551E+00	1.160E+00	1.039E+00	1.006E+00	9.970E-01	9.962E-01	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	6.490E+00	2.711E+00	1.545E+00	1.237E+00	1.161E+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	1.004E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00
Th-230	Pb-210	1.000E+00	1.000E+00	2.147E+00	1.365E+00	1.129E+00	1.082E+00	1.080E+00	1.080E+00	1.080E+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	9.893E-01	9.869E-01	9.863E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
Th-232	Th-228	1.000E+00	1.000E+00	1.251E+01	4.999E+00	2.900E+00	2.678E+00	2.678E+00	2.678E+00	2.678E+00

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

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

OParent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	1.142E+00	1.048E+00	1.012E+00	1.002E+00	9.986E-01	9.983E-01	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	2.659E+00	1.673E+00	1.236E+00	1.106E+00	1.072E+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	1.002E+00	1.001E+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	1.239E+00	1.100E+00	1.039E+00	1.025E+00	1.025E+00	1.025E+00	1.025E+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	9.953E-01	9.942E-01	9.939E-01	9.939E-01	9.939E-01	9.939E-01	9.939E-01
Th-232	Th-228	1.000E+00	1.000E+00	3.538E+00	2.322E+00	1.732E+00	1.658E+00	1.658E+00	1.658E+00	1.658E+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

OParent (i)	Product (j)	Branch Fraction*	CF45(j,2,t)#							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	1.017E+00	1.006E+00	1.002E+00	1.000E+00	9.999E-01	9.999E-01	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	2.488E+00	1.609E+00	1.224E+00	1.109E+00	1.080E+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	1.030E+00	1.013E+00	1.005E+00	1.003E+00	1.003E+00	1.003E+00	1.003E+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	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Th-232	Th-228	1.000E+00	1.000E+00	3.362E+00	2.213E+00	1.673E+00	1.606E+00	1.606E+00	1.606E+00	1.606E+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

OParent (i)	Product (j)	Branch Fraction*	CFF(j,1,t)#							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
Overhead Irrigation (q=4)

Area Factor for Plant Foods [FA(3)] = 0.03

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)

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

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

0

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

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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

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

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

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

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00

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

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

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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

Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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

Parent (i)	Product (j)	DCF(j,4)*	Subpathway: Livestock Water (q=5)								
			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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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

Parent (i)	Product (j)	DCF(j,5) *	ETF(j,5,1,t) (g/yr)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00

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

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

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) (g/yr)									
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03		
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00	0.000E+00

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

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

Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) (g/yr)									
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03		
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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00	0.000E+00

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

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

Parent (i)	Product (j)	DCF(j,5) *	ETF(j,5,5,t) * SF(j,t) (g/yr)									
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
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* - The dose conversion factor units are mrem/pCi.

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	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	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	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	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	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	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	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	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	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	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	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	0.000E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

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

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
 Subpathway: Root Uptake from Contaminated Soil (q=1)
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	DSR(j,3,t) (mrem/yr)/(pCi/g)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000E+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	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

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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=	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: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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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 *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)
 Total for All Subpathways
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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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*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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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 the Ingestion of Fish (p=6)
 Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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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 *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 the Ingestion of Drinking Water (p=7)
 Parent and Progeny Principal Radionuclide Contributions Indicated

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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.

Plant/Air and Plant/Water Concentration Ratios

0 Mass loading [ASR(3)]: 1.000E-04 g/m**3
 0 Area Factor for Mass Loading [FA(2)]: 1.617E-01

0Nuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
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.

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

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

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

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

ONuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
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.

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

Parent (i)	Product (j)	Branch Fraction*	DSR(j,8,t) (mrem/yr)/(pCi/g)								
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03	
Pb-210	Pb-210	1.000E+00	1.626E-04	1.370E-04	9.726E-05	2.931E-05	9.522E-07	5.881E-12	7.643E-27	0.000E+00	
0Ra-226	Ra-226	1.000E+00	2.933E-05	2.400E-05	1.607E-05	3.950E-06	7.164E-08	5.751E-14	2.197E-31	0.000E+00	
	Ra-226	Pb-210	1.000E+00	2.432E-06	6.187E-06	1.002E-05	8.230E-06	5.978E-07	5.936E-12	8.149E-27	0.000E+00
	Ra-226	\$DSR(j)		3.176E-05	3.019E-05	2.609E-05	1.218E-05	6.695E-07	5.993E-12	8.150E-27	0.000E+00
0Ra-228	Ra-228	1.000E+00	2.999E-05	2.176E-05	1.146E-05	1.215E-06	1.994E-09	3.571E-19	0.000E+00	0.000E+00	
	Ra-228	Th-228	1.000E+00	2.846E-06	6.311E-06	7.522E-06	2.089E-06	6.937E-09	1.689E-18	0.000E+00	0.000E+00
	Ra-228	\$DSR(j)		3.283E-05	2.807E-05	1.898E-05	3.304E-06	8.931E-09	2.046E-18	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	1.649E-05	1.147E-05	5.551E-06	4.374E-07	3.076E-10	2.837E-21	0.000E+00	0.000E+00	
0Th-230	Th-230	1.000E+00	1.333E-05	1.332E-05	1.331E-05	1.324E-05	1.307E-05	1.246E-05	1.080E-05	5.978E-06	
	Th-230	Ra-226	1.000E+00	6.564E-09	1.807E-08	3.517E-08	6.112E-08	6.860E-08	6.554E-08	5.685E-08	3.146E-08
	Th-230	Pb-210	1.000E+00	3.621E-10	2.284E-09	9.584E-09	3.996E-08	6.677E-08	6.525E-08	5.659E-08	3.131E-08
	Th-230	\$DSR(j)		1.334E-05	1.334E-05	1.335E-05	1.335E-05	1.320E-05	1.259E-05	1.092E-05	6.041E-06
0Th-232	Th-232	1.000E+00	6.642E-05	6.638E-05	6.629E-05	6.598E-05	6.511E-05	6.211E-05	5.397E-05	3.005E-05	
	Th-232	Ra-228	1.000E+00	1.903E-06	4.993E-06	8.857E-06	1.266E-05	1.294E-05	1.234E-05	1.073E-05	5.972E-06
	Th-232	Th-228	1.000E+00	1.210E-07	7.020E-07	2.467E-06	6.406E-06	7.258E-06	6.926E-06	6.018E-06	3.351E-06
	Th-232	\$DSR(j)		6.845E-05	7.207E-05	7.762E-05	8.505E-05	8.531E-05	8.138E-05	7.071E-05	3.937E-05

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 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

Parent (i)	Product (j)	DCF(j,8) *	ETF(j,8,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Ra-226	Ra-226	1.330E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Ra-226	Pb-210	7.270E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Ra-228	Ra-228	1.440E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Ra-228	Th-228	8.080E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Th-228	Th-228	8.080E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Th-230	Th-230	5.480E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-230	Ra-226	1.330E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-230	Pb-210	7.270E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
0Th-232	Th-232	2.730E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-232	Ra-228	1.440E-03	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
Th-232	Th-228	8.080E-04	2.434E-02	2.433E-02	2.431E-02	2.423E-02	2.403E-02	2.330E-02	2.121E-02	1.391E-02
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* - The dose conversion factor units are mrem/pCi.

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Part III: Intake Quantities and Health Risk Factors
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Cancer Risk Slope Factors	2
Amount of Intake Quantities and Excess Cancer Risks	
Time= 0.000E+00	4
Time= 1.000E+00	7
Time= 3.000E+00	10
Time= 1.000E+01	13
Time= 3.000E+01	16
Time= 1.000E+02	19
Time= 3.000E+02	22
Time= 1.000E+03	25

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

0	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)

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

0	Menu	Parameter	Current Value	Default	Parameter Name
	Sf-Rn	Radon K factors, (mrem/WLM):			
	Sf-Rn	Rn-222 Indoor	7.60E+02	7.60E+02	KFACTR(1,1)
	Sf-Rn	Rn-222 Outdoor	5.70E+02	5.70E+02	KFACTR(1,2)
	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	2.963E-03	0.000E+00	0.000E+00	0.000E+00	3.992E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.992E-01
Ra-226	6.521E-03	0.000E+00	0.000E+00	0.000E+00	8.786E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.786E-01
Ra-228	9.540E-02	0.000E+00	0.000E+00	0.000E+00	1.285E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.285E+01
Th-228	9.540E-02	0.000E+00	0.000E+00	0.000E+00	1.285E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.285E+01
Th-230	2.963E-01	0.000E+00	0.000E+00	0.000E+00	3.992E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.992E+01
Th-232	9.540E-02	0.000E+00	0.000E+00	0.000E+00	1.285E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.285E+01

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

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

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

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

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

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.328E-08	0.0000	2.737E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.119E-08	0.0001
Ra-226	3.690E-05	0.0463	5.517E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.355E-08	0.0000
Ra-228	2.999E-04	0.3766	1.251E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.514E-07	0.0007
Th-228	4.565E-04	0.5733	1.025E-06	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.627E-07	0.0002
Th-230	3.576E-07	0.0004	3.022E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.425E-07	0.0002
Th-232	5.777E-08	0.0001	1.239E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.129E-08	0.0001
Total	7.937E-04	0.9968	1.584E-06	0.0020	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.627E-07	0.0012

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.721E-08	0.0001
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	3.692E-05	0.0464
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	3.005E-04	0.3775
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	4.576E-04	0.5748
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	8.023E-07	0.0010
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	2.330E-07	0.0003
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.962E-04	1.0000

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

0

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

0

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

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

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

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.328E-08	0.0000	2.737E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.119E-08	0.0001
Ra-226	3.690E-05	0.0463	5.517E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.355E-08	0.0000
Ra-228	2.999E-04	0.3766	1.251E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.514E-07	0.0007
Th-228	4.565E-04	0.5733	1.025E-06	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.627E-07	0.0002
Th-230	3.576E-07	0.0004	3.022E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.425E-07	0.0002
Th-232	5.777E-08	0.0001	1.239E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.129E-08	0.0001
===== Total	7.937E-04	0.9968	1.584E-06	0.0020	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.627E-07	0.0012

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	6.721E-08	0.0001
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	3.692E-05	0.0464
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	3.005E-04	0.3775
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	4.576E-04	0.5748
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	8.023E-07	0.0010
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	2.330E-07	0.0003
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.962E-04	1.0000

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

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

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	2.666E-03	0.000E+00	0.000E+00	0.000E+00	3.592E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.592E-01
Ra-226	5.453E-03	0.000E+00	0.000E+00	0.000E+00	7.347E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.347E-01
Ra-228	7.907E-02	0.000E+00	0.000E+00	0.000E+00	1.065E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.065E+01
Th-228	9.258E-02	0.000E+00	0.000E+00	0.000E+00	1.247E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.247E+01
Th-230	2.961E-01	0.000E+00	0.000E+00	0.000E+00	3.989E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.989E+01
Th-232	9.534E-02	0.000E+00	0.000E+00	0.000E+00	1.284E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.284E+01

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

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

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.095E-08	0.0000	2.464E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.707E-08	0.0001
Ra-226	3.086E-05	0.0425	4.613E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.133E-08	0.0000
Ra-228	2.485E-04	0.3427	1.037E-07	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.570E-07	0.0006
Th-228	4.430E-04	0.6109	9.944E-07	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.579E-07	0.0002
Th-230	3.574E-07	0.0005	3.020E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.424E-07	0.0002
Th-232	5.774E-08	0.0001	1.238E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.125E-08	0.0001
Total	7.229E-04	0.9967	1.531E-06	0.0021	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.570E-07	0.0012

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.049E-08	0.0001
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	3.087E-05	0.0426
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	2.491E-04	0.3435
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	4.442E-04	0.6124
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	8.018E-07	0.0011
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	2.328E-07	0.0003
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.253E-04	1.0000

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

0

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

0

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

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

0

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

0

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.962E-08	0.0000	2.306E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.471E-08	0.0000
Ra-226	3.020E-05	0.0416	4.670E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.343E-08	0.0000
Ra-228	3.352E-04	0.4621	3.545E-07	0.0005	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.421E-07	0.0006
Th-228	3.175E-04	0.4378	7.127E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.132E-07	0.0002
Th-230	1.015E-06	0.0014	3.021E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.427E-07	0.0002
Th-232	3.894E-05	0.0537	1.546E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.109E-07	0.0002
===== Total	7.229E-04	0.9967	1.531E-06	0.0021	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.570E-07	0.0012

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	5.663E-08	0.0001
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	3.022E-05	0.0417
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	3.360E-04	0.4632
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	3.184E-04	0.4390
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	1.460E-06	0.0020
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	3.920E-05	0.0541
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.253E-04	1.0000

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

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

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	2.133E-03	0.000E+00	0.000E+00	0.000E+00	2.873E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.873E-01
Ra-226	3.863E-03	0.000E+00	0.000E+00	0.000E+00	5.204E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.204E-01
Ra-228	5.860E-02	0.000E+00	0.000E+00	0.000E+00	7.895E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.895E+00
Th-228	7.908E-02	0.000E+00	0.000E+00	0.000E+00	1.065E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.065E+01
Th-230	2.957E-01	0.000E+00	0.000E+00	0.000E+00	3.984E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.984E+01
Th-232	9.521E-02	0.000E+00	0.000E+00	0.000E+00	1.283E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.283E+01

* 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	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

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.677E-08	0.0000	1.971E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.965E-08	0.0001
Ra-226	2.186E-05	0.0372	3.268E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.025E-09	0.0000
Ra-228	1.842E-04	0.3138	7.682E-08	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.387E-07	0.0006
Th-228	3.785E-04	0.6447	8.493E-07	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.349E-07	0.0002
Th-230	3.571E-07	0.0006	3.016E-07	0.0005	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.422E-07	0.0002
Th-232	5.769E-08	0.0001	1.237E-07	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.118E-08	0.0001
Total	5.850E-04	0.9965	1.357E-06	0.0023	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.046E-07	0.0012

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.839E-08	0.0001
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	2.187E-05	0.0373
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	1.846E-04	0.3145
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	3.795E-04	0.6464
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	8.009E-07	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	2.326E-07	0.0004
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.871E-04	1.0000

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

0

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

0

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

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

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

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.393E-08	0.0000	1.637E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.464E-08	0.0000
Ra-226	2.023E-05	0.0345	3.345E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.227E-08	0.0000
Ra-228	2.928E-04	0.4987	4.475E-07	0.0008	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.742E-07	0.0005
Th-228	1.537E-04	0.2618	3.449E-07	0.0006	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.477E-08	0.0001
Th-230	1.993E-06	0.0034	3.018E-07	0.0005	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.430E-07	0.0002
Th-232	1.163E-04	0.1982	2.574E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.958E-07	0.0003
===== Total	5.850E-04	0.9965	1.357E-06	0.0023	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.047E-07	0.0012

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	4.021E-08	0.0001
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	2.025E-05	0.0345
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	2.935E-04	0.4999
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	1.541E-04	0.2625
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	2.438E-06	0.0042
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	1.168E-04	0.1989
===== 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	5.871E-04	1.0000

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

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

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	9.148E-04	0.000E+00	0.000E+00	0.000E+00	1.233E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.233E-01
Ra-226	1.430E-03	0.000E+00	0.000E+00	0.000E+00	1.926E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.926E-01
Ra-228	3.812E-02	0.000E+00	0.000E+00	0.000E+00	5.135E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.135E+00
Th-228	4.440E-02	0.000E+00	0.000E+00	0.000E+00	5.982E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.982E+00
Th-230	2.943E-01	0.000E+00	0.000E+00	0.000E+00	3.965E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.965E+01
Th-232	9.477E-02	0.000E+00	0.000E+00	0.000E+00	1.277E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.277E+01

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

0

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

0

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

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

0

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

0

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	7.205E-09	0.0000	8.453E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.272E-08	0.0000
Ra-226	8.098E-06	0.0236	1.210E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.970E-09	0.0000
Ra-228	1.199E-04	0.3501	4.997E-08	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.203E-07	0.0006
Th-228	2.126E-04	0.6208	4.768E-07	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.573E-08	0.0002
Th-230	3.559E-07	0.0010	3.002E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.415E-07	0.0004
Th-232	5.752E-08	0.0002	1.231E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.095E-08	0.0001
Total	3.411E-04	0.9957	9.521E-07	0.0028	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.042E-07	0.0015

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	2.077E-08	0.0001
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	8.102E-06	0.0237
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	1.202E-04	0.3509
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	2.132E-04	0.6224
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	7.976E-07	0.0023
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	2.316E-07	0.0007
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.425E-04	1.0000

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

0

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

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	4.206E-09	0.0000	4.934E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.425E-09	0.0000
Ra-226	4.977E-06	0.0145	1.036E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.231E-09	0.0000
Ra-228	6.683E-05	0.1951	1.277E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.181E-08	0.0001
Th-228	1.212E-05	0.0354	2.717E-08	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.316E-09	0.0000
Th-230	3.480E-06	0.0102	3.007E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.436E-07	0.0004
Th-232	2.537E-04	0.7406	4.951E-07	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.009E-07	0.0009
===== Total	3.411E-04	0.9957	9.521E-07	0.0028	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.042E-07	0.0015

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	1.212E-08	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	4.984E-06	0.0146
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	6.700E-05	0.1956
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	1.215E-05	0.0355
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	3.924E-06	0.0115
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	2.545E-04	0.7429
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.425E-04	1.0000

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

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

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.527E-04	0.000E+00	0.000E+00	0.000E+00	2.057E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.057E-02
Ra-226	6.438E-04	0.000E+00	0.000E+00	0.000E+00	8.674E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.674E-02
Ra-228	3.524E-02	0.000E+00	0.000E+00	0.000E+00	4.748E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.748E+00
Th-228	3.526E-02	0.000E+00	0.000E+00	0.000E+00	4.751E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.751E+00
Th-230	2.903E-01	0.000E+00	0.000E+00	0.000E+00	3.912E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.912E+01
Th-232	9.352E-02	0.000E+00	0.000E+00	0.000E+00	1.260E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.260E+01

* 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	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

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.208E-09	0.0000	1.411E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.123E-09	0.0000
Ra-226	3.653E-06	0.0128	5.447E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.338E-09	0.0000
Ra-228	1.111E-04	0.3889	4.620E-08	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.037E-07	0.0007
Th-228	1.692E-04	0.5923	3.787E-07	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.014E-08	0.0002
Th-230	3.525E-07	0.0012	2.961E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.396E-07	0.0005
Th-232	5.702E-08	0.0002	1.215E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.027E-08	0.0002
Total	2.843E-04	0.9954	8.432E-07	0.0030	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.572E-07	0.0016

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	3.473E-09	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.655E-06	0.0128
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	1.113E-04	0.3898
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	1.696E-04	0.5939
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	7.883E-07	0.0028
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	2.288E-07	0.0008
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.856E-04	1.0000

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

Excess Cancer Risks CNRS9(irn,i,t) and CNRS9W(irn,i,t) for Inhalation of

Radon and its Decay Products at t= 3.000E+01 years
 Radionuclides

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

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

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

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.373E-10	0.0000	1.603E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.412E-10	0.0000
Ra-226	9.057E-08	0.0003	3.541E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.631E-10	0.0000
Ra-228	2.073E-07	0.0007	4.275E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.033E-10	0.0000
Th-228	8.539E-09	0.0000	1.911E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.036E-12	0.0000
Th-230	3.916E-06	0.0137	2.968E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.425E-07	0.0005
Th-232	2.801E-04	0.9807	5.459E-07	0.0019	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.140E-07	0.0011
===== Total	2.843E-04	0.9954	8.432E-07	0.0030	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.572E-07	0.0016

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	3.945E-10	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.096E-08	0.0003
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	2.078E-07	0.0007
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	8.561E-09	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.356E-06	0.0152
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	2.810E-04	0.9837
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.856E-04	1.0000

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

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

Radio- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.093E-04	0.000E+00	0.000E+00	0.000E+00	1.472E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.472E-02
Ra-226	6.001E-04	0.000E+00	0.000E+00	0.000E+00	8.085E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.085E-02
Ra-228	3.361E-02	0.000E+00	0.000E+00	0.000E+00	4.528E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.528E+00
Th-228	3.361E-02	0.000E+00	0.000E+00	0.000E+00	4.528E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.528E+00
Th-230	2.768E-01	0.000E+00	0.000E+00	0.000E+00	3.729E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.729E+01
Th-232	8.921E-02	0.000E+00	0.000E+00	0.000E+00	1.202E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.202E+01
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

* 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
 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

0
 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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	8.796E-10	0.0000	1.010E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.520E-09	0.0000
Ra-226	3.428E-06	0.0125	5.077E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.247E-09	0.0000
Ra-228	1.067E-04	0.3892	4.406E-08	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.943E-07	0.0007
Th-228	1.623E-04	0.5923	3.610E-07	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.733E-08	0.0002
Th-230	3.407E-07	0.0012	2.823E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.331E-07	0.0005
Th-232	5.530E-08	0.0002	1.159E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.795E-08	0.0002
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total	2.728E-04	0.9955	8.038E-07	0.0029	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.354E-07	0.0016

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	2.500E-09	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.430E-06	0.0125
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	1.069E-04	0.3901
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	1.627E-04	0.5938
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	7.561E-07	0.0028
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	2.191E-07	0.0008
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.741E-04	1.0000

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

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

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

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

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

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	8.623E-16	0.0000	9.900E-17	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.490E-15	0.0000
Ra-226	7.496E-14	0.0000	2.306E-16	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.334E-15	0.0000
Ra-228	4.985E-17	0.0000	1.043E-19	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.290E-20	0.0000
Th-228	7.927E-20	0.0000	1.763E-22	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.800E-23	0.0000
Th-230	3.770E-06	0.0138	2.829E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.359E-07	0.0005
Th-232	2.691E-04	0.9817	5.209E-07	0.0019	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.996E-07	0.0011
===== Total	2.728E-04	0.9955	8.038E-07	0.0029	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.354E-07	0.0016

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	2.451E-15	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.852E-14	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	4.998E-17	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	7.948E-20	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	4.188E-06	0.0153
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	2.699E-04	0.9847
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.741E-04	1.0000

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

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 3.000E+02 years

Radio- 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	9.479E-05	0.000E+00	0.000E+00	0.000E+00	1.277E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.277E-02
Ra-226	5.205E-04	0.000E+00	0.000E+00	0.000E+00	7.012E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.012E-02
Ra-228	2.920E-02	0.000E+00	0.000E+00	0.000E+00	3.935E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.935E+00
Th-228	2.920E-02	0.000E+00	0.000E+00	0.000E+00	3.935E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.935E+00
Th-230	2.401E-01	0.000E+00	0.000E+00	0.000E+00	3.234E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.234E+01
Th-232	7.751E-02	0.000E+00	0.000E+00	0.000E+00	1.044E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.044E+01

* 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
 Radionuclides

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	8.024E-10	0.0000	8.758E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.318E-09	0.0000
Ra-226	3.034E-06	0.0125	4.403E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.081E-09	0.0000
Ra-228	9.458E-05	0.3894	3.829E-08	0.0002	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.688E-07	0.0007
Th-228	1.439E-04	0.5922	3.137E-07	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.981E-08	0.0002
Th-230	3.084E-07	0.0013	2.449E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.155E-07	0.0005
Th-232	5.056E-08	0.0002	1.007E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.167E-08	0.0002
Total	2.418E-04	0.9956	6.980E-07	0.0029	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.782E-07	0.0016

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	2.208E-09	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.035E-06	0.0125
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	9.479E-05	0.3902
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	1.442E-04	0.5937
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	6.687E-07	0.0028
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	1.929E-07	0.0008
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.429E-04	1.0000

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

0

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

0

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

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

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

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	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	3.343E-06	0.0138	2.454E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.179E-07	0.0005
Th-232	2.385E-04	0.9818	4.526E-07	0.0019	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.603E-07	0.0011
===== Total	2.418E-04	0.9956	6.980E-07	0.0029	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.782E-07	0.0016

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	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	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.706E-06	0.0153
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	2.392E-04	0.9847
===== Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.429E-04	1.0000

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

Amount of Intake Quantities QINT(i,p,t) for Individual Radionuclides (i) and Pathways (p)
 As pCi/yr at t= 1.000E+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	5.246E-05	0.000E+00	0.000E+00	0.000E+00	7.067E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.067E-03
Ra-226	2.880E-04	0.000E+00	0.000E+00	0.000E+00	3.881E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.881E-02
Ra-228	1.626E-02	0.000E+00	0.000E+00	0.000E+00	2.191E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.191E+00
Th-228	1.626E-02	0.000E+00	0.000E+00	0.000E+00	2.191E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.191E+00
Th-230	1.329E-01	0.000E+00	0.000E+00	0.000E+00	1.790E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.790E+01
Th-232	4.317E-02	0.000E+00	0.000E+00	0.000E+00	5.816E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.816E+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+03 years
 Radionuclides

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	5.428E-10	0.0000	4.847E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.294E-10	0.0000
Ra-226	1.777E-06	0.0124	2.437E-10	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.984E-10	0.0000
Ra-228	5.585E-05	0.3903	2.132E-08	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.401E-08	0.0007
Th-228	8.463E-05	0.5914	1.747E-07	0.0012	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.774E-08	0.0002
Th-230	2.009E-07	0.0014	1.355E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.390E-08	0.0004
Th-232	3.504E-08	0.0002	5.607E-08	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.321E-08	0.0002
Total	1.425E-04	0.9958	3.879E-07	0.0027	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.102E-07	0.0015

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

Water Dependent Pathways

Radio- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.321E-09	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.778E-06	0.0124
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	5.597E-05	0.3911
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	8.484E-05	0.5928
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.003E-07	0.0028
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	1.143E-07	0.0008
===== 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	1.431E-04	1.0000

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

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

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

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

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

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	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	1.979E-06	0.0138	1.358E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.523E-08	0.0005
Th-232	1.405E-04	0.9820	2.521E-07	0.0018	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.450E-07	0.0010
===== Total	1.425E-04	0.9958	3.879E-07	0.0027	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.102E-07	0.0015

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	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	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.180E-06	0.0152
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	1.409E-04	0.9848
===== 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	1.431E-04	1.0000

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

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Part IV: Concentration of Radionuclides
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Concentration of radionuclides in different media

Time= 0.000E+00	2
Time= 1.000E+00	3
Time= 3.000E+00	4
Time= 1.000E+01	5
Time= 3.000E+01	6
Time= 1.000E+02	7
Time= 3.000E+02	8
Time= 1.000E+03	9

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	1.640E+01	7.653E-01	1.238E-05	0.000E+00	0.000E+00
Ra-226	3.610E+01	1.685E+00	2.724E-05	0.000E+00	0.000E+00
Ra-228	5.281E+02	2.464E+01	3.985E-04	0.000E+00	0.000E+00
Th-228	5.281E+02	2.464E+01	3.985E-04	0.000E+00	0.000E+00
Th-230	1.640E+03	7.653E+01	1.238E-03	0.000E+00	0.000E+00
Th-232	5.281E+02	2.464E+01	3.985E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	4.593E+00	4.595E+00	4.596E+00	4.596E+00	5.561E-01	1.906E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	4.043E+01	4.044E+01	4.044E+01	4.044E+01	3.592E+00	3.067E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	5.915E+02	5.916E+02	5.916E+02	5.916E+02	5.255E+01	4.486E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.481E+01	1.489E+01	1.490E+01	1.490E+01	1.334E+00	6.571E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	4.599E+01	4.624E+01	4.627E+01	4.627E+01	4.141E+00	2.041E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.481E+01	1.489E+01	1.490E+01	1.490E+01	1.334E+00	6.571E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	1.477E+01	6.888E-01	1.114E-05	0.000E+00	0.000E+00
Ra-226	3.020E+01	1.409E+00	2.278E-05	0.000E+00	0.000E+00
Ra-228	4.379E+02	2.043E+01	3.303E-04	0.000E+00	0.000E+00
Th-228	5.127E+02	2.392E+01	3.867E-04	0.000E+00	0.000E+00
Th-230	1.640E+03	7.648E+01	1.237E-03	0.000E+00	0.000E+00
Th-232	5.280E+02	2.463E+01	3.982E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	4.186E+00	4.139E+00	4.333E+00	4.308E+00	5.172E-01	1.746E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	3.404E+01	3.383E+01	3.490E+01	3.458E+01	3.084E+00	2.606E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	4.913E+02	4.904E+02	4.988E+02	4.942E+02	4.395E+01	3.739E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	2.099E+01	1.493E+01	3.589E+01	3.565E+01	2.281E+00	1.066E-01	0.000E+00	0.000E+00
Th-230	0.000E+00	4.596E+01	4.621E+01	4.625E+01	4.625E+01	4.139E+00	2.039E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.480E+01	1.488E+01	1.489E+01	1.489E+01	1.333E+00	6.567E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	1.182E+01	5.509E-01	8.908E-06	0.000E+00	0.000E+00
Ra-226	2.141E+01	9.979E-01	1.614E-05	0.000E+00	0.000E+00
Ra-228	3.248E+02	1.514E+01	2.448E-04	0.000E+00	0.000E+00
Th-228	4.383E+02	2.043E+01	3.303E-04	0.000E+00	0.000E+00
Th-230	1.639E+03	7.638E+01	1.235E-03	0.000E+00	0.000E+00
Th-232	5.277E+02	2.460E+01	3.977E-04	0.000E+00	0.000E+00

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 *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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	3.345E+00	3.311E+00	3.458E+00	3.437E+00	4.129E-01	1.395E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.410E+01	2.396E+01	2.468E+01	2.447E+01	2.182E+00	1.845E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	3.634E+02	3.634E+02	3.664E+02	3.640E+02	3.233E+01	2.758E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.717E+01	1.269E+01	2.812E+01	2.796E+01	1.831E+00	8.606E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	4.590E+01	4.615E+01	4.619E+01	4.619E+01	4.133E+00	2.036E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.478E+01	1.486E+01	1.487E+01	1.487E+01	1.331E+00	6.558E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	5.086E+00	2.363E-01	3.821E-06	0.000E+00	0.000E+00
Ra-226	7.949E+00	3.693E-01	5.972E-06	0.000E+00	0.000E+00
Ra-228	2.119E+02	9.846E+00	1.592E-04	0.000E+00	0.000E+00
Th-228	2.468E+02	1.147E+01	1.855E-04	0.000E+00	0.000E+00
Th-230	1.636E+03	7.602E+01	1.229E-03	0.000E+00	0.000E+00
Th-232	5.269E+02	2.448E+01	3.959E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.434E+00	1.420E+00	1.479E+00	1.470E+00	1.767E-01	5.977E-02	0.000E+00	0.000E+00
Ra-226	0.000E+00	8.903E+00	8.869E+00	9.047E+00	8.994E+00	8.011E-01	6.794E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	2.355E+02	2.363E+02	2.340E+02	2.337E+02	2.071E+01	1.777E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.007E+01	7.159E+00	1.698E+01	1.695E+01	1.085E+00	5.093E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	4.568E+01	4.593E+01	4.597E+01	4.597E+01	4.114E+00	2.027E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.471E+01	1.479E+01	1.480E+01	1.480E+01	1.325E+00	6.528E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	8.563E-01	3.945E-02	6.378E-07	0.000E+00	0.000E+00
Ra-226	3.610E+00	1.663E-01	2.689E-06	0.000E+00	0.000E+00
Ra-228	1.976E+02	9.103E+00	1.472E-04	0.000E+00	0.000E+00
Th-228	1.977E+02	9.109E+00	1.473E-04	0.000E+00	0.000E+00
Th-230	1.628E+03	7.500E+01	1.213E-03	0.000E+00	0.000E+00
Th-232	5.244E+02	2.416E+01	3.906E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	2.416E-01	2.372E-01	2.530E-01	2.524E-01	3.013E-02	1.011E-02	0.000E+00	0.000E+00
Ra-226	0.000E+00	3.993E+00	3.992E+00	3.998E+00	3.997E+00	3.552E-01	3.030E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	2.176E+02	2.184E+02	2.155E+02	2.155E+02	1.909E+01	1.640E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	8.405E+00	5.715E+00	1.474E+01	1.474E+01	9.210E-01	4.306E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	4.507E+01	4.532E+01	4.535E+01	4.535E+01	4.059E+00	2.000E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.452E+01	1.460E+01	1.461E+01	1.461E+01	1.307E+00	6.441E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	6.320E-01	2.823E-02	4.565E-07	0.000E+00	0.000E+00
Ra-226	3.470E+00	1.550E-01	2.507E-06	0.000E+00	0.000E+00
Ra-228	1.944E+02	8.683E+00	1.404E-04	0.000E+00	0.000E+00
Th-228	1.944E+02	8.683E+00	1.404E-04	0.000E+00	0.000E+00
Th-230	1.601E+03	7.150E+01	1.156E-03	0.000E+00	0.000E+00
Th-232	5.159E+02	2.304E+01	3.726E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.736E-01	1.698E-01	1.831E-01	1.831E-01	2.178E-02	7.279E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	3.721E+00	3.721E+00	3.724E+00	3.723E+00	3.308E-01	2.823E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	2.075E+02	2.084E+02	2.056E+02	2.056E+02	1.821E+01	1.564E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	8.013E+00	5.448E+00	1.406E+01	1.406E+01	8.781E-01	4.106E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	4.296E+01	4.320E+01	4.324E+01	4.323E+01	3.869E+00	1.906E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.385E+01	1.392E+01	1.394E+01	1.393E+01	1.247E+00	6.144E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	6.021E-01	2.449E-02	3.959E-07	0.000E+00	0.000E+00
Ra-226	3.306E+00	1.345E-01	2.174E-06	0.000E+00	0.000E+00
Ra-228	1.855E+02	7.544E+00	1.220E-04	0.000E+00	0.000E+00
Th-228	1.855E+02	7.544E+00	1.220E-04	0.000E+00	0.000E+00
Th-230	1.525E+03	6.202E+01	1.003E-03	0.000E+00	0.000E+00
Th-232	4.924E+02	2.002E+01	3.238E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.506E-01	1.473E-01	1.588E-01	1.588E-01	1.889E-02	6.314E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	3.228E+00	3.227E+00	3.230E+00	3.230E+00	2.869E-01	2.449E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.803E+02	1.810E+02	1.786E+02	1.786E+02	1.582E+01	1.359E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	6.963E+00	4.734E+00	1.222E+01	1.222E+01	7.630E-01	3.568E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.726E+01	3.747E+01	3.750E+01	3.750E+01	3.356E+00	1.654E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.203E+01	1.210E+01	1.211E+01	1.211E+01	1.084E+00	5.339E-02	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	5.082E-01	1.355E-02	2.191E-07	0.000E+00	0.000E+00
Ra-226	2.790E+00	7.441E-02	1.203E-06	0.000E+00	0.000E+00
Ra-228	1.576E+02	4.201E+00	6.794E-05	0.000E+00	0.000E+00
Th-228	1.576E+02	4.201E+00	6.794E-05	0.000E+00	0.000E+00
Th-230	1.287E+03	3.432E+01	5.549E-04	0.000E+00	0.000E+00
Th-232	4.182E+02	1.115E+01	1.803E-04	0.000E+00	0.000E+00

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

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

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

Radio- Nuclide	Drinking Water	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	8.335E-02	8.151E-02	8.790E-02	8.790E-02	1.046E-02	3.494E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.786E+00	1.786E+00	1.787E+00	1.787E+00	1.588E-01	1.355E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.004E+02	1.008E+02	9.949E+01	9.948E+01	8.811E+00	7.570E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	3.878E+00	2.636E+00	6.803E+00	6.803E+00	4.249E-01	1.987E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	2.062E+01	2.074E+01	2.075E+01	2.075E+01	1.857E+00	9.151E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	6.701E+00	6.738E+00	6.744E+00	6.743E+00	6.034E-01	2.973E-02	0.000E+00	0.000E+00

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

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

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

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

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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	1.07E-03	6.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03
Ra-226	1.49E+00	5.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E+00
Ra-228	1.20E+01	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+01
Th-228	1.97E+01	3.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+01
Th-230	1.76E-02	9.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-01
Th-232	2.93E-03	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	3.32E+01	2.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E+01

0*Sum of all water independent and dependent pathways.

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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	9.62E-04	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-03
Ra-226	1.24E+00	4.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+00
Ra-228	1.01E+01	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E+01
Th-228	1.87E+01	3.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E+01
Th-230	1.76E-02	9.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-01
Th-232	2.93E-03	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	3.01E+01	2.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E+01

0*Sum of all water independent and dependent pathways.

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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	7.67E-04	4.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
Ra-226	8.86E-01	3.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-01
Ra-228	7.65E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E+00
Th-228	1.57E+01	2.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E+01
Th-230	1.76E-02	9.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-01
Th-232	2.93E-03	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	2.43E+01	2.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E+01

0*Sum of all water independent and dependent pathways.

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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	3.29E-04	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
Ra-226	3.38E-01	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-01
Ra-228	5.23E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E+00
Th-228	9.06E+00	1.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E+00
Th-230	1.75E-02	9.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-01
Th-232	2.92E-03	1.55E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-01
===== Total	1.46E+01	2.66E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E+01

0*Sum of all water independent and dependent pathways.

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

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	5.74E-05	3.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04
Ra-226	1.60E-01	5.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-01
Ra-228	4.89E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E+00
Th-228	7.38E+00	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E+00
Th-230	1.74E-02	9.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-01
Th-232	2.89E-03	1.53E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	1.24E+01	2.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E+01

0*Sum of all water independent and dependent pathways.

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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	4.26E-05	2.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04
Ra-226	1.51E-01	5.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-01
Ra-228	4.69E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E+00
Th-228	7.08E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E+00
Th-230	1.68E-02	9.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-01
Th-232	2.81E-03	1.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	1.19E+01	2.48E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E+01

0*Sum of all water independent and dependent pathways.

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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	3.89E-05	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04
Ra-226	1.33E-01	4.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-01
Ra-228	4.16E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E+00
Th-228	6.28E+00	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E+00
Th-230	1.52E-02	7.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-01
Th-232	2.57E-03	1.27E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-01
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	1.06E+01	2.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+01

0*Sum of all water independent and dependent pathways.

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

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	2.63E-05	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05
Ra-226	7.81E-02	2.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-02
Ra-228	2.46E+00	8.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E+00
Th-228	3.69E+00	5.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E+00
Th-230	9.90E-03	4.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-02
Th-232	1.78E-03	7.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-02
====	====	====	====	====	====	====	====	====	====	====	====	====	====	====	====
Total	6.24E+00	1.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E+00

0*Sum of all water independent and dependent pathways.

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Probabilistic Input

0Number of Sample Runs: 1500

Number	Name	Distribution	Parameters			
1	DCACTC (6)	BOUNDED LOGNORMAL-N	11	1	3200	89000
2	DCACTU1 (6)	LOGNORMAL-N	8.68	3.62		
3	DCACTU2 (6)	LOGNORMAL-N	8.68	3.62		
4	DCACTS (6)	LOGNORMAL-N	8.68	3.62		
5	DCACTC (4)	BOUNDED LOGNORMAL-N	11	1	3200	89000
6	DCACTU1 (4)	LOGNORMAL-N	8.68	3.62		
7	DCACTU2 (4)	LOGNORMAL-N	8.68	3.62		
8	DCACTS (4)	LOGNORMAL-N	8.68	3.62		
9	DCACTC (5)	BOUNDED LOGNORMAL-N	11	1	3200	89000
10	DCACTU1 (5)	LOGNORMAL-N	8.68	3.62		
11	DCACTU2 (5)	LOGNORMAL-N	8.68	3.62		
12	DCACTS (5)	LOGNORMAL-N	8.68	3.62		
13	DCACTU3 (4)	LOGNORMAL-N	8.68	3.62		
14	DCACTU3 (5)	LOGNORMAL-N	8.68	3.62		
15	DCACTU3 (6)	LOGNORMAL-N	8.68	3.62		
16	THICK0	TRIANGULAR	0	.001	.02	
17	H (1)	TRIANGULAR	1	1.52	2	
18	H (2)	BOUNDED LOGNORMAL-N	1.39	.25	3	5
19	H (3)	BOUNDED LOGNORMAL-N	2.9	.25	15.25	30.5
20	HCUZ (1)	BOUNDED LOGNORMAL-N	-4.08	.75	.0017	.17
21	HCUZ (2)	BOUNDED LOGNORMAL-N	7.6	.75	200	20000
22	HCUZ (3)	BOUNDED LOGNORMAL-N	-4.08	.75	.0017	.17
23	HCSZ	BOUNDED LOGNORMAL-N	2.3	2.11	.004	9250
24	EVAPTR	UNIFORM	.5	.75		
25	WIND	BOUNDED LOGNORMAL-N	1.445	.2419	1.4	13
26	RUNOFF	UNIFORM	.1	.8		
27	INHALR	TRIANGULAR	4380	8400	13100	
28	MLINH	CONTINUOUS LINEAR	8	0	0	
				.000008	.0151	
				.000016	.1365	
				.00003	.8119	
				.00004	.9495	
				.00006	.9937	
				.000076	.9983	
				.0001	1	
29	FOTD	TRIANGULAR	0	.0285	.057	
30	SOIL	TRIANGULAR	0	18.3	36.5	
31	FR9	TRIANGULAR	0	.39	1	
32	DM	TRIANGULAR	0	.15	.6	
33	AREA	TRIANGULAR	0	57.3	5730	

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Probabilistic Total Dose Summary											
0Nuclide	Peak	Peak	DOSE(j,t), mrem/yr								
(j)	Time	Dose	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210											
Min	0.00E+00	3.40E-06		3.40E-06	1.27E-12	1.74E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	7.34E-02		7.34E-02	5.39E-02	2.91E-02	1.30E-02	5.03E-03	1.79E-04	1.29E-08	8.35E-23
Avg	0.00E+00	2.62E-03		2.62E-03	2.26E-03	1.72E-03	7.76E-04	1.27E-04	1.08E-06	2.79E-11	1.12E-25
Std	0.00E+00	3.55E-03		3.55E-03	2.98E-03	2.23E-03	1.13E-03	2.80E-04	6.34E-06	3.97E-10	2.56E-24
Ra-226											
Min	0.00E+00	1.02E-03		1.02E-03	7.36E-13	1.90E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	3.90E+00		3.90E+00	3.77E+00	3.53E+00	2.80E+00	1.66E+00	3.11E-01	3.60E-03	2.53E-09
Avg	0.00E+00	1.12E+00		1.12E+00	9.63E-01	7.46E-01	3.68E-01	8.75E-02	3.83E-03	1.17E-05	2.25E-12
Std	0.00E+00	7.75E-01		7.75E-01	7.39E-01	6.60E-01	4.46E-01	1.80E-01	1.95E-02	1.52E-04	6.76E-11
Ra-228											
Min	0.00E+00	1.18E-02		1.18E-02	2.36E-03	9.75E-04	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.25E+00	4.52E+01		3.73E+01	4.34E+01	4.42E+01	2.14E+01	1.20E+00	4.98E-05	2.14E-17	0.00E+00
Avg	8.40E-01	1.18E+01		1.07E+01	1.15E+01	1.02E+01	3.36E+00	7.42E-02	6.46E-07	7.02E-20	0.00E+00
Std	7.14E-01	8.53E+00		7.42E+00	8.54E+00	8.41E+00	3.56E+00	1.39E-01	3.18E-06	9.03E-19	0.00E+00
Th-228											
Min	0.00E+00	6.30E-02		6.30E-02	4.38E-02	2.11E-02	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	4.11E+01		4.11E+01	2.86E+01	1.38E+01	1.09E+00	7.72E-04	7.34E-15	0.00E+00	0.00E+00
Avg	0.00E+00	1.24E+01		1.24E+01	8.63E+00	4.17E+00	3.28E-01	2.30E-04	2.09E-15	0.00E+00	0.00E+00
Std	0.00E+00	8.11E+00		8.11E+00	5.64E+00	2.73E+00	2.16E-01	1.54E-04	1.47E-15	0.00E+00	0.00E+00
Th-230											
Min	0.00E+00	7.41E-04		2.23E-04	3.25E-04	4.83E-04	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.36E+02	2.97E+00		8.71E-01	8.80E-01	8.89E-01	9.19E-01	1.75E+00	2.81E+00	2.90E+00	2.36E+00
Avg	3.94E+01	2.74E-01		4.88E-02	6.91E-02	1.02E-01	1.74E-01	2.45E-01	2.66E-01	2.39E-01	1.59E-01
Std	3.36E+01	3.20E-01		4.93E-02	5.94E-02	8.16E-02	1.49E-01	2.48E-01	3.16E-01	3.07E-01	2.48E-01
Th-232											
Min	1.66E+00	2.02E-03		1.69E-03	1.95E-03	2.00E-03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.01E+01	6.29E+01		2.31E+00	7.12E+00	1.79E+01	4.58E+01	6.24E+01	6.23E+01	5.98E+01	5.10E+01
Avg	2.43E+01	1.21E+01		6.74E-01	2.03E+00	4.68E+00	1.01E+01	1.20E+01	1.15E+01	1.01E+01	6.48E+00
Std	9.13E+00	1.08E+01		4.59E-01	1.43E+00	3.50E+00	8.43E+00	1.08E+01	1.06E+01	1.00E+01	7.99E+00
\$ALL											
Min	0.00E+00	1.27E-01		1.27E-01	1.16E-01	5.94E-02	3.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	8.44E+01		8.44E+01	8.27E+01	7.97E+01	7.18E+01	6.65E+01	6.48E+01	6.21E+01	5.30E+01
Avg	0.00E+00	2.50E+01		2.50E+01	2.32E+01	1.99E+01	1.43E+01	1.24E+01	1.18E+01	1.04E+01	6.64E+00
Std	0.00E+00	1.68E+01		1.68E+01	1.63E+01	1.53E+01	1.27E+01	1.13E+01	1.09E+01	1.03E+01	8.22E+00

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\$ALL is total dose summed for all nuclides.

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	2.35E-10	3.30E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.22E-06	8.96E-07	4.84E-07	2.00E-07	7.70E-08	2.73E-09	1.97E-13	1.40E-27	
Avg	4.66E-08	3.98E-08	3.02E-08	1.35E-08	2.19E-09	1.85E-11	4.64E-16	1.76E-30	
Std	5.69E-08	4.77E-08	3.56E-08	1.81E-08	4.49E-09	1.00E-10	6.21E-15	0.00E+00	
Ra-226									
Min	1.40E-07	3.45E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	9.11E-05	8.71E-05	8.16E-05	6.48E-05	3.80E-05	7.10E-06	8.27E-08	5.79E-14	
Avg	2.75E-05	2.35E-05	1.80E-05	8.74E-06	2.05E-06	8.84E-08	2.69E-10	5.16E-17	
Std	1.80E-05	1.72E-05	1.54E-05	1.04E-05	4.18E-06	4.47E-07	3.50E-09	1.55E-15	
Ra-228									
Min	1.15E-06	6.67E-08	2.76E-08	1.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	7.41E-04	9.40E-04	1.03E-03	5.22E-04	2.94E-05	1.22E-09	5.24E-22	0.00E+00	
Avg	2.24E-04	2.58E-04	2.45E-04	8.41E-05	1.86E-06	1.60E-11	1.72E-24	0.00E+00	
Std	1.46E-04	1.86E-04	1.97E-04	8.77E-05	3.43E-06	7.83E-11	2.21E-23	0.00E+00	
Th-228									
Min	1.72E-06	1.20E-06	5.78E-07	4.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.12E-03	7.80E-04	3.78E-04	2.98E-05	2.11E-08	2.00E-19	0.00E+00	0.00E+00	
Avg	3.39E-04	2.36E-04	1.14E-04	8.97E-06	6.28E-09	5.72E-20	0.00E+00	0.00E+00	
Std	2.21E-04	1.54E-04	7.46E-05	5.90E-06	4.20E-09	4.02E-20	0.00E+00	0.00E+00	
Th-230									
Min	2.25E-09	4.78E-09	8.69E-09	4.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	5.03E-06	5.30E-06	6.44E-06	1.60E-05	3.46E-05	5.91E-05	6.15E-05	5.00E-05	
Avg	3.99E-07	8.98E-07	1.70E-06	3.42E-06	5.10E-06	5.63E-06	5.08E-06	3.41E-06	
Std	3.13E-07	6.13E-07	1.23E-06	2.91E-06	5.30E-06	6.92E-06	6.74E-06	5.45E-06	
Th-232									
Min	5.23E-10	3.27E-08	3.76E-08	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.81E-06	1.03E-04	3.46E-04	1.01E-03	1.42E-03	1.42E-03	1.37E-03	1.16E-03	
Avg	9.36E-08	2.96E-05	9.16E-05	2.25E-04	2.73E-04	2.62E-04	2.31E-04	1.48E-04	
Std	9.38E-08	2.04E-05	6.78E-05	1.87E-04	2.45E-04	2.42E-04	2.28E-04	1.82E-04	
\$ALL									
Min	3.01E-06	2.78E-06	1.66E-06	9.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.96E-03	1.90E-03	1.83E-03	1.65E-03	1.52E-03	1.48E-03	1.42E-03	1.21E-03	
Avg	5.91E-04	5.48E-04	4.71E-04	3.30E-04	2.82E-04	2.68E-04	2.36E-04	1.51E-04	
Std	3.86E-04	3.78E-04	3.55E-04	2.92E-04	2.57E-04	2.49E-04	2.35E-04	1.87E-04	

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\$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	1.81E-06	6.74E-13	9.30E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.67E-03	2.53E-03	2.27E-03	1.56E-03	5.30E-04	1.84E-05	1.57E-09	2.87E-23	
Avg	8.82E-04	7.60E-04	5.82E-04	2.66E-04	4.48E-05	3.92E-07	8.35E-12	3.42E-26	
Std	5.24E-04	4.97E-04	4.38E-04	2.69E-04	7.25E-05	1.45E-06	7.59E-11	9.67E-25	
Ra-226									
Min	1.02E-03	7.29E-13	1.01E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.90E+00	3.77E+00	3.53E+00	2.80E+00	1.64E+00	3.06E-01	3.59E-03	2.52E-09	
Avg	1.12E+00	9.62E-01	7.45E-01	3.67E-01	8.72E-02	3.81E-03	1.17E-05	2.24E-12	
Std	7.74E-01	7.38E-01	6.59E-01	4.45E-01	1.80E-01	1.93E-02	1.51E-04	6.73E-11	
Ra-228									
Min	1.18E-02	2.36E-03	9.75E-04	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.73E+01	4.34E+01	4.42E+01	2.14E+01	1.20E+00	4.96E-05	2.14E-17	0.00E+00	
Avg	1.07E+01	1.15E+01	1.02E+01	3.36E+00	7.41E-02	6.46E-07	7.01E-20	0.00E+00	
Std	7.41E+00	8.53E+00	8.41E+00	3.56E+00	1.38E-01	3.18E-06	9.02E-19	0.00E+00	
Th-228									
Min	6.30E-02	4.38E-02	2.11E-02	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.10E+01	2.85E+01	1.38E+01	1.09E+00	7.71E-04	7.33E-15	0.00E+00	0.00E+00	0.00E+00
Avg	1.24E+01	8.62E+00	4.17E+00	3.28E-01	2.30E-04	2.09E-15	0.00E+00	0.00E+00	0.00E+00
Std	8.10E+00	5.64E+00	2.73E+00	2.16E-01	1.54E-04	1.47E-15	0.00E+00	0.00E+00	0.00E+00
Th-230									
Min	1.48E-04	2.50E-04	3.59E-04	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.96E-02	1.55E-01	2.98E-01	7.32E-01	1.54E+00	2.54E+00	2.64E+00	2.15E+00	
Avg	2.49E-02	4.52E-02	7.84E-02	1.50E-01	2.21E-01	2.44E-01	2.20E-01	1.48E-01	
Std	1.55E-02	3.03E-02	5.74E-02	1.30E-01	2.33E-01	3.02E-01	2.94E-01	2.38E-01	
Th-232									
Min	1.23E-03	1.52E-03	1.63E-03	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.17E+00	7.08E+00	1.79E+01	4.57E+01	6.23E+01	6.23E+01	5.98E+01	5.09E+01	
Avg	6.35E-01	1.98E+00	4.64E+00	1.00E+01	1.20E+01	1.15E+01	1.01E+01	6.46E+00	
Std	4.31E-01	1.40E+00	3.48E+00	8.40E+00	1.07E+01	1.06E+01	9.99E+00	7.97E+00	
\$ALL									
Min	1.27E-01	1.16E-01	5.88E-02	3.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.41E+01	8.26E+01	7.96E+01	7.17E+01	6.64E+01	6.47E+01	6.21E+01	5.29E+01	
Avg	2.49E+01	2.31E+01	1.99E+01	1.42E+01	1.23E+01	1.17E+01	1.03E+01	6.61E+00	
Std	1.67E+01	1.63E+01	1.53E+01	1.26E+01	1.12E+01	1.09E+01	1.03E+01	8.19E+00	

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pb-210									
Min	1.83E-10	2.20E-15	3.04E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.34E-04	9.85E-05	7.95E-05	4.97E-05	1.91E-05	6.79E-07	4.89E-11	1.51E-25	
Avg	6.49E-06	5.67E-06	4.43E-06	2.10E-06	3.69E-07	3.37E-09	8.75E-14	2.73E-28	
Std	1.11E-05	9.73E-06	7.80E-06	4.19E-06	1.00E-06	2.16E-08	1.36E-12	0.00E+00	
Ra-226									
Min	1.49E-10	2.64E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.09E-04	8.61E-05	8.72E-05	9.25E-05	9.07E-05	2.52E-05	2.20E-07	3.15E-14	
Avg	5.47E-06	5.13E-06	4.61E-06	3.32E-06	1.35E-06	9.17E-08	3.35E-10	3.51E-17	
Std	9.33E-06	8.86E-06	8.27E-06	7.00E-06	4.15E-06	7.57E-07	6.09E-09	8.92E-16	
Ra-228									
Min	1.50E-08	2.90E-08	2.86E-08	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.10E-02	2.12E-02	2.48E-02	1.30E-02	8.09E-04	3.35E-08	1.01E-20	0.00E+00	
Avg	5.32E-04	1.14E-03	1.44E-03	5.83E-04	1.33E-05	1.18E-10	1.52E-23	0.00E+00	
Std	9.06E-04	1.96E-03	2.50E-03	1.12E-03	3.86E-05	1.00E-09	2.78E-22	0.00E+00	
Th-228									
Min	8.49E-08	5.90E-08	2.85E-08	2.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	6.25E-02	4.35E-02	2.10E-02	1.65E-03	1.14E-06	1.00E-17	0.00E+00	0.00E+00	
Avg	2.80E-03	1.94E-03	9.40E-04	7.40E-05	5.18E-08	4.72E-19	0.00E+00	0.00E+00	
Std	4.75E-03	3.30E-03	1.60E-03	1.26E-04	8.82E-08	8.09E-19	0.00E+00	0.00E+00	
Th-230									
Min	2.97E-07	2.97E-07	2.96E-07	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	2.19E-01	2.18E-01	2.17E-01	2.15E-01	2.07E-01	1.80E-01	1.25E-01	9.12E-02	
Avg	9.78E-03	9.77E-03	9.75E-03	9.69E-03	9.52E-03	8.95E-03	7.59E-03	4.40E-03	
Std	1.66E-02	1.66E-02	1.66E-02	1.65E-02	1.62E-02	1.53E-02	1.33E-02	8.87E-03	
Th-232									
Min	4.82E-07	4.83E-07	4.89E-07	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	3.55E-01	3.56E-01	3.61E-01	3.66E-01	3.59E-01	3.28E-01	2.47E-01	1.74E-01	
Avg	1.59E-02	1.60E-02	1.63E-02	1.70E-02	1.71E-02	1.61E-02	1.37E-02	8.07E-03	
Std	2.70E-02	2.71E-02	2.76E-02	2.89E-02	2.90E-02	2.75E-02	2.42E-02	1.62E-02	
\$ALL									
Min	8.79E-07	8.68E-07	8.42E-07	7.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	6.47E-01	6.40E-01	6.20E-01	5.86E-01	5.65E-01	5.08E-01	3.66E-01	2.65E-01	
Avg	2.90E-02	2.88E-02	2.84E-02	2.74E-02	2.66E-02	2.51E-02	2.13E-02	1.25E-02	
Std	4.92E-02	4.90E-02	4.82E-02	4.65E-02	4.53E-02	4.28E-02	3.73E-02	2.49E-02	

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Radon (Water Ind.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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

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\$ALL is total pathway dose summed for all nuclides.

0Nuclide (j)	Probabilistic Dose vs Pathway(i): Plant (Water Ind.)								
	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

0Nuclide (j)	Probabilistic Dose vs Pathway(i): Meat (Water Ind.)								
	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$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

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Soil Ingestion									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pb-210									
Min	1.58E-06	5.89E-13	8.12E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.27E-02	5.34E-02	2.88E-02	1.17E-02	4.49E-03	1.59E-04	1.15E-08	5.47E-23	
Avg	1.73E-03	1.49E-03	1.14E-03	5.08E-04	8.19E-05	6.88E-07	1.95E-11	7.77E-26	
Std	3.35E-03	2.77E-03	2.02E-03	9.73E-04	2.33E-04	5.33E-06	3.38E-10	1.67E-24	
Ra-226									
Min	4.57E-07	6.74E-15	8.86E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	3.04E-02	2.40E-02	1.45E-02	1.55E-02	1.75E-02	5.20E-03	4.60E-05	1.04E-11	
Avg	7.49E-04	7.38E-04	7.10E-04	5.72E-04	2.46E-04	1.67E-05	7.03E-08	9.89E-15	
Std	1.43E-03	1.34E-03	1.25E-03	1.17E-03	8.06E-04	1.66E-04	1.34E-06	2.79E-13	
Ra-228									
Min	8.24E-06	7.62E-07	3.15E-07	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	4.62E-01	3.35E-01	1.73E-01	4.97E-02	2.92E-03	1.21E-07	3.63E-20	0.00E+00	
Avg	1.13E-02	9.98E-03	7.38E-03	1.99E-03	4.02E-05	3.60E-10	5.51E-23	0.00E+00	
Std	2.17E-02	1.83E-02	1.30E-02	3.89E-03	1.33E-04	3.83E-09	1.06E-21	0.00E+00	
Th-228									
Min	2.07E-05	1.44E-05	6.95E-06	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	2.54E-01	1.76E-01	8.52E-02	6.68E-03	4.63E-06	4.06E-17	0.00E+00	0.00E+00	
Avg	5.63E-03	3.91E-03	1.89E-03	1.49E-04	1.04E-07	9.37E-19	0.00E+00	0.00E+00	
Std	1.11E-02	7.74E-03	3.74E-03	2.94E-04	2.04E-07	1.82E-18	0.00E+00	0.00E+00	
Th-230									
Min	5.20E-05	5.20E-05	5.19E-05	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	6.37E-01	6.36E-01	6.34E-01	6.27E-01	6.04E-01	5.27E-01	3.48E-01	1.27E-01	
Avg	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.40E-02	1.31E-02	1.09E-02	5.78E-03	
Std	2.80E-02	2.80E-02	2.79E-02	2.78E-02	2.73E-02	2.52E-02	1.99E-02	1.10E-02	
Th-232									
Min	8.59E-05	9.05E-05	9.77E-05	7.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	1.05E+00	1.10E+00	1.15E+00	1.20E+00	1.17E+00	1.07E+00	8.10E-01	3.03E-01	
Avg	2.34E-02	2.46E-02	2.66E-02	3.00E-02	3.06E-02	2.86E-02	2.39E-02	1.31E-02	
Std	4.62E-02	4.85E-02	5.19E-02	5.68E-02	5.72E-02	5.29E-02	4.40E-02	2.56E-02	
\$ALL									
Min	2.10E-04	2.02E-04	1.89E-04	1.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Max	2.51E+00	2.32E+00	2.09E+00	1.85E+00	1.78E+00	1.60E+00	1.16E+00	4.30E-01	
Avg	5.69E-02	5.49E-02	5.19E-02	4.73E-02	4.49E-02	4.18E-02	3.48E-02	1.89E-02	
Std	1.12E-01	1.06E-01	9.88E-02	8.93E-02	8.49E-02	7.79E-02	6.35E-02	3.63E-02	

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\$ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Water Ingestion									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
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
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$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	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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\$ALL is total pathway dose summed for all nuclides.

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	2.511E+01
2	0.000E+00	2.492E+01
3	0.000E+00	2.498E+01
4	0.000E+00	2.499E+01
5	0.000E+00	2.495E+01

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	-0.02	11	-0.03	9	0.08	5	0.08
Kd of Th-230 in Unsaturated Zone 1	12	-0.06	15	-0.03	29	-0.01	28	0.00
Kd of Th-230 in Unsaturated Zone 2	28	0.02	26	0.01	13	-0.06	12	-0.03
Kd of Th-230 in Saturated Zone	20	-0.04	13	-0.03	17	0.06	14	0.03
Kd of Th-228 in Contaminated Zone	26	0.02	7	0.04	7	-0.09	4	-0.14
Kd of Th-228 in Unsaturated Zone 1	22	0.03	25	0.01	11	0.07	11	0.03
Kd of Th-228 in Unsaturated Zone 2	32	0.00	32	0.00	27	0.01	27	0.01
Kd of Th-228 in Saturated Zone	16	-0.04	6	-0.04	23	-0.04	6	-0.06
Kd of Th-230 in Contaminated Zone	21	-0.03	5	-0.05	21	0.05	7	0.05
Kd of Th-230 in Unsaturated Zone 1	7	-0.09	10	-0.04	31	0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	17	-0.04	22	-0.02	30	-0.01	29	0.00
Kd of Th-230 in Saturated Zone	25	0.02	21	0.02	6	0.10	8	0.05
Kd of Th-228 in Unsaturated Zone 3	14	-0.04	20	-0.02	33	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 3	29	-0.02	29	-0.01	4	0.12	9	0.04
Kd of Th-232 in Unsaturated Zone 3	15	-0.04	19	-0.02	26	0.02	26	0.01
Thickness of contaminated zone	2	0.61	2	0.60	2	0.80	1	0.94
Thickness of Unsaturated zone 1	23	0.03	27	0.01	10	0.07	15	0.02
Thickness of Unsaturated zone 2	24	-0.02	28	-0.01	24	0.03	24	0.01
Thickness of Unsaturated zone 3	10	0.06	16	0.03	15	0.06	18	0.02
Hydraulic Conductivity of Unsaturated zone 1	3	-0.14	4	-0.06	14	-0.06	17	-0.02
Hydraulic Conductivity of Unsaturated zone 2	8	-0.07	12	-0.03	22	0.05	23	0.02
Hydraulic Conductivity of Unsaturated zone 3	9	-0.06	14	-0.03	16	0.06	19	0.02
Saturated zone hydraulic conductivity	31	0.01	30	0.01	19	0.05	21	0.02
Evapotranspiration coefficient	30	0.01	31	0.00	20	0.05	22	0.02
Wind Speed	6	0.09	9	0.04	25	0.03	25	0.01
Runoff coefficient	5	0.10	8	0.04	8	0.09	13	0.03
Inhalation rate	18	0.04	23	0.01	28	0.01	31	0.00
Mass loading for inhalation	11	0.06	17	0.02	18	-0.06	20	-0.02
Outdoor time fraction	1	0.84	1	0.64	1	0.87	2	0.58
Soil ingestion	13	-0.05	18	-0.02	5	-0.11	10	-0.04
Aquatic food	33	0.00	33	0.00	32	0.00	32	0.00
Depth of soil mixing layer	19	-0.04	24	-0.01	12	-0.06	16	-0.02
Area of contaminated zone	4	-0.10	3	-0.08	3	0.31	3	0.23
R-SQUARE		0.84		0.84		0.89		0.89

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	18	-0.03	5	-0.05	27	0.01	15	0.01
Kd of Th-230 in Unsaturated Zone 1	23	0.02	23	0.01	9	-0.08	9	-0.03
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	30	0.00	13	-0.06	11	-0.03
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	6	-0.11	5	-0.05
Kd of Th-228 in Contaminated Zone	20	0.03	4	0.07	30	-0.01	21	-0.01
Kd of Th-228 in Unsaturated Zone 1	28	-0.01	28	0.00	21	0.02	19	0.01
Kd of Th-228 in Unsaturated Zone 2	15	-0.04	16	-0.02	24	-0.02	23	-0.01
Kd of Th-228 in Saturated Zone	7	0.08	10	0.04	12	0.06	4	0.08
Kd of Th-230 in Contaminated Zone	19	-0.03	6	-0.05	31	0.00	29	0.00
Kd of Th-230 in Unsaturated Zone 1	16	0.03	19	0.01	19	-0.03	18	-0.01
Kd of Th-230 in Unsaturated Zone 2	31	0.01	31	0.00	26	0.01	26	0.01
Kd of Th-230 in Saturated Zone	27	0.01	27	0.01	8	-0.09	6	-0.04
Kd of Th-228 in Unsaturated Zone 3	29	0.01	29	0.00	23	0.02	27	0.01
Kd of Th-230 in Unsaturated Zone 3	17	-0.03	20	-0.01	29	-0.01	31	0.00
Kd of Th-232 in Unsaturated Zone 3	12	0.05	15	0.02	33	0.00	33	0.00
Thickness of contaminated zone	2	0.66	1	0.65	2	0.83	1	0.95
Thickness of Unsaturated zone 1	8	0.07	11	0.03	14	0.05	14	0.01
Thickness of Unsaturated zone 2	13	-0.04	17	-0.02	32	0.00	32	0.00
Thickness of Unsaturated zone 3	24	0.02	24	0.01	10	0.07	12	0.02
Hydraulic Conductivity of Unsaturated zone 1	4	-0.10	7	-0.04	4	-0.14	7	-0.04
Hydraulic Conductivity of Unsaturated zone 2	26	-0.01	26	-0.01	25	-0.01	28	0.00
Hydraulic Conductivity of Unsaturated zone 3	25	0.02	25	0.01	28	-0.01	30	0.00
Saturated zone hydraulic conductivity	9	-0.06	12	-0.02	15	0.04	16	0.01
Evapotranspiration coefficient	5	0.10	8	0.04	7	0.10	10	0.03
Wind Speed	14	-0.04	18	-0.01	20	0.02	24	0.01
Runoff coefficient	11	0.05	14	0.02	5	0.13	8	0.04
Inhalation rate	6	0.09	9	0.04	11	0.07	13	0.02
Mass loading for inhalation	22	0.02	22	0.01	17	0.03	20	0.01
Outdoor time fraction	1	0.81	2	0.56	1	0.89	2	0.56
Soil ingestion	10	0.06	13	0.02	22	0.02	25	0.01
Aquatic food	21	-0.03	21	-0.01	16	0.04	17	0.01
Depth of soil mixing layer	32	0.00	32	0.00	18	0.03	22	0.01
Area of contaminated zone	3	-0.11	3	-0.08	3	0.29	3	0.19
R-SQUARE	0.84		0.84		0.92		0.92	

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

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

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	0.03	6	0.06	17	-0.03	7	-0.04
Kd of Th-230 in Unsaturated Zone 1	14	0.05	16	0.02	19	-0.03	16	-0.01
Kd of Th-230 in Unsaturated Zone 2	25	0.02	25	0.01	11	-0.06	11	-0.03
Kd of Th-230 in Saturated Zone	16	-0.04	18	-0.02	33	0.00	32	0.00
Kd of Th-228 in Contaminated Zone	19	-0.04	3	-0.09	22	0.02	6	0.04
Kd of Th-228 in Unsaturated Zone 1	18	-0.04	20	-0.02	20	0.03	18	0.01
Kd of Th-228 in Unsaturated Zone 2	26	0.02	26	0.01	21	-0.02	22	-0.01
Kd of Th-228 in Saturated Zone	31	0.01	30	0.01	13	0.05	4	0.07
Kd of Th-230 in Contaminated Zone	17	0.04	5	0.07	29	-0.01	20	-0.01
Kd of Th-230 in Unsaturated Zone 1	15	0.04	15	0.02	18	-0.03	17	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.00	32	0.00	27	-0.02	24	-0.01
Kd of Th-230 in Saturated Zone	6	-0.06	10	-0.03	10	-0.07	8	-0.04
Kd of Th-228 in Unsaturated Zone 3	28	0.02	28	0.01	26	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 3	33	0.00	33	0.00	14	-0.04	19	-0.01
Kd of Th-232 in Unsaturated Zone 3	23	-0.03	23	-0.01	30	-0.01	30	0.00
Thickness of contaminated zone	2	0.63	1	0.64	2	0.79	1	0.94
Thickness of Unsaturated zone 1	22	0.03	22	0.01	24	0.02	26	0.01
Thickness of Unsaturated zone 2	7	0.06	11	0.03	6	0.09	10	0.03
Thickness of Unsaturated zone 3	30	-0.02	31	-0.01	16	0.03	23	0.01
Hydraulic Conductivity of Unsaturated zone 1	11	-0.05	14	-0.02	32	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	12	0.05	17	0.02	25	-0.02	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	-0.05	13	-0.02	7	-0.09	12	-0.03
Saturated zone hydraulic conductivity	29	0.02	29	0.01	28	-0.01	29	0.00
Evapotranspiration coefficient	21	0.03	21	0.01	9	0.08	14	0.03
Wind Speed	4	0.11	7	0.05	12	0.05	15	0.02
Runoff coefficient	3	0.16	4	0.07	4	0.21	5	0.07
Inhalation rate	24	0.03	24	0.01	23	-0.02	25	-0.01
Mass loading for inhalation	13	0.05	19	0.02	5	0.09	9	0.03
Outdoor time fraction	1	0.82	2	0.61	1	0.87	2	0.58
Soil ingestion	8	0.06	12	0.03	15	0.04	21	0.01
Aquatic food	27	-0.02	27	-0.01	31	-0.01	31	0.00
Depth of soil mixing layer	5	-0.10	8	-0.04	8	-0.08	13	-0.03
Area of contaminated zone	9	-0.05	9	-0.04	3	0.30	3	0.23
R-SQUARE	0.83		0.83		0.89		0.89	

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

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

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

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	28 -0.02	17 -0.03	14 -0.05	4 -0.06
Kd of Th-230 in Unsaturated Zone 1	27 -0.02	29 -0.01	30 0.01	31 0.00
Kd of Th-230 in Unsaturated Zone 2	22 0.03	25 0.01	22 0.04	17 0.02
Kd of Th-230 in Saturated Zone	7 -0.11	8 -0.04	21 0.04	18 0.02
Kd of Th-228 in Contaminated Zone	32 -0.01	22 -0.02	27 0.02	8 0.03
Kd of Th-228 in Unsaturated Zone 1	8 0.10	9 0.04	29 0.02	26 0.01
Kd of Th-228 in Unsaturated Zone 2	4 -0.16	5 -0.07	12 -0.06	11 -0.03
Kd of Th-228 in Saturated Zone	19 0.04	21 0.02	28 -0.02	10 -0.03
Kd of Th-230 in Contaminated Zone	25 0.03	7 0.05	31 0.01	29 0.01
Kd of Th-230 in Unsaturated Zone 1	3 -0.18	4 -0.08	32 0.00	32 0.00
Kd of Th-230 in Unsaturated Zone 2	26 -0.02	28 -0.01	9 -0.07	7 -0.04
Kd of Th-230 in Saturated Zone	18 -0.05	20 -0.02	13 0.05	13 0.03
Kd of Th-228 in Unsaturated Zone 3	30 0.01	31 0.01	23 -0.04	25 -0.01
Kd of Th-230 in Unsaturated Zone 3	14 -0.08	15 -0.03	6 0.09	9 0.03
Kd of Th-232 in Unsaturated Zone 3	23 0.03	26 0.01	24 0.03	27 0.01
Thickness of contaminated zone	2 0.63	1 0.63	2 0.79	1 0.95
Thickness of Unsaturated zone 1	33 0.00	33 0.00	17 -0.04	21 -0.01
Thickness of Unsaturated zone 2	24 -0.03	27 -0.01	25 0.03	28 0.01
Thickness of Unsaturated zone 3	17 0.06	18 0.02	11 0.06	16 0.02
Hydraulic Conductivity of Unsaturated zone 1	21 0.04	24 0.02	33 0.00	33 0.00
Hydraulic Conductivity of Unsaturated zone 2	9 0.10	10 0.04	26 -0.02	30 -0.01
Hydraulic Conductivity of Unsaturated zone 3	16 -0.06	19 -0.02	18 -0.04	22 -0.01
Saturated zone hydraulic conductivity	20 -0.04	23 -0.02	20 -0.04	24 -0.01
Evapotranspiration coefficient	15 0.08	16 0.03	7 0.08	12 0.03
Wind Speed	10 -0.09	11 -0.04	19 -0.04	23 -0.01
Runoff coefficient	12 0.09	12 0.04	5 0.14	6 0.05
Inhalation rate	5 0.15	6 0.06	4 0.16	5 0.05
Mass loading for inhalation	29 -0.02	30 -0.01	16 -0.05	20 -0.01
Outdoor time fraction	1 0.81	2 0.58	1 0.86	2 0.55
Soil ingestion	11 -0.09	13 -0.04	8 -0.07	14 -0.02
Aquatic food	13 -0.08	14 -0.03	10 -0.06	15 -0.02
Depth of soil mixing layer	31 0.01	32 0.01	15 0.05	19 0.02
Area of contaminated zone	6 -0.11	3 -0.08	3 0.28	3 0.22
R-SQUARE	0.84	0.84	0.89	0.89

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

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

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	13	0.03	6	0.06	14	0.06	8	0.08
Kd of Th-230 in Unsaturated Zone 1	14	0.03	14	0.01	10	0.08	11	0.05
Kd of Th-230 in Unsaturated Zone 2	29	0.00	29	0.00	5	0.13	9	0.07
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	33	0.00	32	0.00
Kd of Th-228 in Contaminated Zone	9	-0.04	4	-0.11	11	-0.08	5	-0.15
Kd of Th-228 in Unsaturated Zone 1	25	-0.01	25	-0.01	4	0.16	7	0.09
Kd of Th-228 in Unsaturated Zone 2	32	0.00	32	0.00	16	0.05	14	0.03
Kd of Th-228 in Saturated Zone	4	0.13	7	0.05	9	-0.09	4	-0.17
Kd of Th-230 in Contaminated Zone	8	0.05	5	0.09	8	0.09	6	0.11
Kd of Th-230 in Unsaturated Zone 1	24	-0.02	24	-0.01	12	0.07	12	0.04
Kd of Th-230 in Unsaturated Zone 2	5	0.12	8	0.05	6	0.12	10	0.07
Kd of Th-230 in Saturated Zone	19	0.02	18	0.01	18	0.05	15	0.03
Kd of Th-228 in Unsaturated Zone 3	26	-0.01	26	-0.01	29	-0.02	29	0.00
Kd of Th-230 in Unsaturated Zone 3	22	0.02	21	0.01	24	0.02	24	0.01
Kd of Th-232 in Unsaturated Zone 3	21	-0.02	22	-0.01	31	-0.01	31	0.00
Thickness of contaminated zone	2	0.61	1	0.60	2	0.81	1	0.96
Thickness of Unsaturated zone 1	31	0.00	31	0.00	23	0.03	23	0.01
Thickness of Unsaturated zone 2	11	0.04	12	0.02	32	0.00	33	0.00
Thickness of Unsaturated zone 3	20	-0.02	20	-0.01	17	-0.05	18	-0.01
Hydraulic Conductivity of Unsaturated zone 1	6	0.09	9	0.04	7	0.10	13	0.03
Hydraulic Conductivity of Unsaturated zone 2	15	0.03	15	0.01	27	0.02	27	0.01
Hydraulic Conductivity of Unsaturated zone 3	18	-0.02	19	-0.01	26	0.02	26	0.01
Saturated zone hydraulic conductivity	27	0.01	27	0.00	22	-0.03	22	-0.01
Evapotranspiration coefficient	10	0.04	11	0.02	25	-0.02	25	-0.01
Wind Speed	7	-0.08	10	-0.04	15	-0.06	17	-0.02
Runoff coefficient	16	0.03	16	0.01	30	0.01	30	0.00
Inhalation rate	12	-0.04	13	-0.02	19	-0.04	19	-0.01
Mass loading for inhalation	23	0.02	23	0.01	20	0.04	20	0.01
Outdoor time fraction	1	0.79	2	0.53	1	0.87	2	0.54
Soil ingestion	28	-0.01	28	0.00	13	-0.07	16	-0.02
Aquatic food	17	0.02	17	0.01	21	0.03	21	0.01
Depth of soil mixing layer	30	0.00	30	0.00	28	-0.02	28	-0.01
Area of contaminated zone	3	-0.17	3	-0.13	3	0.28	3	0.20
R-SQUARE		0.83		0.83		0.91		0.91

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	-0.02	11	-0.03	9	0.08	5	0.08
Kd of Th-230 in Unsaturated Zone 1	12	-0.06	15	-0.03	29	-0.01	28	0.00
Kd of Th-230 in Unsaturated Zone 2	28	0.02	26	0.01	14	-0.06	12	-0.03
Kd of Th-230 in Saturated Zone	20	-0.04	13	-0.03	17	0.06	14	0.03
Kd of Th-228 in Contaminated Zone	26	0.02	7	0.04	7	-0.09	4	-0.14
Kd of Th-228 in Unsaturated Zone 1	22	0.03	25	0.01	11	0.07	11	0.03
Kd of Th-228 in Unsaturated Zone 2	32	0.00	32	0.00	27	0.01	27	0.01
Kd of Th-228 in Saturated Zone	16	-0.04	6	-0.04	23	-0.04	6	-0.06
Kd of Th-230 in Contaminated Zone	21	-0.03	5	-0.05	21	0.05	7	0.05
Kd of Th-230 in Unsaturated Zone 1	7	-0.09	10	-0.04	31	0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	17	-0.04	22	-0.02	30	-0.01	29	0.00
Kd of Th-230 in Saturated Zone	25	0.02	21	0.02	6	0.10	8	0.05
Kd of Th-228 in Unsaturated Zone 3	14	-0.04	20	-0.02	33	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 3	29	-0.02	29	-0.01	4	0.12	9	0.04
Kd of Th-232 in Unsaturated Zone 3	15	-0.04	19	-0.02	26	0.02	26	0.01
Thickness of contaminated zone	2	0.61	2	0.60	2	0.80	1	0.94
Thickness of Unsaturated zone 1	23	0.03	27	0.01	10	0.07	15	0.02
Thickness of Unsaturated zone 2	24	-0.02	28	-0.01	24	0.03	24	0.01
Thickness of Unsaturated zone 3	10	0.06	16	0.03	15	0.06	18	0.02
Hydraulic Conductivity of Unsaturated zone 1	3	-0.14	4	-0.06	13	-0.06	17	-0.02
Hydraulic Conductivity of Unsaturated zone 2	8	-0.07	12	-0.03	22	0.05	23	0.02
Hydraulic Conductivity of Unsaturated zone 3	9	-0.06	14	-0.03	16	0.06	19	0.02
Saturated zone hydraulic conductivity	31	0.01	30	0.01	19	0.05	21	0.02
Evapotranspiration coefficient	30	0.01	31	0.00	20	0.05	22	0.02
Wind Speed	6	0.09	9	0.04	25	0.03	25	0.01
Runoff coefficient	5	0.10	8	0.04	8	0.08	13	0.03
Inhalation rate	18	0.04	23	0.01	28	0.01	31	0.00
Mass loading for inhalation	11	0.06	17	0.02	18	-0.06	20	-0.02
Outdoor time fraction	1	0.84	1	0.64	1	0.87	2	0.58
Soil ingestion	13	-0.05	18	-0.02	5	-0.11	10	-0.04
Aquatic food	33	0.00	33	0.00	32	0.00	32	0.00
Depth of soil mixing layer	19	-0.04	24	-0.01	12	-0.06	16	-0.02
Area of contaminated zone	4	-0.10	3	-0.08	3	0.31	3	0.23
R-SQUARE		0.84		0.84		0.89		0.89

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	18	-0.03	5	-0.05	27	0.01	15	0.01
Kd of Th-230 in Unsaturated Zone 1	23	0.02	23	0.01	9	-0.08	9	-0.03
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	30	0.00	13	-0.06	11	-0.03
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	6	-0.11	5	-0.05
Kd of Th-228 in Contaminated Zone	20	0.03	4	0.07	30	-0.01	21	-0.01
Kd of Th-228 in Unsaturated Zone 1	28	-0.01	28	0.00	21	0.02	19	0.01
Kd of Th-228 in Unsaturated Zone 2	15	-0.04	16	-0.02	24	-0.02	23	-0.01
Kd of Th-228 in Saturated Zone	7	0.08	10	0.04	12	0.06	4	0.08
Kd of Th-230 in Contaminated Zone	19	-0.03	6	-0.05	31	0.00	29	0.00
Kd of Th-230 in Unsaturated Zone 1	16	0.03	19	0.01	19	-0.03	18	-0.01
Kd of Th-230 in Unsaturated Zone 2	31	0.01	31	0.00	26	0.01	26	0.01
Kd of Th-230 in Saturated Zone	27	0.01	27	0.01	8	-0.09	6	-0.04
Kd of Th-228 in Unsaturated Zone 3	29	0.01	29	0.00	23	0.02	27	0.01
Kd of Th-230 in Unsaturated Zone 3	17	-0.03	20	-0.01	29	-0.01	31	0.00
Kd of Th-232 in Unsaturated Zone 3	12	0.05	15	0.02	33	0.00	33	0.00
Thickness of contaminated zone	2	0.66	1	0.65	2	0.83	1	0.95
Thickness of Unsaturated zone 1	8	0.07	11	0.03	14	0.05	14	0.01
Thickness of Unsaturated zone 2	13	-0.04	17	-0.02	32	0.00	32	0.00
Thickness of Unsaturated zone 3	24	0.02	24	0.01	10	0.07	12	0.02
Hydraulic Conductivity of Unsaturated zone 1	4	-0.10	7	-0.04	4	-0.14	7	-0.04
Hydraulic Conductivity of Unsaturated zone 2	26	-0.01	26	-0.01	25	-0.01	28	0.00
Hydraulic Conductivity of Unsaturated zone 3	25	0.02	25	0.01	28	-0.01	30	0.00
Saturated zone hydraulic conductivity	9	-0.06	12	-0.02	15	0.04	16	0.01
Evapotranspiration coefficient	5	0.10	8	0.04	7	0.10	10	0.03
Wind Speed	14	-0.04	18	-0.01	20	0.02	24	0.01
Runoff coefficient	11	0.05	14	0.02	5	0.13	8	0.04
Inhalation rate	6	0.09	9	0.04	11	0.07	13	0.02
Mass loading for inhalation	22	0.02	22	0.01	17	0.03	20	0.01
Outdoor time fraction	1	0.81	2	0.56	1	0.89	2	0.56
Soil ingestion	10	0.06	13	0.02	22	0.02	25	0.01
Aquatic food	21	-0.03	21	-0.01	16	0.04	17	0.01
Depth of soil mixing layer	32	0.00	32	0.00	18	0.03	22	0.01
Area of contaminated zone	3	-0.11	3	-0.08	3	0.29	3	0.19
R-SQUARE	0.84		0.84		0.92		0.92	

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	0.03	6	0.06	17	-0.03	7	-0.04
Kd of Th-230 in Unsaturated Zone 1	14	0.05	16	0.02	19	-0.03	16	-0.01
Kd of Th-230 in Unsaturated Zone 2	25	0.02	25	0.01	11	-0.06	11	-0.03
Kd of Th-230 in Saturated Zone	16	-0.04	18	-0.02	33	0.00	32	0.00
Kd of Th-228 in Contaminated Zone	19	-0.04	3	-0.09	22	0.02	6	0.04
Kd of Th-228 in Unsaturated Zone 1	18	-0.04	20	-0.02	20	0.03	18	0.01
Kd of Th-228 in Unsaturated Zone 2	26	0.02	26	0.01	21	-0.02	22	-0.01
Kd of Th-228 in Saturated Zone	31	0.01	30	0.01	13	0.05	4	0.07
Kd of Th-230 in Contaminated Zone	17	0.04	5	0.07	29	-0.01	21	-0.01
Kd of Th-230 in Unsaturated Zone 1	15	0.04	15	0.02	18	-0.03	17	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.01	32	0.00	27	-0.02	24	-0.01
Kd of Th-230 in Saturated Zone	6	-0.06	10	-0.03	10	-0.07	8	-0.03
Kd of Th-228 in Unsaturated Zone 3	28	0.02	28	0.01	26	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 3	33	0.00	33	0.00	14	-0.04	19	-0.01
Kd of Th-232 in Unsaturated Zone 3	23	-0.03	23	-0.01	30	-0.01	30	0.00
Thickness of contaminated zone	2	0.63	1	0.64	2	0.79	1	0.94
Thickness of Unsaturated zone 1	22	0.03	22	0.01	24	0.02	26	0.01
Thickness of Unsaturated zone 2	7	0.06	11	0.03	6	0.09	10	0.03
Thickness of Unsaturated zone 3	30	-0.02	31	-0.01	16	0.03	23	0.01
Hydraulic Conductivity of Unsaturated zone 1	11	-0.05	14	-0.02	32	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	12	0.05	17	0.02	25	-0.02	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	-0.05	13	-0.02	7	-0.09	12	-0.03
Saturated zone hydraulic conductivity	29	0.02	29	0.01	28	-0.01	29	0.00
Evapotranspiration coefficient	21	0.03	21	0.01	9	0.08	14	0.03
Wind Speed	4	0.11	7	0.05	12	0.05	15	0.02
Runoff coefficient	3	0.16	4	0.07	4	0.21	5	0.07
Inhalation rate	24	0.03	24	0.01	23	-0.02	25	-0.01
Mass loading for inhalation	13	0.05	19	0.02	5	0.09	9	0.03
Outdoor time fraction	1	0.82	2	0.61	1	0.87	2	0.58
Soil ingestion	8	0.06	12	0.03	15	0.04	20	0.01
Aquatic food	27	-0.02	27	-0.01	31	-0.01	31	0.00
Depth of soil mixing layer	5	-0.10	8	-0.04	8	-0.08	13	-0.03
Area of contaminated zone	9	-0.05	9	-0.04	3	0.29	3	0.23
R-SQUARE		0.83		0.83		0.89		0.89

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	-0.02	17	-0.03	14	-0.05	4	-0.06
Kd of Th-230 in Unsaturated Zone 1	27	-0.02	29	-0.01	30	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.03	25	0.01	22	0.04	17	0.02
Kd of Th-230 in Saturated Zone	7	-0.11	8	-0.04	21	0.04	18	0.02
Kd of Th-228 in Contaminated Zone	32	-0.01	22	-0.02	27	0.02	8	0.03
Kd of Th-228 in Unsaturated Zone 1	8	0.10	9	0.04	29	0.02	27	0.01
Kd of Th-228 in Unsaturated Zone 2	4	-0.16	5	-0.07	12	-0.06	11	-0.03
Kd of Th-228 in Saturated Zone	19	0.04	21	0.02	28	-0.02	10	-0.03
Kd of Th-230 in Contaminated Zone	25	0.03	7	0.05	31	0.01	29	0.01
Kd of Th-230 in Unsaturated Zone 1	3	-0.18	4	-0.08	32	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 2	26	-0.02	28	-0.01	9	-0.07	7	-0.04
Kd of Th-230 in Saturated Zone	18	-0.05	20	-0.02	13	0.05	13	0.03
Kd of Th-228 in Unsaturated Zone 3	30	0.01	31	0.01	23	-0.04	25	-0.01
Kd of Th-230 in Unsaturated Zone 3	14	-0.08	15	-0.03	6	0.09	9	0.03
Kd of Th-232 in Unsaturated Zone 3	23	0.03	26	0.01	24	0.03	26	0.01
Thickness of contaminated zone	2	0.63	1	0.63	2	0.79	1	0.95
Thickness of Unsaturated zone 1	33	0.00	33	0.00	17	-0.04	21	-0.01
Thickness of Unsaturated zone 2	24	-0.03	27	-0.01	25	0.03	28	0.01
Thickness of Unsaturated zone 3	17	0.06	18	0.02	11	0.06	16	0.02
Hydraulic Conductivity of Unsaturated zone 1	21	0.04	24	0.02	33	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	9	0.10	10	0.04	26	-0.02	30	-0.01
Hydraulic Conductivity of Unsaturated zone 3	16	-0.06	19	-0.02	18	-0.04	22	-0.01
Saturated zone hydraulic conductivity	20	-0.04	23	-0.02	20	-0.04	24	-0.01
Evapotranspiration coefficient	15	0.08	16	0.03	7	0.08	12	0.03
Wind Speed	10	-0.09	11	-0.04	19	-0.04	23	-0.01
Runoff coefficient	12	0.09	12	0.04	5	0.14	6	0.05
Inhalation rate	5	0.15	6	0.06	4	0.16	5	0.05
Mass loading for inhalation	29	-0.02	30	-0.01	16	-0.05	20	-0.01
Outdoor time fraction	1	0.81	2	0.58	1	0.86	2	0.55
Soil ingestion	11	-0.09	13	-0.04	8	-0.07	14	-0.02
Aquatic food	13	-0.08	14	-0.03	10	-0.06	15	-0.02
Depth of soil mixing layer	31	0.01	32	0.01	15	0.05	19	0.02
Area of contaminated zone	6	-0.11	3	-0.08	3	0.28	3	0.22
R-SQUARE		0.84		0.84		0.89		0.89

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	13	0.03	6	0.06	14	0.06	8	0.08
Kd of Th-230 in Unsaturated Zone 1	14	0.03	14	0.01	10	0.08	11	0.05
Kd of Th-230 in Unsaturated Zone 2	29	0.01	29	0.00	5	0.13	9	0.07
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	33	0.00	32	0.00
Kd of Th-228 in Contaminated Zone	9	-0.04	4	-0.11	11	-0.08	5	-0.14
Kd of Th-228 in Unsaturated Zone 1	25	-0.01	25	-0.01	4	0.16	7	0.09
Kd of Th-228 in Unsaturated Zone 2	32	0.00	32	0.00	16	0.05	14	0.03
Kd of Th-228 in Saturated Zone	4	0.13	7	0.05	9	-0.09	4	-0.17
Kd of Th-230 in Contaminated Zone	8	0.05	5	0.09	8	0.09	6	0.11
Kd of Th-230 in Unsaturated Zone 1	24	-0.02	24	-0.01	12	0.07	12	0.04
Kd of Th-230 in Unsaturated Zone 2	5	0.12	8	0.05	6	0.12	10	0.07
Kd of Th-230 in Saturated Zone	19	0.02	18	0.01	18	0.05	15	0.03
Kd of Th-228 in Unsaturated Zone 3	26	-0.01	26	-0.01	29	-0.02	29	0.00
Kd of Th-230 in Unsaturated Zone 3	22	0.02	21	0.01	24	0.02	24	0.01
Kd of Th-232 in Unsaturated Zone 3	21	-0.02	22	-0.01	31	-0.01	31	0.00
Thickness of contaminated zone	2	0.61	1	0.60	2	0.81	1	0.96
Thickness of Unsaturated zone 1	31	0.00	31	0.00	23	0.03	23	0.01
Thickness of Unsaturated zone 2	11	0.04	12	0.02	32	0.00	33	0.00
Thickness of Unsaturated zone 3	20	-0.02	20	-0.01	17	-0.05	18	-0.01
Hydraulic Conductivity of Unsaturated zone 1	6	0.09	9	0.04	7	0.10	13	0.03
Hydraulic Conductivity of Unsaturated zone 2	15	0.03	15	0.01	26	0.02	26	0.01
Hydraulic Conductivity of Unsaturated zone 3	18	-0.02	19	-0.01	27	0.02	27	0.01
Saturated zone hydraulic conductivity	27	0.01	27	0.00	22	-0.03	22	-0.01
Evapotranspiration coefficient	10	0.04	11	0.02	25	-0.02	25	-0.01
Wind Speed	7	-0.08	10	-0.04	15	-0.06	17	-0.02
Runoff coefficient	16	0.03	16	0.01	30	0.01	30	0.00
Inhalation rate	12	-0.04	13	-0.02	19	-0.04	19	-0.01
Mass loading for inhalation	23	0.02	23	0.01	20	0.04	20	0.01
Outdoor time fraction	1	0.79	2	0.53	1	0.87	2	0.54
Soil ingestion	28	-0.01	28	0.00	13	-0.06	16	-0.02
Aquatic food	17	0.02	17	0.01	21	0.03	21	0.01
Depth of soil mixing layer	30	0.00	30	0.00	28	-0.02	28	-0.01
Area of contaminated zone	3	-0.17	3	-0.13	3	0.28	3	0.20
R-SQUARE	0.83		0.83		0.91		0.91	

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

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	-0.02	11	-0.03	9	0.08	5	0.08
Kd of Th-230 in Unsaturated Zone 1	12	-0.06	16	-0.02	27	-0.01	26	-0.01
Kd of Th-230 in Unsaturated Zone 2	29	0.01	28	0.01	12	-0.07	12	-0.03
Kd of Th-230 in Saturated Zone	20	-0.04	13	-0.03	20	0.05	15	0.02
Kd of Th-228 in Contaminated Zone	26	0.02	6	0.04	7	-0.09	4	-0.14
Kd of Th-228 in Unsaturated Zone 1	21	0.03	24	0.01	11	0.07	11	0.03
Kd of Th-228 in Unsaturated Zone 2	33	0.00	32	0.00	30	0.00	29	0.00
Kd of Th-228 in Saturated Zone	16	-0.04	7	-0.04	23	-0.04	6	-0.05
Kd of Th-230 in Contaminated Zone	18	-0.04	5	-0.05	22	0.05	7	0.05
Kd of Th-230 in Unsaturated Zone 1	7	-0.09	10	-0.04	31	0.00	31	0.00
Kd of Th-230 in Unsaturated Zone 2	17	-0.04	22	-0.02	28	-0.01	27	-0.01
Kd of Th-230 in Saturated Zone	24	0.02	21	0.02	6	0.10	8	0.05
Kd of Th-228 in Unsaturated Zone 3	14	-0.04	20	-0.02	33	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 3	28	-0.01	30	-0.01	4	0.12	9	0.04
Kd of Th-232 in Unsaturated Zone 3	15	-0.04	19	-0.02	26	0.02	28	0.01
Thickness of contaminated zone	2	0.62	2	0.60	2	0.80	1	0.94
Thickness of Unsaturated zone 1	22	0.03	25	0.01	10	0.08	14	0.02
Thickness of Unsaturated zone 2	25	-0.02	27	-0.01	24	0.03	24	0.01
Thickness of Unsaturated zone 3	10	0.06	15	0.03	13	0.06	16	0.02
Hydraulic Conductivity of Unsaturated zone 1	3	-0.14	4	-0.06	14	-0.06	17	-0.02
Hydraulic Conductivity of Unsaturated zone 2	8	-0.07	12	-0.03	21	0.05	23	0.02
Hydraulic Conductivity of Unsaturated zone 3	9	-0.06	14	-0.03	15	0.06	18	0.02
Saturated zone hydraulic conductivity	31	0.01	29	0.01	17	0.05	21	0.02
Evapotranspiration coefficient	30	0.01	31	0.00	18	0.05	20	0.02
Wind Speed	6	0.09	9	0.04	25	0.03	25	0.01
Runoff coefficient	5	0.10	8	0.04	8	0.08	13	0.03
Inhalation rate	19	0.04	23	0.01	29	0.01	30	0.00
Mass loading for inhalation	13	0.06	18	0.02	16	-0.06	19	-0.02
Outdoor time fraction	1	0.84	1	0.64	1	0.87	2	0.58
Soil ingestion	11	-0.06	17	-0.02	5	-0.11	10	-0.04
Aquatic food	32	0.00	33	0.00	32	0.00	32	0.00
Depth of soil mixing layer	23	-0.03	26	-0.01	19	-0.05	22	-0.02
Area of contaminated zone	4	-0.10	3	-0.08	3	0.31	3	0.23
R-SQUARE		0.84		0.84		0.89		0.89

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	17	-0.03	5	-0.06	28	0.01	18	0.01
Kd of Th-230 in Unsaturated Zone 1	21	0.02	21	0.01	10	-0.08	9	-0.03
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	30	0.00	13	-0.06	11	-0.03
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	6	-0.11	5	-0.05
Kd of Th-228 in Contaminated Zone	20	0.03	4	0.07	31	0.00	28	0.00
Kd of Th-228 in Unsaturated Zone 1	28	-0.01	28	0.00	21	0.02	20	0.01
Kd of Th-228 in Unsaturated Zone 2	13	-0.04	16	-0.02	26	-0.01	24	-0.01
Kd of Th-228 in Saturated Zone	7	0.08	9	0.04	12	0.06	4	0.08
Kd of Th-230 in Contaminated Zone	18	-0.03	6	-0.05	33	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 1	16	0.03	17	0.01	19	-0.03	17	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.00	32	0.00	25	0.01	23	0.01
Kd of Th-230 in Saturated Zone	27	0.01	27	0.00	8	-0.09	7	-0.04
Kd of Th-228 in Unsaturated Zone 3	29	0.01	29	0.00	23	0.02	26	0.00
Kd of Th-230 in Unsaturated Zone 3	19	-0.03	20	-0.01	29	-0.01	30	0.00
Kd of Th-232 in Unsaturated Zone 3	12	0.05	15	0.02	32	0.00	33	0.00
Thickness of contaminated zone	2	0.66	1	0.65	2	0.84	1	0.95
Thickness of Unsaturated zone 1	8	0.07	11	0.03	14	0.05	14	0.01
Thickness of Unsaturated zone 2	14	-0.04	18	-0.01	30	0.00	31	0.00
Thickness of Unsaturated zone 3	24	0.02	24	0.01	9	0.08	12	0.02
Hydraulic Conductivity of Unsaturated zone 1	4	-0.10	8	-0.04	4	-0.14	6	-0.04
Hydraulic Conductivity of Unsaturated zone 2	26	-0.02	26	-0.01	22	-0.02	25	-0.01
Hydraulic Conductivity of Unsaturated zone 3	25	0.02	25	0.01	27	-0.01	29	0.00
Saturated zone hydraulic conductivity	9	-0.06	12	-0.02	16	0.04	16	0.01
Evapotranspiration coefficient	5	0.10	7	0.04	7	0.11	10	0.03
Wind Speed	15	-0.03	19	-0.01	20	0.03	22	0.01
Runoff coefficient	11	0.05	14	0.02	5	0.13	8	0.04
Inhalation rate	6	0.09	10	0.04	11	0.07	13	0.02
Mass loading for inhalation	22	0.02	22	0.01	18	0.03	21	0.01
Outdoor time fraction	1	0.81	2	0.56	1	0.89	2	0.56
Soil ingestion	10	0.05	13	0.02	24	0.02	27	0.00
Aquatic food	23	-0.02	23	-0.01	15	0.04	15	0.01
Depth of soil mixing layer	31	0.01	31	0.00	17	0.04	19	0.01
Area of contaminated zone	3	-0.11	3	-0.08	3	0.29	3	0.19
R-SQUARE	0.84		0.84		0.92		0.92	

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

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	20 0.03	6 0.06	18 -0.03	7 -0.04
Kd of Th-230 in Unsaturated Zone 1	13 0.05	16 0.02	19 -0.03	17 -0.01
Kd of Th-230 in Unsaturated Zone 2	25 0.02	25 0.01	11 -0.06	9 -0.03
Kd of Th-230 in Saturated Zone	16 -0.04	18 -0.02	32 0.00	31 0.00
Kd of Th-228 in Contaminated Zone	19 -0.04	3 -0.09	24 0.02	6 0.04
Kd of Th-228 in Unsaturated Zone 1	18 -0.04	20 -0.02	20 0.03	18 0.01
Kd of Th-228 in Unsaturated Zone 2	26 0.02	26 0.01	22 -0.02	20 -0.01
Kd of Th-228 in Saturated Zone	31 0.01	28 0.01	13 0.05	4 0.08
Kd of Th-230 in Contaminated Zone	17 0.04	5 0.07	29 -0.01	23 -0.01
Kd of Th-230 in Unsaturated Zone 1	15 0.04	15 0.02	17 -0.03	16 -0.01
Kd of Th-230 in Unsaturated Zone 2	32 0.01	32 0.00	27 -0.02	24 -0.01
Kd of Th-230 in Saturated Zone	6 -0.06	10 -0.03	10 -0.07	8 -0.04
Kd of Th-228 in Unsaturated Zone 3	27 0.02	29 0.01	26 -0.02	28 -0.01
Kd of Th-230 in Unsaturated Zone 3	33 0.00	33 0.00	14 -0.04	19 -0.01
Kd of Th-232 in Unsaturated Zone 3	23 -0.03	23 -0.01	30 -0.01	30 0.00
Thickness of contaminated zone	2 0.63	1 0.65	2 0.79	1 0.94
Thickness of Unsaturated zone 1	22 0.03	22 0.01	23 0.02	26 0.01
Thickness of Unsaturated zone 2	7 0.06	11 0.03	5 0.09	10 0.03
Thickness of Unsaturated zone 3	30 -0.02	31 -0.01	16 0.03	22 0.01
Hydraulic Conductivity of Unsaturated zone 1	11 -0.05	14 -0.02	33 0.00	33 0.00
Hydraulic Conductivity of Unsaturated zone 2	12 0.05	17 0.02	25 -0.02	27 -0.01
Hydraulic Conductivity of Unsaturated zone 3	10 -0.05	13 -0.02	8 -0.08	13 -0.03
Saturated zone hydraulic conductivity	29 0.02	30 0.01	28 -0.01	29 0.00
Evapotranspiration coefficient	21 0.03	21 0.01	7 0.08	12 0.03
Wind Speed	4 0.12	7 0.05	12 0.06	15 0.02
Runoff coefficient	3 0.16	4 0.07	4 0.21	5 0.07
Inhalation rate	24 0.02	24 0.01	21 -0.02	25 -0.01
Mass loading for inhalation	14 0.05	19 0.02	6 0.09	11 0.03
Outdoor time fraction	1 0.82	2 0.61	1 0.87	2 0.58
Soil ingestion	8 0.06	12 0.03	15 0.03	21 0.01
Aquatic food	28 -0.02	27 -0.01	31 -0.01	32 0.00
Depth of soil mixing layer	5 -0.10	9 -0.04	9 -0.07	14 -0.02
Area of contaminated zone	9 -0.05	8 -0.04	3 0.30	3 0.23
R-SQUARE	0.83	0.83	0.89	0.89

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	29	-0.02	17	-0.03	15	-0.05	4	-0.06
Kd of Th-230 in Unsaturated Zone 1	26	-0.02	29	-0.01	30	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	22	0.03	25	0.01	22	0.04	18	0.02
Kd of Th-230 in Saturated Zone	6	-0.11	8	-0.04	20	0.04	17	0.02
Kd of Th-228 in Contaminated Zone	32	-0.01	21	-0.02	27	0.02	7	0.04
Kd of Th-228 in Unsaturated Zone 1	8	0.10	9	0.04	28	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 2	4	-0.16	5	-0.07	12	-0.06	10	-0.03
Kd of Th-228 in Saturated Zone	19	0.04	22	0.02	29	-0.02	11	-0.03
Kd of Th-230 in Contaminated Zone	25	0.03	7	0.05	31	0.01	30	0.01
Kd of Th-230 in Unsaturated Zone 1	3	-0.18	4	-0.08	32	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 2	27	-0.02	28	-0.01	9	-0.07	8	-0.04
Kd of Th-230 in Saturated Zone	18	-0.05	20	-0.02	14	0.05	13	0.03
Kd of Th-228 in Unsaturated Zone 3	31	0.01	32	0.01	23	-0.04	25	-0.01
Kd of Th-230 in Unsaturated Zone 3	14	-0.08	15	-0.03	6	0.09	9	0.03
Kd of Th-232 in Unsaturated Zone 3	23	0.03	26	0.01	24	0.03	27	0.01
Thickness of contaminated zone	2	0.63	1	0.63	2	0.79	1	0.95
Thickness of Unsaturated zone 1	33	0.00	33	0.00	17	-0.04	21	-0.01
Thickness of Unsaturated zone 2	24	-0.03	27	-0.01	25	0.03	28	0.01
Thickness of Unsaturated zone 3	17	0.06	18	0.02	11	0.06	16	0.02
Hydraulic Conductivity of Unsaturated zone 1	21	0.04	24	0.01	33	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	9	0.10	10	0.04	26	-0.02	29	-0.01
Hydraulic Conductivity of Unsaturated zone 3	16	-0.06	19	-0.02	18	-0.04	22	-0.01
Saturated zone hydraulic conductivity	20	-0.04	23	-0.02	21	-0.04	24	-0.01
Evapotranspiration coefficient	15	0.08	16	0.03	7	0.08	12	0.03
Wind Speed	11	-0.09	12	-0.04	19	-0.04	23	-0.01
Runoff coefficient	12	0.09	13	0.04	5	0.14	6	0.05
Inhalation rate	5	0.15	6	0.06	4	0.16	5	0.05
Mass loading for inhalation	30	-0.02	31	-0.01	16	-0.05	20	-0.01
Outdoor time fraction	1	0.81	2	0.58	1	0.86	2	0.55
Soil ingestion	10	-0.09	11	-0.04	8	-0.07	14	-0.02
Aquatic food	13	-0.08	14	-0.03	10	-0.06	15	-0.02
Depth of soil mixing layer	28	0.02	30	0.01	13	0.05	19	0.02
Area of contaminated zone	7	-0.11	3	-0.08	3	0.28	3	0.22
R-SQUARE		0.84		0.84		0.89		0.89

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

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

Coefficients for peak External Ground Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		5		5		5		5	
Repetition =		5		5		5		5	
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		13	0.04	6	0.06	14	0.07	8	0.08
Kd of Th-230 in Unsaturated Zone 1		14	0.03	14	0.01	10	0.09	11	0.05
Kd of Th-230 in Unsaturated Zone 2		30	0.01	30	0.00	5	0.14	9	0.07
Kd of Th-230 in Saturated Zone		33	0.00	33	0.00	32	0.00	31	0.00
Kd of Th-228 in Contaminated Zone		9	-0.04	4	-0.12	11	-0.09	5	-0.15
Kd of Th-228 in Unsaturated Zone 1		25	-0.01	25	-0.01	4	0.16	7	0.09
Kd of Th-228 in Unsaturated Zone 2		31	0.00	31	0.00	16	0.05	14	0.03
Kd of Th-228 in Saturated Zone		4	0.13	7	0.06	9	-0.09	4	-0.17
Kd of Th-230 in Contaminated Zone		8	0.05	5	0.10	8	0.10	6	0.12
Kd of Th-230 in Unsaturated Zone 1		23	-0.02	23	-0.01	12	0.07	12	0.04
Kd of Th-230 in Unsaturated Zone 2		5	0.12	8	0.05	6	0.13	10	0.07
Kd of Th-230 in Saturated Zone		20	0.02	20	0.01	19	0.05	15	0.03
Kd of Th-228 in Unsaturated Zone 3		26	-0.01	26	-0.01	30	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 3		21	0.02	21	0.01	23	0.02	23	0.01
Kd of Th-232 in Unsaturated Zone 3		22	-0.02	22	-0.01	28	-0.01	28	0.00
Thickness of contaminated zone		2	0.61	1	0.60	2	0.81	1	0.95
Thickness of Unsaturated zone 1		32	0.00	32	0.00	24	0.02	24	0.01
Thickness of Unsaturated zone 2		12	0.04	13	0.02	33	0.00	33	0.00
Thickness of Unsaturated zone 3		19	-0.02	19	-0.01	17	-0.05	18	-0.02
Hydraulic Conductivity of Unsaturated zone 1		6	0.09	9	0.04	7	0.10	13	0.03
Hydraulic Conductivity of Unsaturated zone 2		15	0.03	15	0.01	25	0.02	25	0.01
Hydraulic Conductivity of Unsaturated zone 3		18	-0.02	18	-0.01	27	0.02	27	0.01
Saturated zone hydraulic conductivity		27	0.01	27	0.00	22	-0.03	22	-0.01
Evapotranspiration coefficient		10	0.04	11	0.02	26	-0.02	26	-0.01
Wind Speed		7	-0.09	10	-0.04	15	-0.06	17	-0.02
Runoff coefficient		16	0.03	16	0.01	29	0.01	29	0.00
Inhalation rate		11	-0.04	12	-0.02	18	-0.05	19	-0.01
Mass loading for inhalation		24	0.01	24	0.01	21	0.03	21	0.01
Outdoor time fraction		1	0.79	2	0.53	1	0.87	2	0.54
Soil ingestion		28	-0.01	28	0.00	13	-0.07	16	-0.02
Aquatic food		17	0.03	17	0.01	20	0.03	20	0.01
Depth of soil mixing layer		29	0.01	29	0.00	31	-0.01	32	0.00
Area of contaminated zone		3	-0.17	3	-0.14	3	0.27	3	0.19
R-SQUARE		0.83		0.83		0.91		0.91	

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

Coefficients for peak Inhalation particles Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		20	0.04	11	0.11	25	0.02	19	0.02
Kd of Th-230 in Unsaturated Zone 1		21	-0.04	21	-0.03	27	-0.01	25	-0.01
Kd of Th-230 in Unsaturated Zone 2		8	0.11	7	0.14	13	-0.06	13	-0.03
Kd of Th-230 in Saturated Zone		26	-0.01	25	-0.01	31	0.01	32	0.00
Kd of Th-228 in Contaminated Zone		13	-0.06	3	-0.22	23	-0.02	11	-0.04
Kd of Th-228 in Unsaturated Zone 1		24	-0.02	24	-0.01	28	0.01	28	0.00
Kd of Th-228 in Unsaturated Zone 2		30	0.00	27	-0.01	30	-0.01	31	0.00
Kd of Th-228 in Saturated Zone		33	0.00	33	0.00	22	-0.03	9	-0.04
Kd of Th-230 in Contaminated Zone		14	0.06	8	0.14	33	0.00	29	0.00
Kd of Th-230 in Unsaturated Zone 1		23	-0.02	23	-0.02	32	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 2		25	-0.01	26	-0.01	16	0.05	15	0.03
Kd of Th-230 in Saturated Zone		9	-0.09	10	-0.12	10	0.09	8	0.04
Kd of Th-228 in Unsaturated Zone 3		19	-0.04	20	-0.03	11	0.08	14	0.03
Kd of Th-230 in Unsaturated Zone 3		22	-0.03	22	-0.03	20	0.04	23	0.01
Kd of Th-232 in Unsaturated Zone 3		32	0.00	32	0.00	12	-0.07	16	-0.03
Thickness of contaminated zone		5	0.18	2	0.27	3	0.66	1	0.66
Thickness of Unsaturated zone 1		28	-0.01	30	0.00	8	0.11	10	0.04
Thickness of Unsaturated zone 2		27	-0.01	28	-0.01	26	-0.02	27	-0.01
Thickness of Unsaturated zone 3		12	-0.06	16	-0.05	17	-0.05	20	-0.02
Hydraulic Conductivity of Unsaturated zone 1		7	-0.11	12	-0.08	21	0.03	24	0.01
Hydraulic Conductivity of Unsaturated zone 2		16	-0.05	17	-0.04	9	0.09	12	0.03
Hydraulic Conductivity of Unsaturated zone 3		18	0.05	19	0.04	18	-0.05	21	-0.02
Saturated zone hydraulic conductivity		31	0.00	29	0.00	14	0.06	17	0.02
Evapotranspiration coefficient		29	0.00	31	0.00	29	-0.01	30	0.00
Wind Speed		4	-0.24	6	-0.19	5	-0.57	5	-0.24
Runoff coefficient		11	0.06	15	0.05	19	0.04	22	0.01
Inhalation rate		6	0.17	9	0.13	6	0.38	6	0.14
Mass loading for inhalation		2	0.27	4	0.22	4	0.64	4	0.29
Outdoor time fraction		3	0.27	5	0.21	2	0.73	3	0.38
Soil ingestion		17	0.05	18	0.04	15	-0.06	18	-0.02
Aquatic food		10	-0.06	14	-0.05	24	-0.02	26	-0.01
Depth of soil mixing layer		1	-0.47	1	-0.40	1	-0.81	2	-0.47
Area of contaminated zone		15	-0.06	13	-0.08	7	0.12	7	0.09
R-SQUARE			0.44		0.44		0.88		0.88

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	12	0.07	5	0.23	24	0.05	11	0.05
Kd of Th-230 in Unsaturated Zone 1	20	-0.03	19	-0.03	7	-0.18	8	-0.09
Kd of Th-230 in Unsaturated Zone 2	18	0.04	18	0.03	28	-0.03	25	-0.02
Kd of Th-230 in Saturated Zone	22	-0.02	22	-0.02	12	-0.10	14	-0.04
Kd of Th-228 in Contaminated Zone	9	-0.09	1	-0.45	20	-0.05	9	-0.09
Kd of Th-228 in Unsaturated Zone 1	28	0.02	28	0.01	19	-0.05	17	-0.02
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	29	-0.01	32	-0.01	32	0.00
Kd of Th-228 in Saturated Zone	21	-0.03	21	-0.02	8	0.12	7	0.17
Kd of Th-230 in Contaminated Zone	10	0.09	3	0.29	26	0.04	13	0.05
Kd of Th-230 in Unsaturated Zone 1	17	-0.04	17	-0.04	11	-0.10	12	-0.05
Kd of Th-230 in Unsaturated Zone 2	31	-0.01	31	-0.01	25	-0.05	20	-0.02
Kd of Th-230 in Saturated Zone	27	0.02	27	0.01	17	-0.06	16	-0.03
Kd of Th-228 in Unsaturated Zone 3	19	-0.04	20	-0.03	23	-0.05	27	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.02	26	-0.01	15	0.07	21	0.02
Kd of Th-232 in Unsaturated Zone 3	24	0.02	23	0.02	27	-0.04	28	-0.01
Thickness of contaminated zone	6	0.20	4	0.28	3	0.71	1	0.67
Thickness of Unsaturated zone 1	11	0.08	12	0.06	21	0.05	24	0.02
Thickness of Unsaturated zone 2	8	-0.11	11	-0.08	31	-0.01	31	0.00
Thickness of Unsaturated zone 3	14	-0.07	14	-0.05	30	0.03	30	0.01
Hydraulic Conductivity of Unsaturated zone 1	15	-0.05	15	-0.04	33	0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	7	0.11	10	0.08	14	0.08	19	0.02
Hydraulic Conductivity of Unsaturated zone 3	32	0.00	32	0.00	16	-0.06	22	-0.02
Saturated zone hydraulic conductivity	25	0.02	25	0.01	29	-0.03	29	-0.01
Evapotranspiration coefficient	13	-0.07	13	-0.05	18	0.06	23	0.02
Wind Speed	3	-0.26	7	-0.21	5	-0.63	5	-0.25
Runoff coefficient	23	-0.02	24	-0.02	10	0.10	15	0.03
Inhalation rate	2	0.28	6	0.22	6	0.49	6	0.17
Mass loading for inhalation	4	0.25	8	0.19	4	0.67	4	0.28
Outdoor time fraction	5	0.22	9	0.17	2	0.78	3	0.39
Soil ingestion	30	-0.01	30	-0.01	22	0.05	26	0.02
Aquatic food	16	-0.05	16	-0.04	13	0.08	18	0.02
Depth of soil mixing layer	1	-0.45	2	-0.39	1	-0.83	2	-0.45
Area of contaminated zone	33	0.00	33	0.00	9	0.11	10	0.07
R-SQUARE	0.44		0.44		0.91		0.91	

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

Coefficients for peak Inhalation particles Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		16	0.07	4	0.21	14	-0.05	7	-0.07
Kd of Th-230 in Unsaturated Zone 1		21	-0.05	20	-0.04	15	0.05	18	0.03
Kd of Th-230 in Unsaturated Zone 2		25	-0.03	26	-0.02	13	-0.07	13	-0.04
Kd of Th-230 in Saturated Zone		22	-0.04	23	-0.04	30	-0.01	28	-0.01
Kd of Th-228 in Contaminated Zone		17	-0.06	2	-0.29	22	0.03	10	0.05
Kd of Th-228 in Unsaturated Zone 1		26	-0.03	25	-0.02	20	-0.03	20	-0.01
Kd of Th-228 in Unsaturated Zone 2		14	-0.07	17	-0.05	25	0.02	24	0.01
Kd of Th-228 in Saturated Zone		23	0.04	21	0.04	19	0.03	9	0.05
Kd of Th-230 in Contaminated Zone		20	0.05	9	0.16	29	-0.01	21	-0.01
Kd of Th-230 in Unsaturated Zone 1		32	0.01	32	0.01	9	-0.11	8	-0.05
Kd of Th-230 in Unsaturated Zone 2		24	-0.03	24	-0.02	16	-0.05	17	-0.03
Kd of Th-230 in Saturated Zone		27	-0.02	27	-0.02	26	-0.02	26	-0.01
Kd of Th-228 in Unsaturated Zone 3		29	-0.02	29	-0.01	7	0.14	11	0.04
Kd of Th-230 in Unsaturated Zone 3		30	-0.02	30	-0.01	18	-0.03	23	-0.01
Kd of Th-232 in Unsaturated Zone 3		15	-0.07	18	-0.05	28	-0.01	30	0.00
Thickness of contaminated zone		9	0.09	10	0.13	4	0.62	1	0.58
Thickness of Unsaturated zone 1		13	-0.08	16	-0.06	31	-0.01	31	0.00
Thickness of Unsaturated zone 2		18	0.06	19	0.05	10	0.11	14	0.04
Thickness of Unsaturated zone 3		19	-0.05	22	-0.04	11	-0.10	15	-0.03
Hydraulic Conductivity of Unsaturated zone 1		31	0.02	31	0.01	21	0.03	25	0.01
Hydraulic Conductivity of Unsaturated zone 2		28	-0.02	28	-0.02	32	0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 3		11	-0.09	14	-0.06	17	-0.03	22	-0.01
Saturated zone hydraulic conductivity		33	0.00	33	0.00	24	0.02	27	0.01
Evapotranspiration coefficient		12	-0.08	15	-0.06	33	0.00	33	0.00
Wind Speed		3	-0.26	5	-0.20	5	-0.53	5	-0.21
Runoff coefficient		7	0.10	11	0.08	12	0.10	16	0.03
Inhalation rate		5	0.22	8	0.17	6	0.38	6	0.13
Mass loading for inhalation		4	0.25	7	0.19	3	0.69	4	0.31
Outdoor time fraction		2	0.35	3	0.27	2	0.76	3	0.39
Soil ingestion		8	-0.09	12	-0.07	27	0.02	29	0.01
Aquatic food		10	-0.09	13	-0.07	8	0.13	12	0.04
Depth of soil mixing layer		1	-0.50	1	-0.43	1	-0.82	2	-0.48
Area of contaminated zone		6	-0.14	6	-0.20	23	0.02	19	0.02
R-SQUARE			0.48		0.48		0.89		0.89

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	10	-0.06	6	-0.19	26	0.03	11	0.04
Kd of Th-230 in Unsaturated Zone 1	28	0.01	28	0.01	31	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 2	25	-0.01	26	-0.01	12	0.06	13	0.03
Kd of Th-230 in Saturated Zone	22	0.03	22	0.02	33	0.00	33	0.00
Kd of Th-228 in Contaminated Zone	9	0.06	4	0.29	22	-0.04	7	-0.07
Kd of Th-228 in Unsaturated Zone 1	32	0.00	32	0.00	28	-0.02	28	-0.01
Kd of Th-228 in Unsaturated Zone 2	20	-0.04	20	-0.03	13	-0.06	14	-0.03
Kd of Th-228 in Saturated Zone	33	0.00	33	0.00	29	0.01	18	0.02
Kd of Th-230 in Contaminated Zone	12	-0.06	7	-0.19	20	0.04	8	0.05
Kd of Th-230 in Unsaturated Zone 1	8	-0.07	11	-0.05	17	-0.04	17	-0.02
Kd of Th-230 in Unsaturated Zone 2	18	-0.04	18	-0.03	11	-0.06	12	-0.03
Kd of Th-230 in Saturated Zone	23	-0.02	23	-0.02	21	-0.04	20	-0.02
Kd of Th-228 in Unsaturated Zone 3	31	0.00	31	0.00	10	0.07	16	0.03
Kd of Th-230 in Unsaturated Zone 3	24	-0.02	24	-0.02	32	0.00	32	0.00
Kd of Th-232 in Unsaturated Zone 3	21	-0.03	21	-0.02	23	0.03	26	0.01
Thickness of contaminated zone	4	0.27	2	0.38	3	0.63	1	0.64
Thickness of Unsaturated zone 1	30	0.00	30	0.00	27	0.02	29	0.01
Thickness of Unsaturated zone 2	26	0.01	27	0.01	24	0.03	27	0.01
Thickness of Unsaturated zone 3	29	0.00	29	0.00	7	0.12	9	0.04
Hydraulic Conductivity of Unsaturated zone 1	15	0.05	15	0.04	9	0.08	15	0.03
Hydraulic Conductivity of Unsaturated zone 2	19	-0.04	19	-0.03	15	-0.05	22	-0.02
Hydraulic Conductivity of Unsaturated zone 3	17	-0.05	17	-0.03	8	-0.12	10	-0.04
Saturated zone hydraulic conductivity	13	-0.05	13	-0.04	30	-0.01	31	0.00
Evapotranspiration coefficient	14	0.05	14	0.04	16	-0.05	23	-0.02
Wind Speed	3	-0.31	5	-0.23	5	-0.55	5	-0.23
Runoff coefficient	11	0.06	12	0.05	19	0.04	25	0.01
Inhalation rate	6	0.13	9	0.10	6	0.49	6	0.20
Mass loading for inhalation	5	0.21	8	0.16	4	0.61	4	0.27
Outdoor time fraction	2	0.40	3	0.32	2	0.74	3	0.38
Soil ingestion	7	-0.09	10	-0.06	18	-0.04	24	-0.01
Aquatic food	16	-0.05	16	-0.04	14	0.05	21	0.02
Depth of soil mixing layer	1	-0.47	1	-0.39	1	-0.78	2	-0.43
Area of contaminated zone	27	-0.01	25	-0.01	25	0.03	19	0.02
R-SQUARE		0.50		0.50		0.88		0.88

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

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	17	-0.03	9	-0.11	20	0.04	10	0.05
Kd of Th-230 in Unsaturated Zone 1	16	-0.03	17	-0.03	13	0.06	13	0.04
Kd of Th-230 in Unsaturated Zone 2	20	-0.02	20	-0.02	28	-0.01	27	-0.01
Kd of Th-230 in Saturated Zone	23	0.02	23	0.01	15	-0.06	14	-0.04
Kd of Th-228 in Contaminated Zone	12	0.05	3	0.26	17	-0.05	7	-0.11
Kd of Th-228 in Unsaturated Zone 1	14	0.04	15	0.03	27	-0.01	26	-0.01
Kd of Th-228 in Unsaturated Zone 2	25	-0.01	25	-0.01	24	-0.03	21	-0.02
Kd of Th-228 in Saturated Zone	26	-0.01	26	-0.01	29	-0.01	22	-0.02
Kd of Th-230 in Contaminated Zone	11	-0.05	6	-0.19	23	0.03	12	0.05
Kd of Th-230 in Unsaturated Zone 1	18	0.03	18	0.03	19	0.04	18	0.03
Kd of Th-230 in Unsaturated Zone 2	2	0.25	4	0.23	16	0.05	15	0.03
Kd of Th-230 in Saturated Zone	19	0.03	19	0.02	33	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 3	30	0.00	30	0.00	11	0.08	17	0.03
Kd of Th-230 in Unsaturated Zone 3	15	-0.04	16	-0.03	22	-0.03	25	-0.01
Kd of Th-232 in Unsaturated Zone 3	31	0.00	31	0.00	30	-0.01	30	0.00
Thickness of contaminated zone	4	0.19	2	0.30	4	0.62	1	0.66
Thickness of Unsaturated zone 1	28	0.01	28	0.01	31	-0.01	31	0.00
Thickness of Unsaturated zone 2	32	0.00	32	0.00	10	-0.08	16	-0.03
Thickness of Unsaturated zone 3	27	-0.01	27	-0.01	18	-0.04	23	-0.02
Hydraulic Conductivity of Unsaturated zone 1	13	-0.04	14	-0.03	32	0.00	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	22	-0.02	22	-0.02	12	0.06	19	0.02
Hydraulic Conductivity of Unsaturated zone 3	33	0.00	33	0.00	26	0.02	29	0.01
Saturated zone hydraulic conductivity	21	-0.02	21	-0.02	7	-0.15	9	-0.06
Evapotranspiration coefficient	7	-0.09	11	-0.07	8	-0.13	11	-0.05
Wind Speed	8	-0.09	12	-0.07	5	-0.56	5	-0.24
Runoff coefficient	24	-0.01	24	-0.01	21	0.03	24	0.01
Inhalation rate	6	0.18	8	0.14	6	0.40	6	0.16
Mass loading for inhalation	3	0.25	5	0.22	3	0.66	4	0.32
Outdoor time fraction	5	0.19	7	0.15	2	0.69	3	0.35
Soil ingestion	9	0.08	13	0.07	25	-0.02	28	-0.01
Aquatic food	29	0.01	29	0.01	14	0.06	20	0.02
Depth of soil mixing layer	1	-0.41	1	-0.36	1	-0.77	2	-0.44
Area of contaminated zone	10	0.07	10	0.10	9	0.10	8	0.08
R-SQUARE		0.39		0.39		0.87		0.87

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

PCC 2 SRC 2 PRCC 2 SRRC 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 1 1 1 1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC 2 SRC 2 PRCC 2 SRRC 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Meat (WaterInd.) Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		3		3		3		3		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	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	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	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	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

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

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

Coefficients for peak Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

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

Coefficients for peak Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC 2 SRC 2 PRCC 2 SRRC 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC		
Coefficient =		3		3		3		3		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	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	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	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	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

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

Coefficients for peak Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Milk (WaterInd.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		5		5		5		5	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE			0.00		0.00		0.00		0.00

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

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		12	0.05	7	0.15	30	0.00	29	-0.01
Kd of Th-230 in Unsaturated Zone 1		15	-0.04	15	-0.04	10	-0.06	9	-0.05
Kd of Th-230 in Unsaturated Zone 2		4	0.13	4	0.19	7	-0.09	6	-0.07
Kd of Th-230 in Saturated Zone		22	-0.02	16	-0.04	31	0.00	31	0.00
Kd of Th-228 in Contaminated Zone		11	-0.06	2	-0.24	28	-0.01	22	-0.02
Kd of Th-228 in Unsaturated Zone 1		31	0.00	33	0.00	27	0.01	27	0.01
Kd of Th-228 in Unsaturated Zone 2		32	0.00	28	0.00	9	-0.08	7	-0.07
Kd of Th-228 in Saturated Zone		33	0.00	31	0.00	24	0.02	11	0.05
Kd of Th-230 in Contaminated Zone		13	0.05	8	0.14	25	-0.02	17	-0.03
Kd of Th-230 in Unsaturated Zone 1		17	-0.04	18	-0.03	17	-0.04	13	-0.04
Kd of Th-230 in Unsaturated Zone 2		23	-0.02	24	-0.02	18	-0.04	15	-0.03
Kd of Th-230 in Saturated Zone		8	-0.09	9	-0.13	14	0.05	12	0.04
Kd of Th-228 in Unsaturated Zone 3		16	-0.04	17	-0.04	19	0.04	21	0.02
Kd of Th-230 in Unsaturated Zone 3		21	-0.03	22	-0.03	16	0.04	20	0.03
Kd of Th-232 in Unsaturated Zone 3		19	-0.04	19	-0.03	21	-0.03	24	-0.02
Thickness of contaminated zone		27	-0.01	27	-0.01	4	0.46	1	0.64
Thickness of Unsaturated zone 1		29	0.00	30	0.00	8	0.09	10	0.05
Thickness of Unsaturated zone 2		30	0.00	32	0.00	23	0.03	25	0.02
Thickness of Unsaturated zone 3		14	-0.05	14	-0.04	11	0.06	14	0.03
Hydraulic Conductivity of Unsaturated zone 1		5	-0.12	10	-0.10	6	-0.11	8	-0.06
Hydraulic Conductivity of Unsaturated zone 2		28	0.00	29	0.00	29	0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 3		9	0.07	12	0.06	26	-0.01	28	-0.01
Saturated zone hydraulic conductivity		25	0.01	23	0.02	22	0.03	26	0.02
Evapotranspiration coefficient		20	-0.03	21	-0.03	33	0.00	33	0.00
Wind Speed		18	-0.04	20	-0.03	20	-0.03	23	-0.02
Runoff coefficient		7	0.10	11	0.09	15	0.05	19	0.03
Inhalation rate		24	0.02	25	0.01	32	0.00	32	0.00
Mass loading for inhalation		26	0.01	26	0.01	13	-0.06	18	-0.03
Outdoor time fraction		3	0.20	5	0.18	2	0.60	3	0.43
Soil ingestion		2	0.25	3	0.22	3	0.52	4	0.34
Aquatic food		10	-0.06	13	-0.05	12	-0.06	16	-0.03
Depth of soil mixing layer		1	-0.44	1	-0.41	1	-0.63	2	-0.46
Area of contaminated zone		6	-0.11	6	-0.17	5	0.25	5	0.31
R-SQUARE		0.31		0.31		0.69		0.69	

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

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		16	0.04	5	0.14	20	-0.04	12	-0.08
Kd of Th-230 in Unsaturated Zone 1		27	-0.01	27	-0.01	7	-0.10	7	-0.09
Kd of Th-230 in Unsaturated Zone 2		17	0.04	17	0.03	15	-0.06	14	-0.06
Kd of Th-230 in Saturated Zone		23	-0.02	24	-0.01	6	-0.10	8	-0.09
Kd of Th-228 in Contaminated Zone		9	-0.06	1	-0.33	22	0.03	11	0.08
Kd of Th-228 in Unsaturated Zone 1		29	-0.01	30	0.00	16	-0.06	18	-0.05
Kd of Th-228 in Unsaturated Zone 2		24	0.01	23	0.01	10	-0.10	10	-0.08
Kd of Th-228 in Saturated Zone		25	-0.01	25	-0.01	8	0.10	6	0.27
Kd of Th-230 in Contaminated Zone		6	0.08	3	0.27	30	-0.01	22	-0.03
Kd of Th-230 in Unsaturated Zone 1		28	-0.01	29	-0.01	13	-0.07	13	-0.07
Kd of Th-230 in Unsaturated Zone 2		26	0.01	26	0.01	17	-0.06	17	-0.05
Kd of Th-230 in Saturated Zone		5	0.08	9	0.07	11	-0.10	9	-0.09
Kd of Th-228 in Unsaturated Zone 3		20	-0.03	20	-0.03	28	-0.02	29	-0.01
Kd of Th-230 in Unsaturated Zone 3		22	-0.02	22	-0.02	18	0.06	20	0.03
Kd of Th-232 in Unsaturated Zone 3		32	0.00	32	0.00	9	-0.10	15	-0.06
Thickness of contaminated zone		14	0.05	8	0.07	4	0.46	1	0.64
Thickness of Unsaturated zone 1		19	0.03	19	0.03	19	0.05	21	0.03
Thickness of Unsaturated zone 2		10	-0.06	12	-0.05	24	-0.02	25	-0.01
Thickness of Unsaturated zone 3		21	-0.02	21	-0.02	21	0.03	23	0.02
Hydraulic Conductivity of Unsaturated zone 1		18	-0.04	18	-0.03	27	-0.02	28	-0.01
Hydraulic Conductivity of Unsaturated zone 2		4	0.14	7	0.13	25	-0.02	26	-0.01
Hydraulic Conductivity of Unsaturated zone 3		33	0.00	33	0.00	23	-0.03	24	-0.02
Saturated zone hydraulic conductivity		12	-0.05	14	-0.05	31	0.01	31	0.01
Evapotranspiration coefficient		31	-0.01	31	0.00	32	0.01	32	0.01
Wind Speed		7	-0.07	10	-0.07	14	-0.07	19	-0.04
Runoff coefficient		15	0.04	16	0.04	33	-0.01	33	0.00
Inhalation rate		13	0.05	15	0.04	12	0.09	16	0.05
Mass loading for inhalation		11	-0.06	13	-0.05	26	0.02	27	0.01
Outdoor time fraction		3	0.16	6	0.14	3	0.56	4	0.39
Soil ingestion		2	0.27	4	0.25	2	0.56	3	0.39
Aquatic food		8	-0.07	11	-0.06	29	0.02	30	0.01
Depth of soil mixing layer		1	-0.34	2	-0.32	1	-0.61	2	-0.44
Area of contaminated zone		30	-0.01	28	-0.01	5	0.23	5	0.29
R-SQUARE			0.25		0.25		0.68		0.68

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

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		11	0.08	5	0.23	21	-0.03	8	-0.06
Kd of Th-230 in Unsaturated Zone 1		7	0.11	9	0.08	24	-0.02	26	-0.02
Kd of Th-230 in Unsaturated Zone 2		23	-0.02	23	-0.02	22	-0.03	22	-0.02
Kd of Th-230 in Saturated Zone		18	-0.04	18	-0.04	26	0.02	28	0.02
Kd of Th-228 in Contaminated Zone		13	-0.07	3	-0.30	25	0.02	7	0.07
Kd of Th-228 in Unsaturated Zone 1		32	-0.01	32	0.00	10	-0.06	10	-0.04
Kd of Th-228 in Unsaturated Zone 2		25	-0.02	25	-0.01	20	-0.04	18	-0.03
Kd of Th-228 in Saturated Zone		10	-0.08	12	-0.08	28	0.02	12	0.04
Kd of Th-230 in Contaminated Zone		14	0.07	6	0.20	31	-0.01	27	-0.02
Kd of Th-230 in Unsaturated Zone 1		21	0.03	21	0.02	19	-0.04	15	-0.03
Kd of Th-230 in Unsaturated Zone 2		20	-0.04	20	-0.03	12	-0.06	9	-0.05
Kd of Th-230 in Saturated Zone		17	-0.05	17	-0.04	23	0.02	25	0.02
Kd of Th-228 in Unsaturated Zone 3		31	-0.01	31	0.00	14	0.05	19	0.03
Kd of Th-230 in Unsaturated Zone 3		26	-0.02	26	-0.01	9	-0.06	14	-0.03
Kd of Th-232 in Unsaturated Zone 3		6	-0.11	11	-0.08	13	-0.06	17	-0.03
Thickness of contaminated zone		15	0.06	10	0.08	4	0.44	1	0.55
Thickness of Unsaturated zone 1		29	-0.01	29	-0.01	29	0.01	30	0.01
Thickness of Unsaturated zone 2		16	0.06	16	0.04	7	0.09	11	0.04
Thickness of Unsaturated zone 3		8	-0.09	13	-0.07	16	-0.05	21	-0.02
Hydraulic Conductivity of Unsaturated zone 1		12	-0.07	15	-0.05	27	-0.02	29	-0.01
Hydraulic Conductivity of Unsaturated zone 2		33	0.00	33	0.00	11	-0.06	16	-0.03
Hydraulic Conductivity of Unsaturated zone 3		9	-0.09	14	-0.06	17	0.05	23	0.02
Saturated zone hydraulic conductivity		30	-0.01	30	-0.01	8	-0.06	13	-0.03
Evapotranspiration coefficient		27	-0.02	27	-0.01	33	0.00	33	0.00
Wind Speed		19	-0.04	19	-0.03	18	0.04	24	0.02
Runoff coefficient		4	0.16	8	0.11	6	0.16	6	0.08
Inhalation rate		28	-0.01	28	-0.01	30	-0.01	31	-0.01
Mass loading for inhalation		24	0.02	24	0.02	32	0.00	32	0.00
Outdoor time fraction		2	0.40	2	0.31	2	0.61	3	0.39
Soil ingestion		3	0.38	4	0.29	3	0.59	4	0.37
Aquatic food		22	-0.03	22	-0.02	15	0.05	20	0.02
Depth of soil mixing layer		1	-0.58	1	-0.50	1	-0.72	2	-0.52
Area of contaminated zone		5	-0.12	7	-0.15	5	0.20	5	0.23
R-SQUARE			0.53		0.53		0.75		0.75

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

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		4		4		4		4	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		12	-0.06	7	-0.19	27	0.02	11	0.06
Kd of Th-230 in Unsaturated Zone 1		26	0.02	26	0.02	28	-0.02	26	-0.02
Kd of Th-230 in Unsaturated Zone 2		16	-0.04	16	-0.04	9	0.08	9	0.08
Kd of Th-230 in Saturated Zone		19	-0.04	19	-0.03	19	0.05	18	0.04
Kd of Th-228 in Contaminated Zone		9	0.06	2	0.32	17	-0.05	6	-0.17
Kd of Th-228 in Unsaturated Zone 1		31	0.00	31	0.00	18	0.05	16	0.04
Kd of Th-228 in Unsaturated Zone 2		5	-0.12	8	-0.10	24	-0.03	23	-0.02
Kd of Th-228 in Saturated Zone		13	0.05	14	0.04	22	-0.03	8	-0.09
Kd of Th-230 in Contaminated Zone		8	-0.07	4	-0.23	14	0.06	7	0.15
Kd of Th-230 in Unsaturated Zone 1		6	-0.08	10	-0.07	30	0.01	30	0.01
Kd of Th-230 in Unsaturated Zone 2		24	-0.03	23	-0.02	33	0.00	33	0.00
Kd of Th-230 in Saturated Zone		15	-0.04	15	-0.04	31	0.00	31	0.00
Kd of Th-228 in Unsaturated Zone 3		30	0.00	30	0.00	29	-0.02	29	-0.01
Kd of Th-230 in Unsaturated Zone 3		27	-0.01	27	-0.01	7	0.09	12	0.06
Kd of Th-232 in Unsaturated Zone 3		28	0.01	28	0.01	32	0.00	32	0.00
Thickness of contaminated zone		14	0.05	9	0.08	4	0.43	1	0.65
Thickness of Unsaturated zone 1		18	0.04	18	0.03	12	-0.07	17	-0.04
Thickness of Unsaturated zone 2		20	0.04	20	0.03	25	0.03	27	0.02
Thickness of Unsaturated zone 3		33	0.00	33	0.00	20	0.04	22	0.03
Hydraulic Conductivity of Unsaturated zone 1		32	0.00	32	0.00	8	0.09	13	0.05
Hydraulic Conductivity of Unsaturated zone 2		21	0.03	21	0.03	16	-0.05	21	-0.03
Hydraulic Conductivity of Unsaturated zone 3		11	-0.06	13	-0.05	21	-0.03	24	-0.02
Saturated zone hydraulic conductivity		17	-0.04	17	-0.04	26	-0.03	28	-0.02
Evapotranspiration coefficient		10	0.06	12	0.05	13	0.06	19	0.04
Wind Speed		7	-0.08	11	-0.06	11	-0.08	15	-0.05
Runoff coefficient		25	0.03	25	0.02	15	0.06	20	0.04
Inhalation rate		29	-0.01	29	-0.01	23	0.03	25	0.02
Mass loading for inhalation		22	-0.03	22	-0.02	10	-0.08	14	-0.05
Outdoor time fraction		2	0.34	3	0.29	2	0.55	3	0.40
Soil ingestion		3	0.25	5	0.20	3	0.48	4	0.33
Aquatic food		23	-0.03	24	-0.02	6	-0.10	10	-0.06
Depth of soil mixing layer		1	-0.48	1	-0.44	1	-0.56	2	-0.41
Area of contaminated zone		4	-0.13	6	-0.20	5	0.21	5	0.30
R-SQUARE			0.40		0.40		0.63		0.63

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

Coefficients for peak Soil Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		5		5		5		5	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		24	-0.01	10	-0.06	26	0.02	15	0.05
Kd of Th-230 in Unsaturated Zone 1		20	-0.02	22	-0.02	15	0.06	12	0.06
Kd of Th-230 in Unsaturated Zone 2		33	0.00	33	0.00	7	0.13	7	0.13
Kd of Th-230 in Saturated Zone		28	-0.01	28	-0.01	23	-0.04	23	-0.04
Kd of Th-228 in Contaminated Zone		14	0.04	2	0.23	29	-0.02	9	-0.07
Kd of Th-228 in Unsaturated Zone 1		17	0.03	18	0.02	18	0.05	16	0.05
Kd of Th-228 in Unsaturated Zone 2		27	-0.01	26	-0.01	21	-0.04	21	-0.04
Kd of Th-228 in Saturated Zone		21	-0.02	21	-0.02	22	-0.04	6	-0.13
Kd of Th-230 in Contaminated Zone		13	-0.05	5	-0.18	24	0.03	10	0.06
Kd of Th-230 in Unsaturated Zone 1		18	0.03	19	0.02	20	0.04	19	0.05
Kd of Th-230 in Unsaturated Zone 2		16	0.03	17	0.03	14	0.06	11	0.06
Kd of Th-230 in Saturated Zone		12	0.05	15	0.04	19	0.05	20	0.05
Kd of Th-228 in Unsaturated Zone 3		32	0.00	32	0.00	17	0.05	26	0.03
Kd of Th-230 in Unsaturated Zone 3		25	-0.01	25	-0.01	30	0.02	30	0.01
Kd of Th-232 in Unsaturated Zone 3		31	0.00	31	0.00	31	0.01	31	0.01
Thickness of contaminated zone		3	0.12	3	0.21	4	0.47	1	0.67
Thickness of Unsaturated zone 1		9	0.05	12	0.05	32	-0.01	32	-0.01
Thickness of Unsaturated zone 2		19	-0.02	20	-0.02	28	-0.02	29	-0.01
Thickness of Unsaturated zone 3		23	0.02	24	0.01	33	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 1		10	-0.05	13	-0.05	9	0.10	14	0.05
Hydraulic Conductivity of Unsaturated zone 2		29	0.01	29	0.01	8	0.10	13	0.06
Hydraulic Conductivity of Unsaturated zone 3		22	0.02	23	0.02	27	0.02	28	0.01
Saturated zone hydraulic conductivity		26	-0.01	27	-0.01	10	-0.09	17	-0.05
Evapotranspiration coefficient		6	-0.09	8	-0.08	13	-0.06	24	-0.03
Wind Speed		7	0.07	9	0.07	25	-0.02	27	-0.01
Runoff coefficient		30	0.01	30	0.01	12	0.07	22	0.04
Inhalation rate		11	0.05	14	0.05	16	-0.06	25	-0.03
Mass loading for inhalation		8	0.06	11	0.05	6	0.14	8	0.08
Outdoor time fraction		4	0.11	7	0.10	3	0.52	4	0.34
Soil ingestion		2	0.19	4	0.18	2	0.59	3	0.41
Aquatic food		15	-0.04	16	-0.04	11	-0.08	18	-0.05
Depth of soil mixing layer		1	-0.33	1	-0.32	1	-0.64	2	-0.47
Area of contaminated zone		5	0.10	6	0.17	5	0.26	5	0.34
R-SQUARE			0.19		0.19		0.69		0.69

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

Coefficients for peak Water Ingestion Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
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	
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Unsaturated Zone 3	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	
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	
Hydraulic Conductivity of Unsaturated zone 1	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	
Hydraulic Conductivity of Unsaturated zone 3	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	
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	
Runoff coefficient	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	
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	
R-SQUARE		0.00		0.00		0.00		0.00	

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

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

Coefficients for peak Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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		PCC		SRC		PRCC		SRRC		
Coefficient =		3		3		3		3		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	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	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	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	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

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

Coefficients for peak Fish Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Fish Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	1		1		1		1	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE	0.00		0.00		0.00		0.00	

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

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

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE	0.00		0.00		0.00		0.00	

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

PCC 3 SRC 3 PRCC 3 SRRC 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

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

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

PCC 2 SRC 2 PRCC 2 SRRC 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

Coefficients for peak Meat (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

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

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

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

Coefficients for peak Milk (WaterDep.) Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00	

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

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

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

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	0 0.00	0 0.00	0 0.00	0 0.00
R-SQUARE	0.00	0.00	0.00	0.00

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

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

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	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 =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	12	0.05	7	0.14	16	0.04	8	0.06
Kd of Th-230 in Unsaturated Zone 1	16	-0.05	15	-0.04	20	-0.03	19	-0.02
Kd of Th-230 in Unsaturated Zone 2	4	0.13	6	0.18	11	-0.08	9	-0.06
Kd of Th-230 in Saturated Zone	23	-0.02	18	-0.03	19	0.03	18	0.02
Kd of Th-228 in Contaminated Zone	11	-0.06	3	-0.22	14	-0.05	6	-0.11
Kd of Th-228 in Unsaturated Zone 1	33	0.00	33	0.00	22	0.03	23	0.02
Kd of Th-228 in Unsaturated Zone 2	29	0.00	28	-0.01	21	-0.03	21	-0.02
Kd of Th-228 in Saturated Zone	30	0.00	29	-0.01	25	-0.02	11	-0.05
Kd of Th-230 in Contaminated Zone	13	0.05	8	0.13	24	0.02	15	0.04
Kd of Th-230 in Unsaturated Zone 1	14	-0.05	16	-0.04	28	-0.01	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	22	-0.02	23	-0.02	32	0.00	31	0.00
Kd of Th-230 in Saturated Zone	8	-0.09	9	-0.12	8	0.09	7	0.07
Kd of Th-228 in Unsaturated Zone 3	17	-0.04	17	-0.04	15	0.04	20	0.02
Kd of Th-230 in Unsaturated Zone 3	21	-0.03	22	-0.03	12	0.06	16	0.03
Kd of Th-232 in Unsaturated Zone 3	19	-0.04	20	-0.03	29	-0.01	29	-0.01
Thickness of contaminated zone	15	0.05	12	0.07	3	0.57	1	0.75
Thickness of Unsaturated zone 1	28	0.01	30	0.00	6	0.10	10	0.05
Thickness of Unsaturated zone 2	32	0.00	32	0.00	31	0.00	32	0.00
Thickness of Unsaturated zone 3	18	-0.04	19	-0.03	18	0.03	24	0.02
Hydraulic Conductivity of Unsaturated zone 1	5	-0.13	10	-0.10	9	-0.09	13	-0.04
Hydraulic Conductivity of Unsaturated zone 2	31	0.00	31	0.00	17	0.04	22	0.02
Hydraulic Conductivity of Unsaturated zone 3	9	0.06	13	0.05	30	-0.01	30	0.00
Saturated zone hydraulic conductivity	27	0.01	25	0.02	23	0.03	25	0.01
Evapotranspiration coefficient	24	-0.02	24	-0.02	26	0.02	26	0.01
Wind Speed	20	-0.03	21	-0.03	33	0.00	33	0.00
Runoff coefficient	7	0.11	11	0.09	10	0.09	14	0.04
Inhalation rate	25	0.02	26	0.01	27	-0.02	27	-0.01
Mass loading for inhalation	26	0.01	27	0.01	13	-0.05	17	-0.03
Outdoor time fraction	2	0.32	2	0.27	1	0.72	2	0.52
Soil ingestion	3	0.24	4	0.20	4	0.38	5	0.21
Aquatic food	10	-0.06	14	-0.05	7	-0.09	12	-0.05
Depth of soil mixing layer	1	-0.43	1	-0.39	2	-0.58	3	-0.36
Area of contaminated zone	6	-0.12	5	-0.19	5	0.24	4	0.27
R-SQUARE	0.36		0.36		0.75		0.75	

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

-R-SQUARE varies between 0 and 1 and is called the coefficient 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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	19	0.03	8	0.12	26	-0.02	15	-0.04	
Kd of Th-230 in Unsaturated Zone 1	27	-0.01	27	-0.01	11	-0.10	9	-0.08	
Kd of Th-230 in Unsaturated Zone 2	17	0.04	19	0.03	19	-0.05	17	-0.04	
Kd of Th-230 in Saturated Zone	24	-0.01	24	-0.01	6	-0.12	7	-0.09	
Kd of Th-228 in Contaminated Zone	14	-0.05	2	-0.28	28	0.01	20	0.03	
Kd of Th-228 in Unsaturated Zone 1	30	0.00	32	0.00	16	-0.05	16	-0.04	
Kd of Th-228 in Unsaturated Zone 2	26	0.01	26	0.01	13	-0.09	10	-0.06	
Kd of Th-228 in Saturated Zone	31	0.00	31	0.00	8	0.11	6	0.24	
Kd of Th-230 in Contaminated Zone	9	0.07	4	0.23	33	0.00	29	0.01	
Kd of Th-230 in Unsaturated Zone 1	32	0.00	30	0.00	14	-0.07	11	-0.05	
Kd of Th-230 in Unsaturated Zone 2	25	0.01	25	0.01	18	-0.05	18	-0.04	
Kd of Th-230 in Saturated Zone	6	0.08	9	0.07	7	-0.11	8	-0.08	
Kd of Th-228 in Unsaturated Zone 3	20	-0.03	21	-0.02	32	0.00	33	0.00	
Kd of Th-230 in Unsaturated Zone 3	22	-0.02	22	-0.02	20	0.03	22	0.02	
Kd of Th-232 in Unsaturated Zone 3	28	0.01	28	0.01	9	-0.10	13	-0.05	
Thickness of contaminated zone	5	0.10	6	0.15	2	0.60	1	0.78	
Thickness of Unsaturated zone 1	18	0.04	20	0.03	15	0.07	19	0.03	
Thickness of Unsaturated zone 2	10	-0.06	12	-0.05	23	-0.02	25	-0.01	
Thickness of Unsaturated zone 3	23	-0.02	23	-0.01	21	0.03	23	0.02	
Hydraulic Conductivity of Unsaturated zone 1	16	-0.05	18	-0.04	22	-0.03	24	-0.01	
Hydraulic Conductivity of Unsaturated zone 2	4	0.14	7	0.12	31	-0.01	32	0.00	
Hydraulic Conductivity of Unsaturated zone 3	33	0.00	33	0.00	29	-0.01	30	0.00	
Saturated zone hydraulic conductivity	12	-0.06	13	-0.05	30	0.01	31	0.00	
Evapotranspiration coefficient	29	0.01	29	0.01	27	0.02	28	0.01	
Wind Speed	7	-0.07	10	-0.06	17	-0.05	21	-0.03	
Runoff coefficient	11	0.06	14	0.05	10	0.10	12	0.05	
Inhalation rate	15	0.05	16	0.04	12	0.09	14	0.05	
Mass loading for inhalation	13	-0.05	15	-0.05	24	0.02	26	0.01	
Outdoor time fraction	3	0.26	5	0.23	1	0.72	2	0.51	
Soil ingestion	2	0.27	3	0.25	4	0.45	4	0.25	
Aquatic food	8	-0.07	11	-0.06	25	0.02	27	0.01	
Depth of soil mixing layer	1	-0.34	1	-0.31	3	-0.54	3	-0.32	
Area of contaminated zone	21	-0.03	17	-0.04	5	0.23	5	0.24	
R-SQUARE		0.30		0.30		0.76		0.76	

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

Coefficients for peak Pb-210 Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	11 0.08	5 0.22	16 -0.04	8 -0.07
Kd of Th-230 in Unsaturated Zone 1	7 0.11	10 0.07	30 0.00	29 0.00
Kd of Th-230 in Unsaturated Zone 2	24 -0.02	24 -0.01	20 -0.04	17 -0.03
Kd of Th-230 in Saturated Zone	18 -0.05	18 -0.03	14 0.04	13 0.03
Kd of Th-228 in Contaminated Zone	13 -0.07	3 -0.29	24 0.03	7 0.07
Kd of Th-228 in Unsaturated Zone 1	26 -0.02	26 -0.01	22 -0.03	19 -0.02
Kd of Th-228 in Unsaturated Zone 2	27 -0.01	27 -0.01	33 0.00	33 0.00
Kd of Th-228 in Saturated Zone	12 -0.08	12 -0.07	26 0.01	18 0.03
Kd of Th-230 in Contaminated Zone	14 0.07	6 0.19	27 -0.01	21 -0.02
Kd of Th-230 in Unsaturated Zone 1	20 0.04	19 0.03	13 -0.05	14 -0.03
Kd of Th-230 in Unsaturated Zone 2	19 -0.04	20 -0.02	12 -0.05	11 -0.04
Kd of Th-230 in Saturated Zone	16 -0.06	16 -0.04	32 0.00	32 0.00
Kd of Th-228 in Unsaturated Zone 3	33 0.00	33 0.00	8 0.09	10 0.04
Kd of Th-230 in Unsaturated Zone 3	25 -0.02	25 -0.01	10 -0.06	15 -0.03
Kd of Th-232 in Unsaturated Zone 3	8 -0.11	11 -0.07	19 -0.04	24 -0.02
Thickness of contaminated zone	5 0.15	7 0.19	3 0.56	1 0.67
Thickness of Unsaturated zone 1	31 0.00	31 0.00	17 0.04	22 0.02
Thickness of Unsaturated zone 2	17 0.06	17 0.04	7 0.11	9 0.05
Thickness of Unsaturated zone 3	9 -0.09	13 -0.06	11 -0.06	16 -0.03
Hydraulic Conductivity of Unsaturated zone 1	15 -0.07	15 -0.05	29 -0.01	30 0.00
Hydraulic Conductivity of Unsaturated zone 2	32 0.00	32 0.00	15 -0.04	20 -0.02
Hydraulic Conductivity of Unsaturated zone 3	10 -0.09	14 -0.06	28 0.01	28 0.00
Saturated zone hydraulic conductivity	28 -0.01	28 -0.01	9 -0.08	12 -0.03
Evapotranspiration coefficient	30 0.00	30 0.00	25 0.02	27 0.01
Wind Speed	21 -0.03	21 -0.02	31 0.00	31 0.00
Runoff coefficient	4 0.19	9 0.13	5 0.24	6 0.11
Inhalation rate	29 -0.01	29 0.00	23 -0.03	26 -0.01
Mass loading for inhalation	22 0.03	22 0.02	18 0.04	23 0.02
Outdoor time fraction	2 0.54	2 0.42	1 0.74	2 0.50
Soil ingestion	3 0.37	4 0.26	4 0.52	4 0.27
Aquatic food	23 -0.03	23 -0.02	21 0.03	25 0.02
Depth of soil mixing layer	1 -0.56	1 -0.44	2 -0.67	3 -0.41
Area of contaminated zone	6 -0.14	8 -0.17	6 0.18	5 0.18
R-SQUARE	0.60	0.60	0.80	0.80

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

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

Coefficients for peak Pb-210 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	14	-0.06	7	-0.17	26	0.02	16	0.04
Kd of Th-230 in Unsaturated Zone 1	27	0.02	27	0.02	33	-0.01	32	-0.01
Kd of Th-230 in Unsaturated Zone 2	19	-0.04	19	-0.03	10	0.08	9	0.06
Kd of Th-230 in Saturated Zone	17	-0.05	17	-0.03	19	0.05	15	0.04
Kd of Th-228 in Contaminated Zone	12	0.06	3	0.27	21	-0.04	6	-0.12
Kd of Th-228 in Unsaturated Zone 1	28	0.02	28	0.01	25	0.02	26	0.02
Kd of Th-228 in Unsaturated Zone 2	6	-0.13	9	-0.10	20	-0.04	19	-0.03
Kd of Th-228 in Saturated Zone	15	0.05	15	0.04	24	-0.03	8	-0.07
Kd of Th-230 in Contaminated Zone	11	-0.06	6	-0.19	18	0.05	7	0.10
Kd of Th-230 in Unsaturated Zone 1	7	-0.10	10	-0.07	27	0.02	27	0.01
Kd of Th-230 in Unsaturated Zone 2	24	-0.03	24	-0.02	32	-0.01	31	-0.01
Kd of Th-230 in Saturated Zone	16	-0.05	16	-0.04	30	0.01	28	0.01
Kd of Th-228 in Unsaturated Zone 3	33	0.00	33	0.00	23	-0.04	25	-0.02
Kd of Th-230 in Unsaturated Zone 3	26	-0.02	26	-0.02	7	0.10	11	0.06
Kd of Th-232 in Unsaturated Zone 3	29	0.01	29	0.01	29	-0.01	30	-0.01
Thickness of contaminated zone	5	0.13	5	0.19	2	0.53	1	0.75
Thickness of Unsaturated zone 1	21	0.04	21	0.03	15	-0.06	21	-0.03
Thickness of Unsaturated zone 2	25	0.03	25	0.02	28	0.02	29	0.01
Thickness of Unsaturated zone 3	31	0.01	31	0.01	16	0.06	22	0.03
Hydraulic Conductivity of Unsaturated zone 1	32	0.01	32	0.00	8	0.09	12	0.04
Hydraulic Conductivity of Unsaturated zone 2	20	0.04	20	0.03	22	-0.04	24	-0.02
Hydraulic Conductivity of Unsaturated zone 3	10	-0.06	13	-0.05	14	-0.06	20	-0.03
Saturated zone hydraulic conductivity	18	-0.04	18	-0.03	31	-0.01	33	-0.01
Evapotranspiration coefficient	9	0.08	12	0.06	9	0.08	13	0.04
Wind Speed	8	-0.09	11	-0.06	17	-0.05	23	-0.03
Runoff coefficient	13	0.06	14	0.04	6	0.11	10	0.06
Inhalation rate	30	0.01	30	0.01	12	-0.07	17	0.03
Mass loading for inhalation	23	-0.03	23	-0.02	13	-0.07	18	-0.03
Outdoor time fraction	1	0.47	1	0.39	1	0.69	2	0.50
Soil ingestion	3	0.22	8	0.17	4	0.38	4	0.22
Aquatic food	22	-0.03	22	-0.03	11	-0.07	14	-0.04
Depth of soil mixing layer	2	-0.45	2	-0.38	3	-0.48	3	-0.29
Area of contaminated zone	4	-0.15	4	-0.21	5	0.16	5	0.20
R-SQUARE		0.48		0.48		0.73		0.73

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

-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	-0.01	11	-0.04	24	0.03	11	0.07
Kd of Th-230 in Unsaturated Zone 1	20	-0.02	21	-0.02	21	0.04	19	0.04
Kd of Th-230 in Unsaturated Zone 2	33	0.00	33	0.00	7	0.10	7	0.09
Kd of Th-230 in Saturated Zone	30	-0.01	30	-0.01	15	-0.07	13	-0.06
Kd of Th-228 in Contaminated Zone	15	0.04	3	0.21	23	-0.04	6	-0.11
Kd of Th-228 in Unsaturated Zone 1	17	0.03	18	0.02	14	0.07	14	0.06
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	29	-0.01	22	-0.04	22	-0.04
Kd of Th-228 in Saturated Zone	23	-0.01	23	-0.01	28	-0.03	9	-0.08
Kd of Th-230 in Contaminated Zone	13	-0.04	6	-0.16	19	0.05	8	0.09
Kd of Th-230 in Unsaturated Zone 1	18	0.02	19	0.02	27	0.03	25	0.03
Kd of Th-230 in Unsaturated Zone 2	14	0.04	16	0.04	13	0.07	12	0.06
Kd of Th-230 in Saturated Zone	11	0.05	14	0.04	18	0.05	15	0.04
Kd of Th-228 in Unsaturated Zone 3	32	0.00	32	0.00	20	0.05	26	0.02
Kd of Th-230 in Unsaturated Zone 3	24	-0.01	25	-0.01	25	0.03	27	0.02
Kd of Th-232 in Unsaturated Zone 3	31	0.00	31	0.00	30	0.02	30	0.01
Thickness of contaminated zone	4	0.15	2	0.26	2	0.58	1	0.81
Thickness of Unsaturated zone 1	10	0.05	12	0.04	33	0.00	33	0.00
Thickness of Unsaturated zone 2	19	-0.02	20	-0.02	26	-0.03	28	-0.02
Thickness of Unsaturated zone 3	26	0.01	26	0.01	16	-0.06	23	-0.03
Hydraulic Conductivity of Unsaturated zone 1	12	-0.04	15	-0.04	9	0.08	17	0.04
Hydraulic Conductivity of Unsaturated zone 2	25	0.01	27	0.01	10	0.08	18	0.04
Hydraulic Conductivity of Unsaturated zone 3	21	0.02	22	0.01	29	0.02	29	0.01
Saturated zone hydraulic conductivity	27	-0.01	28	-0.01	8	-0.08	16	-0.04
Evapotranspiration coefficient	5	-0.08	8	-0.07	32	-0.01	32	0.00
Wind Speed	7	0.07	9	0.06	31	-0.02	31	-0.01
Runoff coefficient	22	0.01	24	0.01	12	0.07	21	0.04
Inhalation rate	9	0.05	13	0.04	11	-0.07	20	-0.04
Mass loading for inhalation	8	0.06	10	0.05	6	0.14	10	0.07
Outdoor time fraction	3	0.18	5	0.17	1	0.67	2	0.46
Soil ingestion	2	0.19	4	0.18	4	0.46	5	0.26
Aquatic food	16	-0.03	17	-0.03	17	-0.05	24	-0.03
Depth of soil mixing layer	1	-0.33	1	-0.32	3	-0.56	3	-0.34
Area of contaminated zone	6	0.08	7	0.13	5	0.23	4	0.27
R-SQUARE		0.22		0.22		0.75		0.75

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

-R-SQUARE varies between 0 and 1 and is called the coefficient 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 =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	25	-0.02	10	-0.03	10	0.08	5	0.09	
Kd of Th-230 in Unsaturated Zone 1	9	-0.06	12	-0.02	31	0.00	30	0.00	
Kd of Th-230 in Unsaturated Zone 2	19	0.03	14	0.02	16	-0.06	15	-0.03	
Kd of Th-230 in Saturated Zone	33	0.00	31	0.00	13	0.07	12	0.03	
Kd of Th-228 in Contaminated Zone	21	0.03	4	0.05	8	-0.09	3	-0.14	
Kd of Th-228 in Unsaturated Zone 1	18	0.03	24	0.01	12	0.07	13	0.03	
Kd of Th-228 in Unsaturated Zone 2	28	-0.01	21	-0.01	33	0.00	33	0.00	
Kd of Th-228 in Saturated Zone	27	-0.02	16	-0.02	23	-0.03	7	-0.05	
Kd of Th-230 in Contaminated Zone	14	-0.04	5	-0.05	20	0.05	6	0.05	
Kd of Th-230 in Unsaturated Zone 1	6	-0.11	7	-0.04	29	-0.01	26	-0.01	
Kd of Th-230 in Unsaturated Zone 2	26	-0.02	28	-0.01	24	-0.02	24	-0.01	
Kd of Th-230 in Saturated Zone	30	0.01	29	0.01	7	0.09	8	0.05	
Kd of Th-228 in Unsaturated Zone 3	13	-0.04	18	-0.02	26	-0.02	27	-0.01	
Kd of Th-230 in Unsaturated Zone 3	24	-0.02	27	-0.01	4	0.12	9	0.04	
Kd of Th-232 in Unsaturated Zone 3	17	-0.03	23	-0.01	27	0.01	28	0.00	
Thickness of contaminated zone	2	0.54	2	0.45	2	0.72	1	0.77	
Thickness of Unsaturated zone 1	22	0.02	26	0.01	15	0.06	18	0.02	
Thickness of Unsaturated zone 2	20	-0.03	25	-0.01	28	0.01	29	0.00	
Thickness of Unsaturated zone 3	11	0.05	15	0.02	21	0.05	22	0.02	
Hydraulic Conductivity of Unsaturated zone 1	5	-0.11	8	-0.04	17	-0.06	20	-0.02	
Hydraulic Conductivity of Unsaturated zone 2	15	-0.04	20	-0.01	14	0.06	17	0.02	
Hydraulic Conductivity of Unsaturated zone 3	8	-0.07	11	-0.02	11	0.08	16	0.03	
Saturated zone hydraulic conductivity	23	-0.02	19	-0.02	22	0.05	23	0.02	
Evapotranspiration coefficient	10	0.06	13	0.02	9	0.09	14	0.03	
Wind Speed	7	0.10	9	0.04	25	0.02	25	0.01	
Runoff coefficient	4	0.12	6	0.05	5	0.11	10	0.04	
Inhalation rate	29	0.01	30	0.00	32	0.00	32	0.00	
Mass loading for inhalation	12	0.04	17	0.02	18	-0.06	19	-0.02	
Outdoor time fraction	1	0.89	1	0.71	1	0.89	2	0.66	
Soil ingestion	16	-0.03	22	-0.01	6	-0.10	11	-0.04	
Aquatic food	32	0.00	33	0.00	30	-0.01	31	0.00	
Depth of soil mixing layer	31	0.00	32	0.00	19	-0.05	21	-0.02	
Area of contaminated zone	3	-0.27	3	-0.19	3	0.16	4	0.12	
R-SQUARE		0.87		0.87		0.89		0.89	

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

Coefficients for peak Ra-226 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	24	0.02	14	0.02	18	0.02	12	0.03	
Kd of Th-230 in Unsaturated Zone 1	29	0.01	29	0.00	9	-0.09	9	-0.04	
Kd of Th-230 in Unsaturated Zone 2	31	0.00	32	0.00	15	-0.04	14	-0.02	
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	6	-0.11	6	-0.05	
Kd of Th-228 in Contaminated Zone	22	-0.02	6	-0.05	22	-0.02	11	-0.03	
Kd of Th-228 in Unsaturated Zone 1	25	-0.01	26	-0.01	16	0.04	18	0.02	
Kd of Th-228 in Unsaturated Zone 2	12	-0.07	10	-0.03	30	0.01	30	0.00	
Kd of Th-228 in Saturated Zone	7	0.11	8	0.04	13	0.06	3	0.08	
Kd of Th-230 in Contaminated Zone	26	0.01	16	0.02	20	0.02	16	0.02	
Kd of Th-230 in Unsaturated Zone 1	14	0.05	15	0.02	19	-0.02	21	-0.01	
Kd of Th-230 in Unsaturated Zone 2	28	0.01	28	0.00	31	0.00	31	0.00	
Kd of Th-230 in Saturated Zone	32	0.00	31	0.00	8	-0.10	7	-0.05	
Kd of Th-228 in Unsaturated Zone 3	20	0.02	23	0.01	21	0.02	22	0.01	
Kd of Th-230 in Unsaturated Zone 3	27	-0.01	27	0.00	28	-0.01	28	0.00	
Kd of Th-232 in Unsaturated Zone 3	9	0.07	11	0.03	29	0.01	29	0.00	
Thickness of contaminated zone	2	0.59	2	0.48	2	0.76	1	0.77	
Thickness of Unsaturated zone 1	8	0.09	9	0.03	10	0.09	13	0.03	
Thickness of Unsaturated zone 2	19	-0.02	22	-0.01	25	-0.01	25	0.00	
Thickness of Unsaturated zone 3	23	0.02	25	0.01	11	0.07	15	0.02	
Hydraulic Conductivity of Unsaturated zone 1	6	-0.11	7	-0.04	5	-0.11	10	-0.03	
Hydraulic Conductivity of Unsaturated zone 2	30	0.01	30	0.00	32	0.00	32	0.00	
Hydraulic Conductivity of Unsaturated zone 3	15	0.04	18	0.02	33	0.00	33	0.00	
Saturated zone hydraulic conductivity	13	-0.05	17	-0.02	14	0.05	19	0.02	
Evapotranspiration coefficient	4	0.13	4	0.05	4	0.13	8	0.04	
Wind Speed	16	-0.03	19	-0.01	26	0.01	26	0.00	
Runoff coefficient	5	0.13	5	0.05	3	0.20	5	0.06	
Inhalation rate	11	0.07	13	0.02	12	0.06	17	0.02	
Mass loading for inhalation	17	0.03	20	0.01	24	0.02	24	0.00	
Outdoor time fraction	1	0.87	1	0.65	1	0.90	2	0.64	
Soil ingestion	10	0.07	12	0.03	23	0.02	23	0.00	
Aquatic food	18	-0.03	21	-0.01	17	0.04	20	0.01	
Depth of soil mixing layer	21	-0.02	24	-0.01	27	0.01	27	0.00	
Area of contaminated zone	3	-0.30	3	-0.21	7	0.10	4	0.07	
R-SQUARE		0.87		0.87		0.91		0.91	

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

Coefficients for peak Ra-226 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		19	0.04	7	0.06	16	-0.04	6	-0.05
Kd of Th-230 in Unsaturated Zone 1		12	0.05	15	0.02	26	0.01	25	0.00
Kd of Th-230 in Unsaturated Zone 2		20	0.03	20	0.01	19	-0.03	20	-0.01
Kd of Th-230 in Saturated Zone		27	-0.01	26	-0.01	24	0.01	24	0.01
Kd of Th-228 in Contaminated Zone		16	-0.04	4	-0.10	17	0.03	5	0.06
Kd of Th-228 in Unsaturated Zone 1		25	-0.02	25	-0.01	10	0.06	12	0.03
Kd of Th-228 in Unsaturated Zone 2		24	0.03	24	0.01	28	0.01	26	0.00
Kd of Th-228 in Saturated Zone		31	0.00	31	0.00	23	0.01	15	0.02
Kd of Th-230 in Contaminated Zone		18	0.04	6	0.07	18	-0.03	7	-0.04
Kd of Th-230 in Unsaturated Zone 1		13	0.05	13	0.02	32	0.00	31	0.00
Kd of Th-230 in Unsaturated Zone 2		32	0.00	32	0.00	22	0.01	23	0.01
Kd of Th-230 in Saturated Zone		8	-0.06	11	-0.02	13	-0.05	13	-0.03
Kd of Th-228 in Unsaturated Zone 3		23	0.03	23	0.01	30	0.00	30	0.00
Kd of Th-230 in Unsaturated Zone 3		28	0.01	28	0.01	14	-0.05	18	-0.02
Kd of Th-232 in Unsaturated Zone 3		29	0.01	29	0.00	25	-0.01	27	0.00
Thickness of contaminated zone		2	0.57	2	0.49	2	0.71	1	0.75
Thickness of Unsaturated zone 1		15	0.05	18	0.02	15	0.05	19	0.02
Thickness of Unsaturated zone 2		14	0.05	17	0.02	9	0.07	14	0.02
Thickness of Unsaturated zone 3		17	-0.04	19	-0.02	29	-0.01	29	0.00
Hydraulic Conductivity of Unsaturated zone 1		21	-0.03	21	-0.01	33	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 2		22	0.03	22	0.01	27	-0.01	28	0.00
Hydraulic Conductivity of Unsaturated zone 3		7	-0.07	10	-0.02	6	-0.09	9	-0.03
Saturated zone hydraulic conductivity		26	0.02	27	0.01	21	-0.02	22	-0.01
Evapotranspiration coefficient		10	0.06	14	0.02	5	0.11	8	0.04
Wind Speed		6	0.09	9	0.03	11	0.05	16	0.02
Runoff coefficient		4	0.21	5	0.08	3	0.25	4	0.09
Inhalation rate		33	0.00	33	0.00	12	-0.05	17	-0.02
Mass loading for inhalation		11	0.05	16	0.02	7	0.08	11	0.03
Outdoor time fraction		1	0.88	1	0.70	1	0.90	2	0.69
Soil ingestion		9	0.06	12	0.02	20	0.03	21	0.01
Aquatic food		30	-0.01	30	0.00	31	0.00	32	0.00
Depth of soil mixing layer		5	-0.11	8	-0.04	8	-0.08	10	-0.03
Area of contaminated zone		3	-0.22	3	-0.15	4	0.16	3	0.12
R-SQUARE			0.87		0.87		0.89		0.89

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

Coefficients for peak Ra-226 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	-0.01	28	-0.01	21	-0.03	6	-0.04
Kd of Th-230 in Unsaturated Zone 1	24	-0.02	26	-0.01	33	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 2	33	0.00	33	0.00	22	0.03	17	0.02
Kd of Th-230 in Saturated Zone	13	-0.08	15	-0.03	12	0.05	12	0.03
Kd of Th-228 in Contaminated Zone	26	-0.02	8	-0.06	32	0.00	31	0.00
Kd of Th-228 in Unsaturated Zone 1	9	0.11	10	0.04	30	0.01	29	0.00
Kd of Th-228 in Unsaturated Zone 2	10	-0.10	12	-0.04	10	-0.06	10	-0.03
Kd of Th-228 in Saturated Zone	22	0.03	23	0.01	27	-0.01	16	-0.02
Kd of Th-230 in Contaminated Zone	18	0.05	4	0.07	23	0.03	9	0.03
Kd of Th-230 in Unsaturated Zone 1	4	-0.17	5	-0.06	28	-0.01	28	0.00
Kd of Th-230 in Unsaturated Zone 2	23	-0.03	24	-0.01	8	-0.08	8	-0.04
Kd of Th-230 in Saturated Zone	21	-0.04	21	-0.02	15	0.04	13	0.02
Kd of Th-228 in Unsaturated Zone 3	29	0.02	30	0.01	25	-0.02	26	-0.01
Kd of Th-230 in Unsaturated Zone 3	11	-0.09	13	-0.03	11	0.06	15	0.02
Kd of Th-232 in Unsaturated Zone 3	28	0.02	29	0.01	24	0.03	25	0.01
Thickness of contaminated zone	2	0.55	2	0.47	2	0.71	1	0.79
Thickness of Unsaturated zone 1	31	-0.01	32	0.00	14	-0.04	19	-0.01
Thickness of Unsaturated zone 2	17	-0.05	19	-0.02	31	-0.01	32	0.00
Thickness of Unsaturated zone 3	12	0.09	14	0.03	7	0.08	11	0.03
Hydraulic Conductivity of Unsaturated zone 1	27	0.02	27	0.01	29	0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 2	8	0.11	11	0.04	26	-0.02	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	16	-0.06	18	-0.02	18	-0.04	22	-0.01
Saturated zone hydraulic conductivity	25	-0.02	25	-0.01	13	-0.04	18	-0.01
Evapotranspiration coefficient	7	0.12	9	0.05	6	0.12	7	0.04
Wind Speed	14	-0.07	16	-0.03	17	-0.04	21	-0.01
Runoff coefficient	6	0.14	7	0.06	3	0.18	4	0.06
Inhalation rate	5	0.17	6	0.06	4	0.16	5	0.05
Mass loading for inhalation	30	-0.01	31	0.00	19	-0.04	23	-0.01
Outdoor time fraction	1	0.87	1	0.65	1	0.88	2	0.63
Soil ingestion	15	-0.07	17	-0.03	16	-0.04	20	-0.01
Aquatic food	19	-0.04	20	-0.02	20	-0.04	24	-0.01
Depth of soil mixing layer	20	0.04	22	0.02	9	0.06	14	0.02
Area of contaminated zone	3	-0.27	3	-0.20	5	0.14	3	0.11
R-SQUARE		0.87		0.87		0.88		0.88

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

Coefficients for peak Ra-226 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	16	0.03	6	0.05	16	0.06	7	0.07
Kd of Th-230 in Unsaturated Zone 1	13	0.03	14	0.01	10	0.08	11	0.05
Kd of Th-230 in Unsaturated Zone 2	27	0.01	27	0.00	4	0.13	8	0.07
Kd of Th-230 in Saturated Zone	30	0.00	30	0.00	31	0.01	27	0.01
Kd of Th-228 in Contaminated Zone	12	-0.04	4	-0.10	14	-0.08	4	-0.15
Kd of Th-228 in Unsaturated Zone 1	31	0.00	31	0.00	3	0.14	6	0.08
Kd of Th-228 in Unsaturated Zone 2	29	0.01	29	0.00	20	0.05	14	0.03
Kd of Th-228 in Saturated Zone	4	0.10	7	0.04	9	-0.08	3	-0.17
Kd of Th-230 in Contaminated Zone	9	0.05	5	0.09	7	0.09	5	0.12
Kd of Th-230 in Unsaturated Zone 1	26	-0.02	26	-0.01	17	0.06	13	0.04
Kd of Th-230 in Unsaturated Zone 2	7	0.08	10	0.03	6	0.12	9	0.07
Kd of Th-230 in Saturated Zone	10	0.04	12	0.02	21	0.03	19	0.02
Kd of Th-228 in Unsaturated Zone 3	22	-0.02	22	-0.01	25	-0.02	25	-0.01
Kd of Th-230 in Unsaturated Zone 3	28	0.01	28	0.00	28	0.01	29	0.00
Kd of Th-232 in Unsaturated Zone 3	20	-0.03	20	-0.01	18	-0.05	20	-0.02
Thickness of contaminated zone	2	0.52	2	0.44	2	0.72	1	0.77
Thickness of Unsaturated zone 1	32	0.00	32	0.00	29	0.01	30	0.00
Thickness of Unsaturated zone 2	21	0.02	21	0.01	30	-0.01	31	0.00
Thickness of Unsaturated zone 3	15	-0.03	16	-0.01	15	-0.07	18	-0.02
Hydraulic Conductivity of Unsaturated zone 1	5	0.10	8	0.04	5	0.12	12	0.04
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	23	0.01	23	0.03	23	0.01
Hydraulic Conductivity of Unsaturated zone 3	25	-0.02	25	-0.01	27	0.02	28	0.01
Saturated zone hydraulic conductivity	19	0.03	19	0.01	26	-0.02	26	-0.01
Evapotranspiration coefficient	11	0.04	13	0.02	32	-0.01	32	0.00
Wind Speed	6	-0.10	9	-0.04	11	-0.08	15	-0.03
Runoff coefficient	8	0.08	11	0.03	13	0.08	17	0.03
Inhalation rate	24	-0.02	24	-0.01	22	-0.03	22	-0.01
Mass loading for inhalation	18	0.03	18	0.01	24	0.03	24	0.01
Outdoor time fraction	1	0.86	1	0.63	1	0.89	2	0.62
Soil ingestion	17	-0.03	17	-0.01	12	-0.08	16	-0.03
Aquatic food	14	0.03	15	0.01	19	0.05	21	0.02
Depth of soil mixing layer	33	0.00	33	0.00	33	-0.01	33	0.00
Area of contaminated zone	3	-0.35	3	-0.26	8	0.09	10	0.07
R-SQUARE		0.86		0.86		0.90		0.90

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

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

Coefficients for peak Ra-228 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		20	0.04	11	0.11	23	0.03	11	0.04
Kd of Th-230 in Unsaturated Zone 1		21	-0.04	21	-0.03	27	-0.02	26	-0.01
Kd of Th-230 in Unsaturated Zone 2		8	0.11	8	0.14	13	-0.06	14	-0.03
Kd of Th-230 in Saturated Zone		27	-0.01	25	-0.01	33	0.01	33	0.00
Kd of Th-228 in Contaminated Zone		13	-0.06	3	-0.22	21	-0.04	8	-0.06
Kd of Th-228 in Unsaturated Zone 1		24	-0.02	24	-0.01	32	0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 2		30	0.00	27	-0.01	31	-0.01	31	-0.01
Kd of Th-228 in Saturated Zone		33	0.00	33	0.00	26	-0.02	13	-0.03
Kd of Th-230 in Contaminated Zone		14	0.06	7	0.14	29	0.02	22	0.02
Kd of Th-230 in Unsaturated Zone 1		23	-0.02	23	-0.02	30	-0.01	30	-0.01
Kd of Th-230 in Unsaturated Zone 2		25	-0.01	26	-0.01	20	0.04	17	0.02
Kd of Th-230 in Saturated Zone		9	-0.09	10	-0.12	10	0.09	9	0.05
Kd of Th-228 in Unsaturated Zone 3		19	-0.04	20	-0.03	11	0.09	15	0.03
Kd of Th-230 in Unsaturated Zone 3		22	-0.03	22	-0.02	18	0.05	23	0.02
Kd of Th-232 in Unsaturated Zone 3		32	0.00	32	0.00	14	-0.06	18	-0.02
Thickness of contaminated zone		5	0.20	2	0.29	3	0.66	1	0.68
Thickness of Unsaturated zone 1		29	-0.01	31	0.00	8	0.11	10	0.04
Thickness of Unsaturated zone 2		26	-0.01	28	-0.01	28	-0.02	29	-0.01
Thickness of Unsaturated zone 3		12	-0.06	16	-0.05	17	-0.05	21	-0.02
Hydraulic Conductivity of Unsaturated zone 1		7	-0.11	12	-0.08	22	0.03	25	0.01
Hydraulic Conductivity of Unsaturated zone 2		15	-0.05	17	-0.04	12	0.08	16	0.03
Hydraulic Conductivity of Unsaturated zone 3		17	0.05	19	0.04	19	-0.05	24	-0.02
Saturated zone hydraulic conductivity		31	0.00	29	-0.01	16	0.05	20	0.02
Evapotranspiration coefficient		28	0.01	30	0.01	25	0.02	28	0.01
Wind Speed		4	-0.24	6	-0.19	5	-0.54	5	-0.23
Runoff coefficient		10	0.08	14	0.06	9	0.10	12	0.04
Inhalation rate		6	0.17	9	0.13	6	0.35	6	0.13
Mass loading for inhalation		2	0.27	4	0.21	4	0.61	4	0.28
Outdoor time fraction		3	0.27	5	0.21	2	0.71	3	0.36
Soil ingestion		16	0.05	18	0.04	15	-0.06	19	-0.02
Aquatic food		11	-0.07	15	-0.05	24	-0.02	27	-0.01
Depth of soil mixing layer		1	-0.46	1	-0.40	1	-0.79	2	-0.46
Area of contaminated zone		18	-0.05	13	-0.07	7	0.11	7	0.09
R-SQUARE		0.45		0.45		0.87		0.87	

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

Coefficients for peak Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	15	0.06	7	0.20	22	0.06	11	0.06
Kd of Th-230 in Unsaturated Zone 1	20	-0.03	20	-0.03	7	-0.18	9	-0.09
Kd of Th-230 in Unsaturated Zone 2	17	0.05	18	0.03	28	-0.04	23	-0.02
Kd of Th-230 in Saturated Zone	23	-0.02	23	-0.02	10	-0.11	14	-0.05
Kd of Th-228 in Contaminated Zone	9	-0.09	1	-0.41	18	-0.06	8	-0.10
Kd of Th-228 in Unsaturated Zone 1	27	0.02	27	0.01	23	-0.05	19	-0.02
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	28	-0.01	31	-0.02	31	-0.01
Kd of Th-228 in Saturated Zone	21	-0.02	21	-0.02	9	0.12	6	0.18
Kd of Th-230 in Contaminated Zone	10	0.09	4	0.27	24	0.05	13	0.05
Kd of Th-230 in Unsaturated Zone 1	18	-0.04	17	-0.04	13	-0.09	15	-0.04
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	30	-0.01	19	-0.06	18	-0.03
Kd of Th-230 in Saturated Zone	25	0.02	25	0.02	14	-0.08	16	-0.04
Kd of Th-228 in Unsaturated Zone 3	19	-0.04	19	-0.03	26	-0.05	27	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.02	26	-0.02	16	0.07	21	0.02
Kd of Th-232 in Unsaturated Zone 3	24	0.02	24	0.02	25	-0.05	26	-0.02
Thickness of contaminated zone	6	0.22	3	0.31	3	0.71	1	0.69
Thickness of Unsaturated zone 1	11	0.09	12	0.07	21	0.06	25	0.02
Thickness of Unsaturated zone 2	7	-0.11	10	-0.08	33	0.00	33	0.00
Thickness of Unsaturated zone 3	14	-0.06	15	-0.05	29	0.03	29	0.01
Hydraulic Conductivity of Unsaturated zone 1	12	-0.07	13	-0.05	32	0.00	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	8	0.10	11	0.08	17	0.06	22	0.02
Hydraulic Conductivity of Unsaturated zone 3	32	0.01	32	0.00	27	-0.05	28	-0.01
Saturated zone hydraulic conductivity	22	0.02	22	0.02	30	-0.03	30	-0.01
Evapotranspiration coefficient	13	-0.06	14	-0.05	12	0.09	17	0.03
Wind Speed	3	-0.26	6	-0.21	5	-0.61	5	-0.24
Runoff coefficient	31	-0.01	31	-0.01	8	0.18	12	0.06
Inhalation rate	2	0.28	5	0.22	6	0.47	7	0.17
Mass loading for inhalation	4	0.26	8	0.20	4	0.65	4	0.27
Outdoor time fraction	5	0.23	9	0.18	2	0.76	3	0.37
Soil ingestion	28	-0.01	29	-0.01	20	0.06	24	0.02
Aquatic food	16	-0.05	16	-0.04	15	0.07	20	0.02
Depth of soil mixing layer	1	-0.46	2	-0.39	1	-0.80	2	-0.43
Area of contaminated zone	33	0.00	33	0.00	11	0.09	10	0.06
R-SQUARE	0.45		0.45		0.90		0.90	

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

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

Coefficients for peak Ra-228 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		14	0.07	4	0.21	14	-0.05	7	-0.06
Kd of Th-230 in Unsaturated Zone 1		21	-0.05	22	-0.04	15	0.05	18	0.02
Kd of Th-230 in Unsaturated Zone 2		25	-0.03	25	-0.02	13	-0.07	14	-0.04
Kd of Th-230 in Saturated Zone		22	-0.04	23	-0.04	33	0.00	33	0.00
Kd of Th-228 in Contaminated Zone		17	-0.07	2	-0.30	24	0.02	12	0.04
Kd of Th-228 in Unsaturated Zone 1		26	-0.03	26	-0.02	22	-0.03	21	-0.01
Kd of Th-228 in Unsaturated Zone 2		15	-0.07	17	-0.05	26	0.02	25	0.01
Kd of Th-228 in Saturated Zone		23	0.04	20	0.04	20	0.03	10	0.05
Kd of Th-230 in Contaminated Zone		20	0.05	9	0.16	31	-0.01	22	-0.01
Kd of Th-230 in Unsaturated Zone 1		32	0.01	32	0.00	10	-0.10	9	-0.05
Kd of Th-230 in Unsaturated Zone 2		24	-0.03	24	-0.02	16	-0.05	17	-0.03
Kd of Th-230 in Saturated Zone		27	-0.02	27	-0.02	29	-0.01	27	-0.01
Kd of Th-228 in Unsaturated Zone 3		31	-0.02	31	-0.01	8	0.13	11	0.04
Kd of Th-230 in Unsaturated Zone 3		29	-0.02	29	-0.01	18	-0.03	23	-0.01
Kd of Th-232 in Unsaturated Zone 3		16	-0.07	18	-0.05	27	-0.02	29	-0.01
Thickness of contaminated zone		8	0.10	10	0.14	4	0.63	1	0.61
Thickness of Unsaturated zone 1		12	-0.08	15	-0.06	32	0.00	32	0.00
Thickness of Unsaturated zone 2		18	0.06	19	0.05	12	0.10	16	0.03
Thickness of Unsaturated zone 3		19	-0.05	21	-0.04	11	-0.10	15	-0.03
Hydraulic Conductivity of Unsaturated zone 1		30	0.02	30	0.01	19	0.03	24	0.01
Hydraulic Conductivity of Unsaturated zone 2		28	-0.02	28	-0.01	28	0.02	30	0.01
Hydraulic Conductivity of Unsaturated zone 3		11	-0.09	14	-0.06	17	-0.04	20	-0.01
Saturated zone hydraulic conductivity		33	0.00	33	0.00	21	0.03	26	0.01
Evapotranspiration coefficient		13	-0.07	16	-0.06	25	0.02	28	0.01
Wind Speed		3	-0.25	6	-0.19	5	-0.51	5	-0.20
Runoff coefficient		7	0.12	11	0.09	7	0.16	8	0.05
Inhalation rate		5	0.22	8	0.16	6	0.36	6	0.13
Mass loading for inhalation		4	0.24	7	0.19	3	0.67	4	0.30
Outdoor time fraction		2	0.34	3	0.27	2	0.75	3	0.38
Soil ingestion		9	-0.09	12	-0.07	30	0.01	31	0.00
Aquatic food		10	-0.09	13	-0.07	9	0.12	13	0.04
Depth of soil mixing layer		1	-0.50	1	-0.42	1	-0.81	2	-0.47
Area of contaminated zone		6	-0.14	5	-0.20	23	0.02	19	0.02
R-SQUARE			0.48		0.48		0.89		0.89

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

Coefficients for peak Ra-228 Dose		PCC		SRC		PRCC		SRRC	
Coefficient =		4		4		4		4	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	12	-0.06	6	-0.19	27	0.02	16	0.02	
Kd of Th-230 in Unsaturated Zone 1	27	0.01	28	0.01	33	0.00	33	0.00	
Kd of Th-230 in Unsaturated Zone 2	25	-0.01	26	-0.01	14	0.06	14	0.03	
Kd of Th-230 in Saturated Zone	22	0.03	22	0.02	32	0.01	31	0.00	
Kd of Th-228 in Contaminated Zone	11	0.06	4	0.29	21	-0.03	7	-0.06	
Kd of Th-228 in Unsaturated Zone 1	33	0.00	33	0.00	30	-0.01	29	0.00	
Kd of Th-228 in Unsaturated Zone 2	20	-0.04	20	-0.03	12	-0.06	13	-0.03	
Kd of Th-228 in Saturated Zone	32	0.00	32	0.00	28	0.01	20	0.02	
Kd of Th-230 in Contaminated Zone	13	-0.06	7	-0.18	20	0.03	8	0.04	
Kd of Th-230 in Unsaturated Zone 1	9	-0.07	12	-0.05	19	-0.04	17	-0.02	
Kd of Th-230 in Unsaturated Zone 2	18	-0.04	18	-0.03	11	-0.07	11	-0.04	
Kd of Th-230 in Saturated Zone	23	-0.02	23	-0.02	23	-0.03	25	-0.01	
Kd of Th-228 in Unsaturated Zone 3	31	0.00	31	0.00	13	0.06	19	0.02	
Kd of Th-230 in Unsaturated Zone 3	24	-0.02	24	-0.02	31	0.01	32	0.00	
Kd of Th-232 in Unsaturated Zone 3	21	-0.03	21	-0.02	17	0.05	23	0.02	
Thickness of contaminated zone	4	0.28	1	0.40	3	0.64	1	0.67	
Thickness of Unsaturated zone 1	30	0.00	30	0.00	26	0.02	28	0.01	
Thickness of Unsaturated zone 2	26	0.01	27	0.01	24	0.02	26	0.01	
Thickness of Unsaturated zone 3	28	-0.01	29	0.00	7	0.12	9	0.04	
Hydraulic Conductivity of Unsaturated zone 1	14	0.06	14	0.04	10	0.08	15	0.03	
Hydraulic Conductivity of Unsaturated zone 2	19	-0.04	19	-0.03	15	-0.05	21	-0.02	
Hydraulic Conductivity of Unsaturated zone 3	17	-0.05	17	-0.03	8	-0.11	10	-0.04	
Saturated zone hydraulic conductivity	15	-0.05	15	-0.04	25	-0.02	27	-0.01	
Evapotranspiration coefficient	10	0.07	13	0.05	29	-0.01	30	0.00	
Wind Speed	3	-0.30	5	-0.23	5	-0.53	5	-0.22	
Runoff coefficient	8	0.08	11	0.06	9	0.10	12	0.03	
Inhalation rate	6	0.13	9	0.10	6	0.47	6	0.19	
Mass loading for inhalation	5	0.20	8	0.15	4	0.58	4	0.25	
Outdoor time fraction	2	0.39	3	0.31	2	0.72	3	0.37	
Soil ingestion	7	-0.09	10	-0.06	18	-0.04	24	-0.02	
Aquatic food	16	-0.05	16	-0.04	16	0.05	22	0.02	
Depth of soil mixing layer	1	-0.46	2	-0.38	1	-0.75	2	-0.41	
Area of contaminated zone	29	-0.01	25	-0.01	22	0.03	18	0.02	
R-SQUARE		0.50		0.50		0.88		0.88	

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

Coefficients for peak Ra-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	17	-0.03	9	-0.11	23	0.03	10	0.05
Kd of Th-230 in Unsaturated Zone 1	16	-0.03	17	-0.03	17	0.05	15	0.03
Kd of Th-230 in Unsaturated Zone 2	19	-0.03	19	-0.02	27	-0.01	27	-0.01
Kd of Th-230 in Saturated Zone	23	0.02	23	0.01	14	-0.06	12	-0.04
Kd of Th-228 in Contaminated Zone	12	0.05	3	0.26	18	-0.05	7	-0.11
Kd of Th-228 in Unsaturated Zone 1	13	0.04	14	0.03	28	-0.01	28	-0.01
Kd of Th-228 in Unsaturated Zone 2	26	-0.01	27	-0.01	21	-0.04	20	-0.03
Kd of Th-228 in Saturated Zone	27	-0.01	26	-0.01	33	0.00	29	0.00
Kd of Th-230 in Contaminated Zone	11	-0.05	6	-0.18	24	0.03	11	0.05
Kd of Th-230 in Unsaturated Zone 1	18	0.03	18	0.03	20	0.04	19	0.03
Kd of Th-230 in Unsaturated Zone 2	2	0.27	4	0.24	16	0.05	14	0.04
Kd of Th-230 in Saturated Zone	21	0.02	21	0.02	31	0.00	32	0.00
Kd of Th-228 in Unsaturated Zone 3	29	0.00	29	0.00	11	0.08	17	0.03
Kd of Th-230 in Unsaturated Zone 3	15	-0.03	16	-0.03	26	-0.03	26	-0.01
Kd of Th-232 in Unsaturated Zone 3	30	0.00	30	0.00	30	-0.01	31	0.00
Thickness of contaminated zone	4	0.20	2	0.31	4	0.63	1	0.68
Thickness of Unsaturated zone 1	32	0.00	32	0.00	29	-0.01	30	0.00
Thickness of Unsaturated zone 2	28	0.00	28	0.00	12	-0.08	18	-0.03
Thickness of Unsaturated zone 3	24	-0.02	24	-0.01	19	-0.04	23	-0.02
Hydraulic Conductivity of Unsaturated zone 1	14	-0.04	15	-0.03	32	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	22	-0.02	22	-0.02	13	0.06	21	0.02
Hydraulic Conductivity of Unsaturated zone 3	33	0.00	33	0.00	25	0.03	25	0.01
Saturated zone hydraulic conductivity	20	-0.02	20	-0.02	7	-0.16	9	-0.06
Evapotranspiration coefficient	8	-0.08	13	-0.07	8	-0.10	13	-0.04
Wind Speed	7	-0.09	11	-0.07	5	-0.54	5	-0.24
Runoff coefficient	31	0.00	31	0.00	10	0.08	16	0.03
Inhalation rate	6	0.18	8	0.14	6	0.39	6	0.16
Mass loading for inhalation	3	0.25	5	0.22	3	0.65	4	0.32
Outdoor time fraction	5	0.19	7	0.15	2	0.67	3	0.33
Soil ingestion	9	0.08	12	0.07	22	-0.03	24	-0.01
Aquatic food	25	0.01	25	0.01	15	0.06	22	0.02
Depth of soil mixing layer	1	-0.41	1	-0.36	1	-0.75	2	-0.42
Area of contaminated zone	10	0.06	10	0.09	9	0.09	8	0.08
R-SQUARE		0.40		0.40		0.87		0.87

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

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

Coefficients for peak Th-228 Dose
 Coefficient =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	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 =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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 =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	
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	
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	
Kd of Th-232 in Unsaturated Zone 3	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	
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	
Hydraulic Conductivity of Unsaturated zone 1	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	
Hydraulic Conductivity of Unsaturated zone 3	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	
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	
Runoff coefficient	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	
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	
Area of contaminated zone	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 =		4		4		4		4		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	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	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	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	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

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

Coefficients for peak Th-228 Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00
Area of contaminated zone	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 =
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	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
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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		PCC		SRC		PRCC		SRRC		
Coefficient =		3		3		3		3		
Repetition =										
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	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	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	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	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	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	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	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	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00		0.00

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

Coefficients for peak Th-230 Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	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 =
 Repetition =

PCC SRC PRCC SRRC
 5 5 5 5

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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 =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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 =
 Repetition =

PCC SRC PRCC SRRC
 4 4 4 4

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
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
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 Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-230 in Unsaturated Zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Kd of Th-232 in Unsaturated Zone 3	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
Thickness of Unsaturated zone 1	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 2	0 0.00	0 0.00	0 0.00	0 0.00
Thickness of Unsaturated zone 3	0 0.00	0 0.00	0 0.00	0 0.00
Hydraulic Conductivity of Unsaturated zone 1	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
Hydraulic Conductivity of Unsaturated zone 3	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
Evapotranspiration coefficient	0 0.00	0 0.00	0 0.00	0 0.00
Wind Speed	0 0.00	0 0.00	0 0.00	0 0.00
Runoff coefficient	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
Mass loading for inhalation	0 0.00	0 0.00	0 0.00	0 0.00
Outdoor time fraction	0 0.00	0 0.00	0 0.00	0 0.00
Soil ingestion	0 0.00	0 0.00	0 0.00	0 0.00
Aquatic food	0 0.00	0 0.00	0 0.00	0 0.00
Depth of soil mixing layer	0 0.00	0 0.00	0 0.00	0 0.00
Area of contaminated zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		5		5		5		5	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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
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 Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		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
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		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
Hydraulic Conductivity of Unsaturated zone 3		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
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		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
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food		0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer		0	0.00	0	0.00	0	0.00	0	0.00
Area of contaminated zone		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.