DECOMMISSIONING PLAN
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KAWKAWLIN, MICHIGAN

APPENDIX F

RESRAD Computer Dose Modeling Output Files/Reports – Naturalist Scenario, Surface Soil Source Term

JANUARY 2004

MACTEC

Appendix F - Naturalist Scenario

Surface Soil Source Term

RESRAD 6.21 Output File Reports

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Time= 1.000E+02 7
Time= 3.000E+02 8
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Time = 0.000E+00 years 2
Time = 1.000E+00 years 3
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Dose Conversion Factor (and Related) Parameter Summary
File: FGR 13 Morbidity

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

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)

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	1.190E+01	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Ra-226	2.610E+01	0.000E+00	---	S1(2)
R012	Initial principal radionuclide (pCi/g): Ra-228	3.816E+02	0.000E+00	---	S1(3)
R012	Initial principal radionuclide (pCi/g): Th-228	3.816E+02	0.000E+00	---	S1(4)
R012	Initial principal radionuclide (pCi/g): Th-230	1.185E+03	0.000E+00	---	S1(5)
R012	Initial principal radionuclide (pCi/g): Th-232	3.816E+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	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,1)
R016	Unsaturated zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,2)
R016	Unsaturated 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	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,2)
R016	Unsaturated 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)

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)	1.600E+02	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	not used	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	not used	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	not used	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	not used	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	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	0.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	not used	5.000E-01	---	FR9
R018	Contamination fraction of plant food	2.850E-02	-1	---	FPLANT
R018	Contamination fraction of meat	not used	-1	---	FMEAT
R018	Contamination fraction of milk	not used	-1	---	FMILK
R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	not used	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	not used	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	not used	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	not used	5.000E-01	---	LSI

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	2.500E-01	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	0.000E+00	1.000E+00	---	FGWIR
R19B	Wet weight crop yield for Non-Leafy (kg/m**2)	7.000E-01	7.000E-01	---	YV(1)
R19B	Wet weight crop yield for Leafy (kg/m**2)	1.500E+00	1.500E+00	---	YV(2)
R19B	Wet weight crop yield for Fodder (kg/m**2)	not used	1.100E+00	---	YV(3)
R19B	Growing Season for Non-Leafy (years)	1.700E-01	1.700E-01	---	TE(1)
R19B	Growing Season for Leafy (years)	2.500E-01	2.500E-01	---	TE(2)
R19B	Growing Season for Fodder (years)	not used	8.000E-02	---	TE(3)
R19B	Translocation Factor for Non-Leafy	1.000E-01	1.000E-01	---	TIV(1)
R19B	Translocation Factor for Leafy	1.000E+00	1.000E+00	---	TIV(2)
R19B	Translocation Factor for Fodder	not used	1.000E+00	---	TIV(3)
R19B	Dry Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RDRY(1)
R19B	Dry Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RDRY(2)
R19B	Dry Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RDRY(3)
R19B	Wet Foliar Interception Fraction for Non-Leafy	2.500E-01	2.500E-01	---	RWET(1)
R19B	Wet Foliar Interception Fraction for Leafy	2.500E-01	2.500E-01	---	RWET(2)
R19B	Wet Foliar Interception Fraction for Fodder	not used	2.500E-01	---	RWET(3)
R19B	Weathering Removal Constant for Vegetation	2.000E+01	2.000E+01	---	WLAM
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
C14	DCF correction factor for gaseous forms of C14	not used	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	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)
TITL	Number of graphical time points	32	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

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

Contaminated Zone Dimensions	
Area:	5730.00 square meters
Thickness:	0.01 meters
Cover Depth:	0.00 meters

Initial Soil Concentrations, pCi/g	
Pb-210	1.190E+01
Ra-226	2.610E+01
Ra-228	3.816E+02
Th-228	3.816E+02
Th-230	1.185E+03
Th-232	3.816E+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):	2.765E+01	2.487E+01	2.006E+01	1.237E+01	1.063E+01	1.019E+01	9.007E+00	5.262E+00
M(t):	1.106E+00	9.949E-01	8.024E-01	4.946E-01	4.253E-01	4.077E-01	3.603E-01	2.105E-01

0Maximum TDOSE(t): 2.765E+01 mrem/yr at t = 0.000E+00 years

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	7.524E-04	0.0000	4.583E-05	0.0000	0.000E+00	0.0000	1.109E-01	0.0040	0.000E+00	0.0000	0.000E+00	0.0000	1.935E-03	0.0001
Ra-226	1.063E+00	0.0384	3.825E-05	0.0000	0.000E+00	0.0000	1.801E-01	0.0065	0.000E+00	0.0000	0.000E+00	0.0000	8.290E-04	0.0000
Ra-228	1.024E+01	0.3704	3.742E-03	0.0001	0.000E+00	0.0000	2.648E+00	0.0958	0.000E+00	0.0000	0.000E+00	0.0000	1.253E-02	0.0005
Th-228	1.207E+01	0.4366	1.994E-02	0.0007	0.000E+00	0.0000	3.597E-02	0.0013	0.000E+00	0.0000	0.000E+00	0.0000	6.293E-03	0.0002
Th-230	2.354E-02	0.0009	6.976E-02	0.0025	0.000E+00	0.0000	9.202E-02	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	1.581E-02	0.0006
Th-232	6.085E-01	0.0220	1.132E-01	0.0041	0.000E+00	0.0000	3.022E-01	0.0109	0.000E+00	0.0000	0.000E+00	0.0000	2.612E-02	0.0009
Total	2.401E+01	0.8684	2.067E-01	0.0075	0.000E+00	0.0000	3.369E+00	0.1219	0.000E+00	0.0000	0.000E+00	0.0000	6.351E-02	0.0023

0

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

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	1.136E-01	0.0041
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	1.244E+00	0.0450
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	1.291E+01	0.4668
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	1.214E+01	0.4389
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	2.011E-01	0.0073
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	1.050E+00	0.0380
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	2.765E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	6.341E-04	0.0000	3.862E-05	0.0000	0.000E+00	0.0000	9.350E-02	0.0038	0.000E+00	0.0000	0.000E+00	0.0000	1.630E-03	0.0001
Ra-226	8.701E-01	0.0350	3.389E-05	0.0000	0.000E+00	0.0000	1.539E-01	0.0062	0.000E+00	0.0000	0.000E+00	0.0000	7.880E-04	0.0000
Ra-228	1.054E+01	0.4238	7.850E-03	0.0003	0.000E+00	0.0000	1.936E+00	0.0778	0.000E+00	0.0000	0.000E+00	0.0000	1.071E-02	0.0004
Th-228	8.399E+00	0.3377	1.387E-02	0.0006	0.000E+00	0.0000	2.502E-02	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	4.378E-03	0.0002
Th-230	4.247E-02	0.0017	6.972E-02	0.0028	0.000E+00	0.0000	9.522E-02	0.0038	0.000E+00	0.0000	0.000E+00	0.0000	1.581E-02	0.0006
Th-232	1.875E+00	0.0754	1.138E-01	0.0046	0.000E+00	0.0000	5.745E-01	0.0231	0.000E+00	0.0000	0.000E+00	0.0000	2.750E-02	0.0011
Total	2.173E+01	0.8736	2.054E-01	0.0083	0.000E+00	0.0000	2.878E+00	0.1157	0.000E+00	0.0000	0.000E+00	0.0000	6.083E-02	0.0024

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	9.580E-02	0.0039
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	1.025E+00	0.0412
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	1.250E+01	0.5024
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	8.442E+00	0.3394
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	2.232E-01	0.0090
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	2.590E+00	0.1042
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	2.487E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	4.503E-04	0.0000	2.741E-05	0.0000	0.000E+00	0.0000	6.637E-02	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	1.157E-03	0.0001
Ra-226	5.828E-01	0.0291	2.633E-05	0.0000	0.000E+00	0.0000	1.119E-01	0.0056	0.000E+00	0.0000	0.000E+00	0.0000	6.810E-04	0.0000
Ra-228	8.626E+00	0.4300	9.211E-03	0.0005	0.000E+00	0.0000	1.029E+00	0.0513	0.000E+00	0.0000	0.000E+00	0.0000	7.243E-03	0.0004
Th-228	4.065E+00	0.2026	6.713E-03	0.0003	0.000E+00	0.0000	1.211E-02	0.0006	0.000E+00	0.0000	0.000E+00	0.0000	2.118E-03	0.0001
Th-230	7.061E-02	0.0035	6.962E-02	0.0035	0.000E+00	0.0000	1.003E-01	0.0050	0.000E+00	0.0000	0.000E+00	0.0000	1.582E-02	0.0008
Th-232	4.219E+00	0.2103	1.159E-01	0.0058	0.000E+00	0.0000	9.194E-01	0.0458	0.000E+00	0.0000	0.000E+00	0.0000	2.962E-02	0.0015
Total	1.756E+01	0.8755	2.015E-01	0.0100	0.000E+00	0.0000	2.239E+00	0.1116	0.000E+00	0.0000	0.000E+00	0.0000	5.664E-02	0.0028

0

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

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	6.800E-02	0.0034
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.954E-01	0.0347
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.671E+00	0.4821
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	4.086E+00	0.2037
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	2.563E-01	0.0128
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.284E+00	0.2634
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	2.006E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.359E-04	0.0000	8.261E-06	0.0000	0.000E+00	0.0000	2.000E-02	0.0016	0.000E+00	0.0000	0.000E+00	0.0000	3.488E-04	0.0000
Ra-226	1.434E-01	0.0116	1.004E-05	0.0000	0.000E+00	0.0000	3.612E-02	0.0029	0.000E+00	0.0000	0.000E+00	0.0000	3.179E-04	0.0000
Ra-228	1.861E+00	0.1505	2.538E-03	0.0002	0.000E+00	0.0000	1.119E-01	0.0090	0.000E+00	0.0000	0.000E+00	0.0000	1.261E-03	0.0001
Th-228	3.205E-01	0.0259	5.290E-04	0.0000	0.000E+00	0.0000	9.541E-04	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	1.669E-04	0.0000
Th-230	1.134E-01	0.0092	6.930E-02	0.0056	0.000E+00	0.0000	1.090E-01	0.0088	0.000E+00	0.0000	0.000E+00	0.0000	1.581E-02	0.0013
Th-232	8.143E+00	0.6585	1.201E-01	0.0097	0.000E+00	0.0000	1.263E+00	0.1021	0.000E+00	0.0000	0.000E+00	0.0000	3.245E-02	0.0026
Total	1.058E+01	0.8557	1.925E-01	0.0156	0.000E+00	0.0000	1.541E+00	0.1246	0.000E+00	0.0000	0.000E+00	0.0000	5.036E-02	0.0041

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	2.049E-02	0.0017
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	1.798E-01	0.0145
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	1.977E+00	0.1599
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	3.221E-01	0.0261
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	3.075E-01	0.0249
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	9.558E+00	0.7730
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	1.237E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	4.437E-06	0.0000	2.684E-07	0.0000	0.000E+00	0.0000	6.498E-04	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	1.133E-05	0.0000
Ra-226	2.610E-03	0.0002	4.593E-07	0.0000	0.000E+00	0.0000	1.326E-03	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	1.747E-05	0.0000
Ra-228	5.636E-03	0.0005	8.409E-06	0.0000	0.000E+00	0.0000	1.913E-04	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.408E-06	0.0000
Th-228	2.258E-04	0.0000	3.721E-07	0.0000	0.000E+00	0.0000	6.711E-07	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.174E-07	0.0000
Th-230	1.258E-01	0.0118	6.837E-02	0.0064	0.000E+00	0.0000	1.117E-01	0.0105	0.000E+00	0.0000	0.000E+00	0.0000	1.564E-02	0.0015
Th-232	8.861E+00	0.8333	1.197E-01	0.0113	0.000E+00	0.0000	1.288E+00	0.1211	0.000E+00	0.0000	0.000E+00	0.0000	3.255E-02	0.0031
Total	8.995E+00	0.8459	1.881E-01	0.0177	0.000E+00	0.0000	1.402E+00	0.1318	0.000E+00	0.0000	0.000E+00	0.0000	4.823E-02	0.0045

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

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	6.658E-04	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	3.954E-03	0.0004
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	5.840E-03	0.0005
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	2.270E-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	3.215E-01	0.0302
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	1.030E+01	0.9688
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	1.063E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.787E-11	0.0000	1.658E-12	0.0000	0.000E+00	0.0000	4.013E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.998E-11	0.0000
Ra-226	2.166E-09	0.0000	3.742E-12	0.0000	0.000E+00	0.0000	9.231E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.564E-10	0.0000
Ra-228	1.346E-12	0.0000	2.046E-15	0.0000	0.000E+00	0.0000	3.522E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.808E-16	0.0000
Th-228	2.097E-15	0.0000	3.431E-18	0.0000	0.000E+00	0.0000	6.189E-18	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.083E-18	0.0000
Th-230	1.211E-01	0.0119	6.518E-02	0.0064	0.000E+00	0.0000	1.066E-01	0.0105	0.000E+00	0.0000	0.000E+00	0.0000	1.492E-02	0.0015
Th-232	8.511E+00	0.8350	1.142E-01	0.0112	0.000E+00	0.0000	1.229E+00	0.1206	0.000E+00	0.0000	0.000E+00	0.0000	3.105E-02	0.0030
Total	8.632E+00	0.8469	1.794E-01	0.0176	0.000E+00	0.0000	1.335E+00	0.1310	0.000E+00	0.0000	0.000E+00	0.0000	4.597E-02	0.0045

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	4.113E-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	0.000E+00	0.0000	1.156E-08	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	1.384E-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	2.107E-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	3.078E-01	0.0302
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	9.885E+00	0.9698
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	1.019E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.810E-26	0.0000	2.154E-27	0.0000	0.000E+00	0.0000	5.216E-24	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.096E-26	0.0000
Ra-226	9.730E-26	0.0000	5.038E-27	0.0000	0.000E+00	0.0000	1.220E-23	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.127E-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	1.074E-01	0.0119	5.653E-02	0.0063	0.000E+00	0.0000	9.247E-02	0.0103	0.000E+00	0.0000	0.000E+00	0.0000	1.294E-02	0.0014
Th-232	7.544E+00	0.8376	9.921E-02	0.0110	0.000E+00	0.0000	1.068E+00	0.1185	0.000E+00	0.0000	0.000E+00	0.0000	2.698E-02	0.0030
Total	7.651E+00	0.8495	1.557E-01	0.0173	0.000E+00	0.0000	1.160E+00	0.1288	0.000E+00	0.0000	0.000E+00	0.0000	3.992E-02	0.0044

0

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	5.347E-24	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.251E-23	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	2.693E-01	0.0299
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.738E+00	0.9701
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.007E+00	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	6.362E-02	0.0121	3.128E-02	0.0059	0.000E+00	0.0000	5.117E-02	0.0097	0.000E+00	0.0000	0.000E+00	0.0000	7.158E-03	0.0014
Th-232	4.444E+00	0.8446	5.524E-02	0.0105	0.000E+00	0.0000	5.945E-01	0.1130	0.000E+00	0.0000	0.000E+00	0.0000	1.502E-02	0.0029
Total	4.508E+00	0.8566	8.652E-02	0.0164	0.000E+00	0.0000	6.457E-01	0.1227	0.000E+00	0.0000	0.000E+00	0.0000	2.218E-02	0.0042

0

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

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	1.532E-01	0.0291
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.109E+00	0.9709
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	5.262E+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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,t) (mrem/yr)/(pCi/g) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	9.548E-03	8.050E-03	5.715E-03	1.722E-03	5.595E-05	3.456E-10	4.493E-25	0.000E+00
0Ra-226	Ra-226	1.000E+00	4.750E-02	3.888E-02	2.604E-02	6.402E-03	1.163E-04	9.390E-11	3.650E-28	0.000E+00
Ra-226	Pb-210	1.000E+00	1.685E-04	3.885E-04	6.052E-04	4.877E-04	3.520E-05	3.489E-10	4.791E-25	0.000E+00
Ra-226	§DSR(j)		4.766E-02	3.926E-02	2.664E-02	6.890E-03	1.515E-04	4.428E-10	4.795E-25	0.000E+00
0Ra-228	Ra-228	1.000E+00	2.829E-02	2.054E-02	1.082E-02	1.147E-03	1.886E-06	3.395E-16	4.624E-44	0.000E+00
Ra-228	Th-228	1.000E+00	5.528E-03	1.221E-02	1.453E-02	4.033E-03	1.342E-05	3.288E-15	4.792E-43	0.000E+00
Ra-228	§DSR(j)		3.382E-02	3.274E-02	2.534E-02	5.181E-03	1.530E-05	3.628E-15	5.255E-43	0.000E+00
0Th-228	Th-228	1.000E+00	3.180E-02	2.212E-02	1.071E-02	8.442E-04	5.949E-07	5.523E-18	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.592E-04	1.591E-04	1.589E-04	1.581E-04	1.560E-04	1.489E-04	1.295E-04	7.258E-05
Th-230	Ra-226	1.000E+00	1.054E-05	2.916E-05	5.686E-05	9.896E-05	1.113E-04	1.069E-04	9.435E-05	5.485E-05
Th-230	Pb-210	1.000E+00	2.741E-08	1.524E-07	5.990E-07	2.411E-06	3.994E-06	3.902E-06	3.385E-06	1.876E-06
Th-230	§DSR(j)		1.697E-04	1.884E-04	2.163E-04	2.595E-04	2.713E-04	2.597E-04	2.273E-04	1.293E-04
0Th-232	Th-232	1.000E+00	7.478E-04	7.473E-04	7.463E-04	7.429E-04	7.331E-04	6.994E-04	6.079E-04	3.392E-04
Th-232	Ra-228	1.000E+00	1.768E-03	4.680E-03	8.327E-03	1.192E-02	1.221E-02	1.170E-02	1.033E-02	6.015E-03
Th-232	Th-228	1.000E+00	2.361E-04	1.362E-03	4.773E-03	1.238E-02	1.406E-02	1.350E-02	1.196E-02	7.034E-03
Th-232	§DSR(j)		2.752E-03	6.789E-03	1.385E-02	2.505E-02	2.699E-02	2.590E-02	2.290E-02	1.339E-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

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	2.618E+03	3.105E+03	4.375E+03	1.452E+04	4.468E+05	7.234E+10	*7.631E+13	*7.631E+13
Ra-226	5.245E+02	6.367E+02	9.383E+02	3.628E+03	1.650E+05	5.646E+10	*9.882E+11	*9.882E+11
Ra-228	7.392E+02	7.635E+02	9.864E+02	4.826E+03	1.634E+06	*2.726E+14	*2.726E+14	*2.726E+14
Th-228	7.861E+02	1.130E+03	2.335E+03	2.961E+04	4.203E+07	*8.192E+14	*8.192E+14	*8.192E+14
Th-230	1.473E+05	1.327E+05	1.156E+05	9.634E+04	9.215E+04	9.626E+04	1.100E+05	1.933E+05
Th-232	9.086E+03	3.683E+03	1.806E+03	9.981E+02	9.261E+02	9.651E+02	1.092E+03	1.867E+03

*At specific activity limit

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

0Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Pb-210	1.190E+01	0.000E+00	9.548E-03	2.618E+03	9.548E-03	2.618E+03
Ra-226	2.610E+01	0.000E+00	4.766E-02	5.245E+02	4.766E-02	5.245E+02
Ra-228	3.816E+02	0.000E+00	3.382E-02	7.392E+02	3.382E-02	7.392E+02
Th-228	3.816E+02	0.000E+00	3.180E-02	7.861E+02	3.180E-02	7.861E+02
Th-230	1.185E+03	24.92 ± 0.05	2.716E-04	9.204E+04	1.697E-04	1.473E+05
Th-232	3.816E+02	22.90 ± 0.05	2.706E-02	9.239E+02	2.752E-03	9.086E+03

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

0Nuclide (j)	Parent (i)	BRF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.136E-01	9.580E-02	6.800E-02	2.049E-02	6.658E-04	4.113E-09	5.347E-24	0.000E+00
Pb-210	Ra-226	1.000E+00	4.398E-03	1.014E-02	1.580E-02	1.273E-02	9.188E-04	9.106E-09	1.250E-23	0.000E+00
Pb-210	Th-230	1.000E+00	3.249E-05	1.805E-04	7.099E-04	2.857E-03	4.733E-03	4.624E-03	4.012E-03	2.223E-03
Pb-210	§DOSE(j)		1.180E-01	1.061E-01	8.451E-02	3.608E-02	6.318E-03	4.624E-03	4.012E-03	2.223E-03
0Ra-226	Ra-226	1.000E+00	1.240E+00	1.015E+00	6.796E-01	1.671E-01	3.035E-03	2.451E-09	9.520E-27	0.000E+00
Ra-226	Th-230	1.000E+00	1.248E-02	3.455E-02	6.737E-02	1.173E-01	1.318E-01	1.267E-01	1.118E-01	6.499E-02
Ra-226	§DOSE(j)		1.252E+00	1.049E+00	7.470E-01	2.844E-01	1.349E-01	1.267E-01	1.118E-01	6.499E-02
0Ra-228	Ra-228	1.000E+00	1.080E+01	7.837E+00	4.128E+00	4.378E-01	7.197E-04	1.296E-13	0.000E+00	0.000E+00
Ra-228	Th-232	1.000E+00	6.745E-01	1.786E+00	3.178E+00	4.549E+00	4.658E+00	4.466E+00	3.941E+00	2.296E+00
Ra-228	§DOSE(j)		1.147E+01	9.623E+00	7.306E+00	4.986E+00	4.658E+00	4.466E+00	3.941E+00	2.296E+00
0Th-228	Ra-228	1.000E+00	2.110E+00	4.658E+00	5.543E+00	1.539E+00	5.120E-03	1.255E-12	0.000E+00	0.000E+00
Th-228	Th-228	1.000E+00	1.214E+01	8.442E+00	4.086E+00	3.221E-01	2.270E-04	2.107E-15	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	9.010E-02	5.196E-01	1.821E+00	4.726E+00	5.363E+00	5.152E+00	4.565E+00	2.684E+00
Th-228	§DOSE(j)		1.433E+01	1.362E+01	1.145E+01	6.587E+00	5.369E+00	5.152E+00	4.565E+00	2.684E+00
0Th-230	Th-230	1.000E+00	1.886E-01	1.885E-01	1.882E-01	1.874E-01	1.849E-01	1.764E-01	1.535E-01	8.601E-02
0Th-232	Th-232	1.000E+00	2.854E-01	2.852E-01	2.848E-01	2.835E-01	2.797E-01	2.669E-01	2.320E-01	1.294E-01

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
S(j,t), pCi/g

0Nuclide (j)	Parent (i)	BRF(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.190E+01	1.003E+01	7.126E+00	2.154E+00	7.059E-02	4.496E-07	6.419E-22	0.000E+00
Pb-210	Ra-226	1.000E+00	0.000E+00	6.739E-01	1.396E+00	1.274E+00	9.624E-02	9.946E-07	1.501E-21	0.000E+00
Pb-210	Th-230	1.000E+00	0.000E+00	7.057E-03	4.998E-02	2.567E-01	4.523E-01	4.567E-01	4.351E-01	3.672E-01
Pb-210	§S(j):		1.190E+01	1.071E+01	8.572E+00	3.685E+00	6.191E-01	4.567E-01	4.351E-01	3.672E-01
0Ra-226	Ra-226	1.000E+00	2.610E+01	2.137E+01	1.432E+01	3.530E+00	6.457E-02	5.346E-08	2.243E-25	0.000E+00
Ra-226	Th-230	1.000E+00	0.000E+00	4.652E-01	1.158E+00	2.215E+00	2.544E+00	2.508E+00	2.389E+00	2.016E+00
Ra-226	§S(j):		2.610E+01	2.183E+01	1.548E+01	5.745E+00	2.609E+00	2.508E+00	2.389E+00	2.016E+00
0Ra-228	Ra-228	1.000E+00	3.816E+02	2.770E+02	1.460E+02	1.553E+01	2.571E-02	4.748E-12	7.353E-40	0.000E+00
Ra-228	Th-232	1.000E+00	0.000E+00	3.936E+01	8.866E+01	1.376E+02	1.428E+02	1.405E+02	1.341E+02	1.138E+02
Ra-228	§S(j):		3.816E+02	3.164E+02	2.347E+02	1.531E+02	1.428E+02	1.405E+02	1.341E+02	1.138E+02
0Th-228	Ra-228	1.000E+00	0.000E+00	9.828E+01	1.491E+02	4.586E+01	1.582E-01	4.001E-11	6.286E-39	0.000E+00
Th-228	Th-228	1.000E+00	3.816E+02	2.656E+02	1.286E+02	1.016E+01	7.211E-03	6.859E-14	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	6.659E+00	3.906E+01	1.223E+02	1.427E+02	1.405E+02	1.341E+02	1.138E+02
Th-228	§S(j):		3.816E+02	3.705E+02	3.167E+02	1.784E+02	1.429E+02	1.405E+02	1.341E+02	1.138E+02
0Th-230	Th-230	1.000E+00	1.185E+03	1.185E+03	1.184E+03	1.182E+03	1.176E+03	1.157E+03	1.102E+03	9.299E+02
0Th-232	Th-232	1.000E+00	3.816E+02	3.815E+02	3.813E+02	3.807E+02	3.789E+02	3.728E+02	3.558E+02	3.022E+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.
0RESCALC.EXE execution time = 439.21 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	7.52015E-01	2.77560E-02	-2.47985E-01	parabolic
2	6.68744E-01	2.77593E-02	-8.32713E-02	parabolic
3	6.97419E-01	2.77607E-02	2.86748E-02	parabolic
4	6.98268E-01	2.77607E-02	8.49215E-04	parabolic
5	6.98966E-01	2.77607E-02	6.98268E-04	parabolic
6	6.98268E-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)
0

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 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: Plant (water independent)
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	9.43993E-05		
1	2.45002E+01	9.43974E-05	2.55586E-01	parabolic
2	2.33075E+01	9.44008E-05	-9.37074E-01	parabolic
3	2.15048E+01	9.43747E-05	-1.80274E+00	golden section
4	2.36141E+01	9.44014E-05	3.06528E-01	parabolic
5	2.36377E+01	9.44013E-05	9.59188E-03	parabolic
6	2.35905E+01	9.44013E-05	-2.36141E-02	parabolic
7	2.36141E+01	9.44014E-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
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	2.71601E-04		
1	2.58092E+01	2.71596E-04	1.56459E+00	parabolic
2	2.48847E+01	2.71609E-04	6.40099E-01	parabolic
3	2.49214E+01	2.71609E-04	3.66427E-02	parabolic
4	2.49463E+01	2.71609E-04	2.49214E-02	parabolic
5	2.49214E+01	2.71609E-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*(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: Plant (water independent)

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	1.85879E+01	3.39418E-03		
1	1.98884E+01	3.39369E-03	1.30046E+00	parabolic
2	1.82403E+01	3.39412E-03	-3.47608E-01	parabolic
3	1.86763E+01	3.39418E-03	8.83339E-02	parabolic
4	1.86499E+01	3.39418E-03	-2.63946E-02	parabolic
5	1.86312E+01	3.39418E-03	-1.86499E-02	parabolic
6	1.86126E+01	3.39418E-03	-1.86312E-02	parabolic
7	1.86312E+01	3.39418E-03	0.00000E+00	direct

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

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)
0

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	2.70561E-02		
1	2.43913E+01	2.70553E-02	1.46707E-01	parabolic
2	2.20840E+01	2.70582E-02	-2.16067E+00	golden section
3	2.29279E+01	2.70599E-02	8.43933E-01	parabolic
4	2.29586E+01	2.70599E-02	3.06984E-02	parabolic
5	2.28970E+01	2.70599E-02	-3.08913E-02	parabolic
6	2.25864E+01	2.70596E-02	-3.10554E-01	golden section
7	2.28741E+01	2.70599E-02	-2.28970E-02	parabolic
8	2.28970E+01	2.70599E-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
ID(j,t) = CUMBRF(j)*S1(j,t)/S1(i,0)

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	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)

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	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

*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

0

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)	Cd(i,t) (meters) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0

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

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

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

Occupancy Factor (FO1):	0.029
Area (A):	5730. sq. meters
Initial cover depth (Cd):	0.000 meters
Initial contaminated zone thickness (T):	0.007 meters

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	FCTR_COV_DEPTH(i,t) (dimensionless)							
Pb-210	3.988E-01	3.987E-01	3.985E-01	3.980E-01	3.965E-01	3.910E-01	3.745E-01	3.024E-01
Ra-226	1.614E-01	1.614E-01	1.613E-01	1.609E-01	1.599E-01	1.564E-01	1.461E-01	1.059E-01
Ra-228	1.679E-01	1.678E-01	1.677E-01	1.674E-01	1.663E-01	1.627E-01	1.520E-01	1.103E-01
Th-228	1.505E-01	1.505E-01	1.504E-01	1.500E-01	1.491E-01	1.458E-01	1.361E-01	9.858E-02
Th-230	3.326E-01	3.326E-01	3.324E-01	3.319E-01	3.304E-01	3.251E-01	3.096E-01	2.495E-01
Th-232	3.882E-01	3.881E-01	3.879E-01	3.874E-01	3.859E-01	3.806E-01	3.650E-01	3.060E-01

0

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	FCTR_AREA(i,t) (dimensionless)							
Pb-210	9.890E-01	9.890E-01	9.890E-01	9.890E-01	9.890E-01	9.889E-01	9.888E-01	9.813E-01
Ra-226	8.723E-01	8.723E-01	8.722E-01	8.721E-01	8.716E-01	8.700E-01	8.655E-01	8.287E-01
Ra-228	8.732E-01	8.731E-01	8.731E-01	8.729E-01	8.725E-01	8.708E-01	8.662E-01	8.298E-01
Th-228	8.622E-01	8.622E-01	8.621E-01	8.620E-01	8.615E-01	8.599E-01	8.552E-01	8.181E-01
Th-230	9.373E-01	9.373E-01	9.373E-01	9.372E-01	9.370E-01	9.362E-01	9.339E-01	8.943E-01
Th-232	9.638E-01	9.638E-01	9.638E-01	9.637E-01	9.636E-01	9.632E-01	9.619E-01	9.364E-01

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	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
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

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

0

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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,1,t) (mrem/yr)/(pCi/g) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,2,t) (mrem/yr)/(pCi/g)							
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
0Ra-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
0Ra-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.
0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A):	5.7300E+03 m**2	Occupancy Factor (FO2):	2.8500E-02
Area Factor (FA2):	1.6170E-01	Annual Air Intake (F12):	8.4000E+03 m**3/yr
Cover Depth [Cd(0)]:	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= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor [FD(i,2,t)] (dimensionless)							
Pb-210+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)

0Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	2.320E-02	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.

Parameters Used for Calculating Indoor and Outdoor Radon Flux

0

	*Floor Material	Cover Material	Contaminated Zone
Radon Diffusion Coefficient (m**2/s)	3.000E-07	2.000E-06	2.000E-06
Total Porosity	1.000E-01	4.000E-01	4.000E-01
Volumetric Water Content	3.000E-02	5.000E-02	2.992E-01
Bulk Density (g/cm**3)	2.400E+00	1.970E+00	1.970E+00
Rn-222 Emanation Coefficient	2.500E-01	2.500E-01	2.500E-01
Rn-220 Emanation Coefficient	1.500E-01	1.500E-01	1.500E-01
Initial Thickness (m)	1.500E-01	0.000E+00	7.000E-03

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

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

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

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

0* - Parameters are used only for indoor radon flux

0

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

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

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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

0Nuclide (i)	FLUXI(i,t) (pCi/m**2/s) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

Parameters Used for Calculating Indoor and Outdoor Radon Concentration

Radon Vertical Dimension of Mixing (HMIX): 2.000E+00 (m)
Average Annual Wind Speed (WIND): 1.920E+00 (m/sec)
Building Room Height (HRM): 2.500E+00 (m)
Building Air Exchange Rate (REXG): 5.000E-01 (1/hr)

0 Time Dependence of Outdoor Radon Concentration [CRNO(i,t)]
0Nuclide CRNO(i,t) (pCi/m**3)

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0
0 Time Dependence of Indoor Radon Concentration [HCONC(i,r)]
0Nuclide HCONC(i,t) (pCi/m**3)

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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

0Nuclide WLOTD(i,t) (WL)

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0

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

0Nuclide WLIND(i,t) (WL)

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0

0 Fraction of Time Spent Outdoors (FOTD): 2.850E-02
Fraction of Time Spent Indoors (FIND): 0.000E+00

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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,9,t) - DSRRNW(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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	DSRRNW(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	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

0

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

0

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

```
        Water table drop rate [vwt]:      0.001000 m/yr
Bulk soil material density [rhobaq]:      1.650000 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

```
        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	Breakthrough Time 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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			WSR(j,1,t) in (pCi/L)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0 Watershed Area (Aw) = 1.0000E+06 m**2
Contaminated Zone Area (A) = 5.7300E+03 m**2
Dilution Factor (f') = 5.7300E-03
Soil Density (rhob) = 1.9700E+00 kg/m**3

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			WSR(j,2,t) in (pCi/L)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Storage Times For Contaminated Foodstuffs

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

0

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

Parent (i)	Product (j)	Branch Fraction	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	9.962E-01
Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01
Ra-226	Pb-210	1.000E+00	1.191E-03	8.510E-05	8.510E-05	1.701E-03	5.955E-04	5.955E-04	8.510E-05	8.510E-05	3.822E-03
Ra-228	Ra-228	1.000E+00	9.954E-01	9.997E-01	9.997E-01	9.934E-01	9.977E-01	9.977E-01	9.997E-01	9.997E-01	9.853E-01
Ra-228	Th-228	1.000E+00	1.376E-02	9.913E-04	9.913E-04	1.958E-02	6.912E-03	6.912E-03	9.913E-04	9.913E-04	4.333E-02
Th-228	Th-228	1.000E+00	9.862E-01	9.990E-01	9.990E-01	9.804E-01	9.931E-01	9.931E-01	9.990E-01	9.990E-01	9.563E-01
Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.661E-05	1.186E-06	1.186E-06	2.372E-05	8.303E-06	8.303E-06	1.186E-06	1.186E-06	5.337E-05
Th-230	Pb-210	1.000E+00	9.888E-09	5.047E-11	5.047E-11	2.018E-08	2.472E-09	2.472E-09	5.047E-11	5.047E-11	1.021E-07
Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	4.610E-03	3.300E-04	3.300E-04	6.579E-03	2.308E-03	2.308E-03	3.300E-04	3.300E-04	1.474E-02
Th-232	Th-228	1.000E+00	3.189E-05	1.636E-07	1.636E-07	6.490E-05	7.996E-06	7.996E-06	1.636E-07	1.636E-07	3.250E-04

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	CFWW(j,t,1)# 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 Nonleafy Plants from Well and/or Surface
Harvest Time = t - 4.11E-02 yr; Consumption Time = t - 3.83E-02 yr

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	CFWW(j,t,2)# 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

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFWW(j,t,3)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
						CFWW(j,t,5)#				
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFWW(j,t,7)# t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

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

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	CFWW(j,t,6)# 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 Nonleafy Plants
Harvest Time = t - 3.83E-02 yr; Consumption Time = t yr

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	CF3(j,1,t)# 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
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CF3(j,2,t)#							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CFLF(j,1,t)#							
Pb-210	Pb-210	1.000E+00	1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	Pb-210	1.000E+00	1.000E+00	1.587E+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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
						CFLF(j,2,t)#				
Pb-210	Pb-210	1.000E+00	1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	Pb-210	1.000E+00	1.000E+00	1.551E+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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
						CF45(j,1,t)#				
Pb-210	Pb-210	1.000E+00	1.000E+00	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.142E+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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
						CF45(j,2,t)#				
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.017E+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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
						CFF(j,1,t)#				
Pb-210	Pb-210	1.000E+00	1.000E+00	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01	9.977E-01
Ra-228	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01	9.931E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,1,t) (dimensionless)							
Pb-210	2.8000E-02	2.7988E-02	2.7964E-02	2.7880E-02	2.7640E-02	2.6800E-02	2.4400E-02	1.6000E-02
Ra-226	2.8000E-02	2.7988E-02	2.7964E-02	2.7880E-02	2.7640E-02	2.6800E-02	2.4400E-02	1.6000E-02
Ra-228	2.8000E-02	2.7988E-02	2.7964E-02	2.7880E-02	2.7640E-02	2.6800E-02	2.4400E-02	1.6000E-02
Th-228	2.8000E-02	2.7988E-02	2.7964E-02	2.7880E-02	2.7640E-02	2.6800E-02	2.4400E-02	1.6000E-02
Th-230	2.8000E-02	2.7988E-02	2.7964E-02	2.7880E-02	2.7640E-02	2.6800E-02	2.4400E-02	1.6000E-02
Th-232	2.8000E-02	2.7988E-02	2.7964E-02	2.7880E-02	2.7640E-02	2.6800E-02	2.4400E-02	1.6000E-02

0

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,2,t) (dimensionless)							
Pb-210	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	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	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	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

0

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,3,t) (dimensionless)							
Pb-210	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Ra-226	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Ra-228	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Th-228	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Th-230	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Th-232	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00

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

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

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

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	1.389E+00	1.176E+00	8.346E-01	2.515E-01	8.171E-03	5.047E-08	6.559E-23	0.000E+00
0Ra-226	Ra-226	1.330E-03	5.554E+00	4.577E+00	3.065E+00	7.533E-01	1.366E-02	1.097E-08	4.189E-26	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	3.980E-02	7.705E-02	6.844E-02	5.090E-03	5.091E-08	6.993E-23	0.000E+00
0Ra-228	Ra-228	1.440E-03	5.554E+00	4.059E+00	2.138E+00	2.266E-01	3.720E-04	6.662E-14	6.920E-42	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	8.640E-02	8.085E-02	1.944E-02	6.146E-05	1.477E-14	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	1.389E-01	9.659E-02	4.674E-02	3.683E-03	2.590E-06	2.389E-17	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	1.389E-01	1.388E-01	1.386E-01	1.379E-01	1.361E-01	1.297E-01	1.125E-01	6.227E-02
Th-230	Ra-226	1.330E-03	0.000E+00	2.112E-03	5.374E-03	1.033E-02	1.177E-02	1.125E-02	9.759E-03	5.401E-03
Th-230	Pb-210	7.270E-03	0.000E+00	1.004E-05	6.321E-05	3.095E-04	5.354E-04	5.240E-04	4.545E-04	2.515E-04
0Th-232	Th-232	2.730E-03	1.389E-01	1.388E-01	1.386E-01	1.379E-01	1.361E-01	1.298E-01	1.128E-01	6.283E-02
Th-232	Ra-228	1.440E-03	0.000E+00	5.535E-01	1.275E+00	1.985E+00	2.043E+00	1.949E+00	1.694E+00	9.431E-01
Th-232	Th-228	8.080E-04	0.000E+00	9.300E-03	3.007E-02	6.907E-02	7.673E-02	7.321E-02	6.362E-02	3.543E-02

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

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

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	2.664E-04	2.254E-04	1.600E-04	4.821E-05	1.566E-06	9.673E-12	1.257E-26	0.000E+00
0Ra-226	Ra-226	1.330E-03	2.664E-04	2.193E-04	1.468E-04	3.608E-05	6.544E-07	5.253E-13	2.007E-30	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	6.904E-06	1.428E-05	1.300E-05	9.736E-07	9.756E-12	1.341E-26	0.000E+00
0Ra-228	Ra-228	1.440E-03	2.664E-04	1.944E-04	1.024E-04	1.086E-05	1.782E-08	3.191E-18	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	6.860E-05	1.039E-04	3.188E-05	1.090E-07	2.674E-17	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	2.664E-04	1.853E-04	8.968E-05	7.067E-06	4.970E-09	4.584E-20	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	2.664E-04	2.663E-04	2.659E-04	2.647E-04	2.611E-04	2.489E-04	2.159E-04	1.195E-04
Th-230	Ra-226	1.330E-03	0.000E+00	1.051E-07	2.614E-07	4.987E-07	5.678E-07	5.427E-07	4.707E-07	2.605E-07
Th-230	Pb-210	7.270E-03	0.000E+00	1.592E-09	1.127E-08	5.769E-08	1.008E-07	9.867E-08	8.558E-08	4.736E-08
0Th-232	Th-232	2.730E-03	2.664E-04	2.663E-04	2.659E-04	2.647E-04	2.612E-04	2.491E-04	2.165E-04	1.206E-04
Th-232	Ra-228	1.440E-03	0.000E+00	2.762E-05	6.216E-05	9.619E-05	9.894E-05	9.439E-05	8.202E-05	4.568E-05
Th-232	Th-228	8.080E-04	0.000E+00	4.649E-06	2.724E-05	8.505E-05	9.837E-05	9.387E-05	8.157E-05	4.543E-05

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

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

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,1,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,5,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,5,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) (g/yr) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,3,1,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	9.316E-03	7.855E-03	5.576E-03	1.680E-03	5.459E-05	3.372E-10	4.382E-25	0.000E+00
0Ra-226	Ra-226	1.000E+00	6.734E-03	5.517E-03	3.694E-03	9.079E-04	1.646E-05	1.322E-11	5.049E-29	0.000E+00
Ra-226	Pb-210	1.000E+00	1.650E-04	3.797E-04	5.910E-04	4.760E-04	3.435E-05	3.404E-10	4.672E-25	0.000E+00
Ra-226	§DSR(j)		6.899E-03	5.896E-03	4.285E-03	1.384E-03	5.081E-05	3.536E-10	4.673E-25	0.000E+00
0Ra-228	Ra-228	1.000E+00	6.883E-03	5.001E-03	2.634E-03	2.792E-04	4.583E-07	8.207E-17	9.809E-45	0.000E+00
Ra-228	Th-228	1.000E+00	5.645E-05	7.102E-05	6.135E-05	1.387E-05	4.279E-08	1.021E-17	0.000E+00	0.000E+00
Ra-228	§DSR(j)		6.940E-03	5.072E-03	2.695E-03	2.931E-04	5.011E-07	9.228E-17	9.809E-45	0.000E+00
0Th-228	Th-228	1.000E+00	9.409E-05	6.545E-05	3.167E-05	2.495E-06	1.755E-09	1.619E-20	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	7.607E-05	7.602E-05	7.591E-05	7.556E-05	7.454E-05	7.106E-05	6.164E-05	3.411E-05
Th-230	Ra-226	1.000E+00	1.413E-06	4.042E-06	7.971E-06	1.394E-05	1.566E-05	1.496E-05	1.297E-05	7.179E-06
Th-230	Pb-210	1.000E+00	2.690E-08	1.491E-07	5.854E-07	2.354E-06	3.899E-06	3.808E-06	3.303E-06	1.828E-06
Th-230	§DSR(j)		7.751E-05	8.021E-05	8.447E-05	9.185E-05	9.410E-05	8.983E-05	7.791E-05	4.311E-05
0Th-232	Th-232	1.000E+00	3.789E-04	3.787E-04	3.782E-04	3.764E-04	3.715E-04	3.543E-04	3.079E-04	1.714E-04
Th-232	Ra-228	1.000E+00	4.088E-04	1.114E-03	2.002E-03	2.875E-03	2.941E-03	2.806E-03	2.438E-03	1.357E-03
Th-232	Th-228	1.000E+00	3.464E-06	1.178E-05	2.807E-05	5.666E-05	6.198E-05	5.914E-05	5.138E-05	2.861E-05
Th-232	§DSR(j)		7.912E-04	1.505E-03	2.408E-03	3.309E-03	3.375E-03	3.219E-03	2.797E-03	1.558E-03

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

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
Subpathway: Foliar Uptake from Contaminated Dust (q=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,3,2,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	1.786E-06	1.506E-06	1.069E-06	3.221E-07	1.046E-08	6.463E-14	8.400E-29	0.000E+00
0Ra-226	Ra-226	1.000E+00	3.226E-07	2.642E-07	1.769E-07	4.348E-08	7.886E-10	6.331E-16	2.418E-33	0.000E+00
Ra-226	Pb-210	1.000E+00	2.672E-08	6.800E-08	1.101E-07	9.045E-08	6.570E-09	6.523E-14	8.956E-29	0.000E+00
Ra-226	§DSR(j)		3.493E-07	3.322E-07	2.870E-07	1.339E-07	7.359E-09	6.587E-14	8.956E-29	0.000E+00
0Ra-228	Ra-228	1.000E+00	3.298E-07	2.395E-07	1.262E-07	1.337E-08	2.195E-11	3.931E-21	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	3.116E-08	6.909E-08	8.234E-08	2.287E-08	7.594E-11	1.849E-20	0.000E+00	0.000E+00
Ra-228	§DSR(j)		3.609E-07	3.086E-07	2.085E-07	3.624E-08	9.789E-11	2.242E-20	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	1.805E-07	1.256E-07	6.077E-08	4.788E-09	3.368E-12	3.106E-23	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.460E-07	1.459E-07	1.457E-07	1.450E-07	1.430E-07	1.364E-07	1.183E-07	6.544E-08
Th-230	Ra-226	1.000E+00	7.224E-11	1.989E-10	3.871E-10	6.728E-10	7.551E-10	7.215E-10	6.258E-10	3.463E-10
Th-230	Pb-210	1.000E+00	3.982E-12	2.510E-11	1.053E-10	4.391E-10	7.338E-10	7.171E-10	6.219E-10	3.441E-10
Th-230	§DSR(j)		1.460E-07	1.461E-07	1.462E-07	1.461E-07	1.445E-07	1.378E-07	1.195E-07	6.613E-08
0Th-232	Th-232	1.000E+00	7.271E-07	7.267E-07	7.257E-07	7.223E-07	7.128E-07	6.799E-07	5.908E-07	3.290E-07
Th-232	Ra-228	1.000E+00	2.094E-08	5.496E-08	9.749E-08	1.393E-07	1.424E-07	1.359E-07	1.181E-07	6.574E-08
Th-232	Th-228	1.000E+00	1.326E-09	7.686E-09	2.701E-08	7.014E-08	7.946E-08	7.582E-08	6.588E-08	3.669E-08
Th-232	§DSR(j)		7.494E-07	7.893E-07	8.502E-07	9.318E-07	9.347E-07	8.916E-07	7.747E-07	4.314E-07

*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 Plant Foods (p=3)
Subpathway: Ditch Irrigation (q=3)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,3,3,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
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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 Plant Foods (p=3)
Subpathway: Overhead Irrigation (q=4)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,3,4,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,3,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	9.318E-03	7.857E-03	5.577E-03	1.681E-03	5.460E-05	3.372E-10	4.383E-25	0.000E+00
0Ra-226	Ra-226	1.000E+00	6.734E-03	5.517E-03	3.694E-03	9.079E-04	1.647E-05	1.322E-11	5.049E-29	0.000E+00
Ra-226	Pb-210	1.000E+00	1.651E-04	3.797E-04	5.911E-04	4.761E-04	3.436E-05	3.405E-10	4.673E-25	0.000E+00
Ra-226	§DSR(j)		6.899E-03	5.897E-03	4.285E-03	1.384E-03	5.082E-05	3.537E-10	4.674E-25	0.000E+00
0Ra-228	Ra-228	1.000E+00	6.884E-03	5.001E-03	2.634E-03	2.792E-04	4.583E-07	8.208E-17	9.809E-45	0.000E+00
Ra-228	Th-228	1.000E+00	5.648E-05	7.109E-05	6.144E-05	1.389E-05	4.286E-08	1.023E-17	0.000E+00	0.000E+00
Ra-228	§DSR(j)		6.940E-03	5.072E-03	2.695E-03	2.931E-04	5.012E-07	9.231E-17	9.809E-45	0.000E+00
0Th-228	Th-228	1.000E+00	9.427E-05	6.557E-05	3.173E-05	2.500E-06	1.759E-09	1.622E-20	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	7.621E-05	7.616E-05	7.606E-05	7.570E-05	7.469E-05	7.120E-05	6.175E-05	3.417E-05
Th-230	Ra-226	1.000E+00	1.414E-06	4.042E-06	7.972E-06	1.394E-05	1.566E-05	1.496E-05	1.298E-05	7.180E-06
Th-230	Pb-210	1.000E+00	2.690E-08	1.491E-07	5.855E-07	2.354E-06	3.900E-06	3.809E-06	3.304E-06	1.828E-06
Th-230	§DSR(j)		7.765E-05	8.035E-05	8.462E-05	9.199E-05	9.424E-05	8.997E-05	7.803E-05	4.318E-05
0Th-232	Th-232	1.000E+00	3.797E-04	3.794E-04	3.789E-04	3.772E-04	3.722E-04	3.550E-04	3.085E-04	1.718E-04
Th-232	Ra-228	1.000E+00	4.088E-04	1.114E-03	2.002E-03	2.876E-03	2.941E-03	2.806E-03	2.438E-03	1.358E-03
Th-232	Th-228	1.000E+00	3.465E-06	1.179E-05	2.810E-05	5.673E-05	6.206E-05	5.921E-05	5.145E-05	2.865E-05
Th-232	§DSR(j)		7.920E-04	1.505E-03	2.409E-03	3.310E-03	3.375E-03	3.220E-03	2.798E-03	1.558E-03

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,4,1,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,4,2,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,4,3,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

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

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

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)
Total for All Subpathways
Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Fodder Root Uptake from Contaminated Soil (q=1)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,5,1,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,5,2,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,5,3,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,5,4,t) (mrem/yr)/(pCi/g)							
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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,5,5,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
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)
Total for All Subpathways
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,5,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
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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,6,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	§DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)
Parent and Progeny Principal Radionuclide Contributions Indicated

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,7,t) (mrem/yr)/(pCi/g)							
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.

Plant/Air and Plant/Water Concentration Ratios
0 Mass loading [ASR(3)]: 1.000E-04 g/m**3
Area Factor for Mass Loading [FA(2)]: 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)
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)
	Pb-210	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
0	Ra-226	Ra-226	4.0000E-02	8.8198E-07	4.2293E-06
	Ra-226	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
0	Ra-228	Ra-228	4.0000E-02	8.8198E-07	4.2293E-06
	Ra-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06
0	Th-228	Th-228	1.0000E-03	8.8198E-07	4.2293E-06
0	Th-230	Th-230	1.0000E-03	8.8198E-07	4.2293E-06
	Th-230	Ra-226	4.0000E-02	8.8198E-07	4.2293E-06
	Th-230	Pb-210	1.0000E-02	8.8198E-07	4.2293E-06
0	Th-232	Th-232	1.0000E-03	8.8198E-07	4.2293E-06
	Th-232	Ra-228	4.0000E-02	8.8198E-07	4.2293E-06
	Th-232	Th-228	1.0000E-03	8.8198E-07	4.2293E-06

Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)
Ditch Irrigation (q=3)

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	FSR(j,3,3,k,t) 1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)
Overhead Irrigation (q=4) and Nonleafy Vegetables (k=1)

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	FSR(j,3,4,1,t) * SF(j,t) 1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

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0     FI(4,q):   68.0 kg/day     FI(5,q):   55.0 kg/day   q=1,2,3,4
      FI(4,q):   50.0  L/day     FI(5,q):  160.0  L/day   q=5
      FI(4,q):    0.5 kg/day     FI(5,q):
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0Nuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	0.0000E+00	0.0000E+00
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Ra-228	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Th-228	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-230	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-232	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00

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

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

Nuclide(i) Parent	Product	QSR(i,p,1)	QSR(i,p,2)
Pb-210	Pb-210	1.0000E-02	4.6341E-06
Ra-226	Ra-226	4.0000E-02	4.6341E-06
Ra-226	Pb-210	1.0000E-02	4.6341E-06
Ra-228	Ra-228	4.0000E-02	4.6341E-06
Ra-228	Th-228	1.0000E-03	4.6341E-06
Th-228	Th-228	1.0000E-03	4.6341E-06
Th-230	Th-230	1.0000E-03	4.6341E-06
Th-230	Ra-226	4.0000E-02	4.6341E-06
Th-230	Pb-210	1.0000E-02	4.6341E-06
Th-232	Th-232	1.0000E-03	4.6341E-06
Th-232	Ra-228	4.0000E-02	4.6341E-06
Th-232	Th-228	1.0000E-03	4.6341E-06

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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			QSR(j,p,3,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-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-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
Th-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
Th-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-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			QSR(j,p,5,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Nuclide(i) Parent	Product	FSR(i,4,1)	FSR(i,4,2)
Pb-210	Pb-210	1.5232E-05	1.1764E-08
Ra-226	Ra-226	7.6160E-05	1.4706E-08
Ra-226	Pb-210	0.0000E+00	0.0000E+00
Ra-228	Ra-228	7.6160E-05	1.4706E-08
Ra-228	Th-228	0.0000E+00	0.0000E+00
Th-228	Th-228	1.9040E-07	1.4706E-09
Th-230	Th-230	1.9040E-07	1.4706E-09
Th-230	Ra-226	0.0000E+00	0.0000E+00
Th-230	Pb-210	0.0000E+00	0.0000E+00
Th-232	Th-232	1.9040E-07	1.4706E-09
Th-232	Ra-228	0.0000E+00	0.0000E+00
Th-232	Th-228	0.0000E+00	0.0000E+00

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

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
			FSR(j,4,3,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-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-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
Th-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
Th-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-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			FSR(j,4,5,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Nuclide(i) Parent	Product	FSR(i,5,1)	FSR(i,5,2)
Pb-210	Pb-210	4.6200E-06	3.5683E-09
Ra-226	Ra-226	6.1600E-05	1.1894E-08
Ra-226	Pb-210	0.0000E+00	0.0000E+00
Ra-228	Ra-228	6.1600E-05	1.1894E-08
Ra-228	Th-228	0.0000E+00	0.0000E+00
Th-228	Th-228	7.7000E-09	5.9471E-11
Th-230	Th-230	7.7000E-09	5.9471E-11
Th-230	Ra-226	0.0000E+00	0.0000E+00
Th-230	Pb-210	0.0000E+00	0.0000E+00
Th-232	Th-232	7.7000E-09	5.9471E-11
Th-232	Ra-228	0.0000E+00	0.0000E+00
Th-232	Th-228	0.0000E+00	0.0000E+00

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

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
			FSR(j,5,3,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-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-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
Th-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
Th-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-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			FSR(j,5,4,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			FSR(j,5,5,t) * SF(j,t)							
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			DSR(j,8,t) (mrem/yr)/(pCi/g)							
Pb-210	Pb-210	1.000E+00	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

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

0Parent (i)	Product (j)	DCF(j,8)*	t=	ETF(j,8,t) (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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

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

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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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	2.150E-03	1.653E+01	0.000E+00	0.000E+00	2.896E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.682E+01
Ra-226	4.715E-03	1.450E+02	0.000E+00	0.000E+00	6.352E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.456E+02
Ra-228	6.894E-02	2.120E+03	0.000E+00	0.000E+00	9.288E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.129E+03
Th-228	6.894E-02	5.309E+01	0.000E+00	0.000E+00	9.288E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.238E+01
Th-230	2.141E-01	1.649E+02	0.000E+00	0.000E+00	2.884E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.937E+02
Th-232	6.894E-02	5.309E+01	0.000E+00	0.000E+00	9.288E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.238E+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= 0.000E+00 years

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.689E-08	0.0000	1.986E-09	0.0000	1.706E-06	0.0025	0.000E+00	0.0000	0.000E+00	0.0000	2.989E-08	0.0000
Ra-226	2.668E-05	0.0397	3.989E-09	0.0000	2.235E-06	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	9.796E-09	0.0000
Ra-228	2.167E-04	0.3226	9.037E-08	0.0001	9.093E-05	0.1354	0.000E+00	0.0000	0.000E+00	0.0000	3.984E-07	0.0006
Th-228	3.298E-04	0.4911	7.404E-07	0.0011	6.721E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	1.176E-07	0.0002
Th-230	2.584E-07	0.0004	2.183E-07	0.0003	5.885E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	1.030E-07	0.0002
Th-232	4.174E-08	0.0001	8.955E-08	0.0001	2.118E-07	0.0003	0.000E+00	0.0000	0.000E+00	0.0000	3.706E-08	0.0001
Total	5.735E-04	0.8538	1.145E-06	0.0017	9.634E-05	0.1434	0.000E+00	0.0000	0.000E+00	0.0000	6.957E-07	0.0010

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.754E-06	0.0026
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	2.893E-05	0.0431
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	3.081E-04	0.4587
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	3.314E-04	0.4933
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.168E-06	0.0017
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	3.802E-07	0.0006
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.717E-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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.689E-08	0.0000	1.986E-09	0.0000	0.000E+00	0.0000	1.706E-06	0.0025	0.000E+00	0.0000	0.000E+00	0.0000	2.989E-08	0.0000
Ra-226	2.668E-05	0.0397	3.989E-09	0.0000	0.000E+00	0.0000	2.235E-06	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	9.796E-09	0.0000
Ra-228	2.167E-04	0.3226	9.037E-08	0.0001	0.000E+00	0.0000	9.093E-05	0.1354	0.000E+00	0.0000	0.000E+00	0.0000	3.984E-07	0.0006
Th-228	3.298E-04	0.4911	7.404E-07	0.0011	0.000E+00	0.0000	6.721E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	1.176E-07	0.0002
Th-230	2.584E-07	0.0004	2.183E-07	0.0003	0.000E+00	0.0000	5.885E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	1.030E-07	0.0002
Th-232	4.174E-08	0.0001	8.955E-08	0.0001	0.000E+00	0.0000	2.118E-07	0.0003	0.000E+00	0.0000	0.000E+00	0.0000	3.706E-08	0.0001
Total	5.735E-04	0.8538	1.145E-06	0.0017	0.000E+00	0.0000	9.634E-05	0.1434	0.000E+00	0.0000	0.000E+00	0.0000	6.957E-07	0.0010

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.754E-06	0.0026
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	2.893E-05	0.0431
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	3.081E-04	0.4587
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	3.314E-04	0.4933
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	1.168E-06	0.0017
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	3.802E-07	0.0006
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	6.717E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	1.934E-03	1.504E+01	0.000E+00	0.000E+00	2.606E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.531E+01
Ra-226	3.942E-03	1.220E+02	0.000E+00	0.000E+00	5.312E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.225E+02
Ra-228	5.713E-02	1.760E+03	0.000E+00	0.000E+00	7.698E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.768E+03
Th-228	6.690E-02	7.348E+01	0.000E+00	0.000E+00	9.014E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.249E+01
Th-230	2.139E-01	1.647E+02	0.000E+00	0.000E+00	2.882E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.936E+02
Th-232	6.889E-02	5.305E+01	0.000E+00	0.000E+00	9.282E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.234E+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+00 years

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.520E-08	0.0000	1.787E-09	0.0000	1.553E-06	0.0026	0.000E+00	0.0000	0.000E+00	0.0000	2.689E-08	0.0000
Ra-226	2.231E-05	0.0369	3.335E-09	0.0000	1.881E-06	0.0031	0.000E+00	0.0000	0.000E+00	0.0000	8.190E-09	0.0000
Ra-228	1.796E-04	0.2970	7.490E-08	0.0001	7.552E-05	0.1249	0.000E+00	0.0000	0.000E+00	0.0000	3.302E-07	0.0005
Th-228	3.201E-04	0.5293	7.185E-07	0.0012	9.302E-07	0.0015	0.000E+00	0.0000	0.000E+00	0.0000	1.141E-07	0.0002
Th-230	2.583E-07	0.0004	2.182E-07	0.0004	5.882E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	1.029E-07	0.0002
Th-232	4.173E-08	0.0001	8.949E-08	0.0001	2.117E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	3.703E-08	0.0001
Total	5.224E-04	0.8637	1.106E-06	0.0018	8.068E-05	0.1334	0.000E+00	0.0000	0.000E+00	0.0000	6.194E-07	0.0010

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.596E-06	0.0026
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	2.420E-05	0.0400
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	2.555E-04	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	3.219E-04	0.5323
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.168E-06	0.0019
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	3.799E-07	0.0006
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.048E-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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.424E-08	0.0000	1.674E-09	0.0000	0.000E+00	0.0000	1.444E-06	0.0024	0.000E+00	0.0000	0.000E+00	0.0000	2.518E-08	0.0000
Ra-226	2.183E-05	0.0361	3.377E-09	0.0000	0.000E+00	0.0000	1.950E-06	0.0032	0.000E+00	0.0000	0.000E+00	0.0000	9.708E-09	0.0000
Ra-228	2.422E-04	0.4005	2.562E-07	0.0004	0.000E+00	0.0000	6.688E-05	0.1106	0.000E+00	0.0000	0.000E+00	0.0000	3.194E-07	0.0005
Th-228	2.295E-04	0.3794	5.150E-07	0.0009	0.000E+00	0.0000	4.675E-07	0.0008	0.000E+00	0.0000	0.000E+00	0.0000	8.179E-08	0.0001
Th-230	7.337E-07	0.0012	2.183E-07	0.0004	0.000E+00	0.0000	6.280E-07	0.0010	0.000E+00	0.0000	0.000E+00	0.0000	1.031E-07	0.0002
Th-232	2.814E-05	0.0465	1.117E-07	0.0002	0.000E+00	0.0000	9.318E-06	0.0154	0.000E+00	0.0000	0.000E+00	0.0000	8.016E-08	0.0001
Total	5.224E-04	0.8637	1.106E-06	0.0018	0.000E+00	0.0000	8.068E-05	0.1334	0.000E+00	0.0000	0.000E+00	0.0000	6.194E-07	0.0010

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.485E-06	0.0025
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	2.380E-05	0.0394
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	3.096E-04	0.5120
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	2.305E-04	0.3812
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	1.683E-06	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	0.000E+00	0.0000	3.765E-05	0.0622
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	6.048E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	1.547E-03	1.202E+01	0.000E+00	0.000E+00	2.084E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.223E+01
Ra-226	2.793E-03	8.638E+01	0.000E+00	0.000E+00	3.763E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.675E+01
Ra-228	4.234E-02	1.302E+03	0.000E+00	0.000E+00	5.705E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.308E+03
Th-228	5.714E-02	6.025E+01	0.000E+00	0.000E+00	7.699E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.794E+01
Th-230	2.136E-01	1.645E+02	0.000E+00	0.000E+00	2.878E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.933E+02
Th-232	6.880E-02	5.298E+01	0.000E+00	0.000E+00	9.269E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.225E+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	Radionuclides							
Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.216E-08	0.0000	1.429E-09	0.0000	1.240E-06	0.0026	0.000E+00	0.0000	0.000E+00	0.0000	2.150E-08	0.0000
Ra-226	1.581E-05	0.0326	2.363E-09	0.0000	1.332E-06	0.0028	0.000E+00	0.0000	0.000E+00	0.0000	5.802E-09	0.0000
Ra-228	1.331E-04	0.2749	5.551E-08	0.0001	5.587E-05	0.1154	0.000E+00	0.0000	0.000E+00	0.0000	2.447E-07	0.0005
Th-228	2.735E-04	0.5648	6.137E-07	0.0013	7.627E-07	0.0016	0.000E+00	0.0000	0.000E+00	0.0000	9.747E-08	0.0002
Th-230	2.580E-07	0.0005	2.179E-07	0.0005	5.874E-07	0.0012	0.000E+00	0.0000	0.000E+00	0.0000	1.028E-07	0.0002
Th-232	4.169E-08	0.0001	8.937E-08	0.0002	2.114E-07	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	3.698E-08	0.0001
Total	4.227E-04	0.8730	9.803E-07	0.0020	6.000E-05	0.1239	0.000E+00	0.0000	0.000E+00	0.0000	5.092E-07	0.0011

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.276E-06	0.0026
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	1.715E-05	0.0354
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	1.893E-04	0.3909
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	2.750E-04	0.5678
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.166E-06	0.0024
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	3.794E-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	4.842E-04	1.0000

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.011E-08	0.0000	1.188E-09	0.0000	0.000E+00	0.0000	1.025E-06	0.0021	0.000E+00	0.0000	0.000E+00	0.0000	1.788E-08	0.0000
Ra-226	1.463E-05	0.0302	2.419E-09	0.0000	0.000E+00	0.0000	1.441E-06	0.0030	0.000E+00	0.0000	0.000E+00	0.0000	8.869E-09	0.0000
Ra-228	2.115E-04	0.4369	3.234E-07	0.0007	0.000E+00	0.0000	3.539E-05	0.0731	0.000E+00	0.0000	0.000E+00	0.0000	1.982E-07	0.0004
Th-228	1.110E-04	0.2293	2.492E-07	0.0005	0.000E+00	0.0000	2.262E-07	0.0005	0.000E+00	0.0000	0.000E+00	0.0000	3.958E-08	0.0001
Th-230	1.440E-06	0.0030	2.181E-07	0.0005	0.000E+00	0.0000	6.933E-07	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	1.033E-07	0.0002
Th-232	8.406E-05	0.1736	1.860E-07	0.0004	0.000E+00	0.0000	2.123E-05	0.0438	0.000E+00	0.0000	0.000E+00	0.0000	1.415E-07	0.0003
Total	4.227E-04	0.8730	9.803E-07	0.0020	0.000E+00	0.0000	6.000E-05	0.1239	0.000E+00	0.0000	0.000E+00	0.0000	5.092E-07	0.0011

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.054E-06	0.0022
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	1.608E-05	0.0332
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	2.475E-04	0.5110
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	1.116E-04	0.2304
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	2.455E-06	0.0051
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	1.056E-04	0.2181
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.842E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	6.628E-04	5.147E+00	0.000E+00	0.000E+00	8.930E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.236E+00
Ra-226	1.033E-03	3.190E+01	0.000E+00	0.000E+00	1.392E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.204E+01
Ra-228	2.754E-02	8.441E+02	0.000E+00	0.000E+00	3.711E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.478E+02
Th-228	3.208E-02	3.523E+01	0.000E+00	0.000E+00	4.322E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.955E+01
Th-230	2.126E-01	1.638E+02	0.000E+00	0.000E+00	2.865E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.924E+02
Th-232	6.848E-02	5.274E+01	0.000E+00	0.000E+00	9.226E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.196E+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

0 Radionuclides

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	5.220E-09	0.0000	6.124E-10	0.0000	5.312E-07	0.0019	0.000E+00	0.0000	0.000E+00	0.0000	9.216E-09	0.0000
Ra-226	5.853E-06	0.0205	8.743E-10	0.0000	4.920E-07	0.0017	0.000E+00	0.0000	0.000E+00	0.0000	2.147E-09	0.0000
Ra-228	8.665E-05	0.3030	3.611E-08	0.0001	3.621E-05	0.1266	0.000E+00	0.0000	0.000E+00	0.0000	1.592E-07	0.0006
Th-228	1.536E-04	0.5373	3.446E-07	0.0012	4.460E-07	0.0016	0.000E+00	0.0000	0.000E+00	0.0000	5.472E-08	0.0002
Th-230	2.572E-07	0.0009	2.169E-07	0.0008	5.846E-07	0.0020	0.000E+00	0.0000	0.000E+00	0.0000	1.023E-07	0.0004
Th-232	4.156E-08	0.0001	8.896E-08	0.0003	2.104E-07	0.0007	0.000E+00	0.0000	0.000E+00	0.0000	3.681E-08	0.0001
Total	2.465E-04	0.8618	6.880E-07	0.0024	3.848E-05	0.1345	0.000E+00	0.0000	0.000E+00	0.0000	3.644E-07	0.0013

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.462E-07	0.0019
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.348E-06	0.0222
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	1.231E-04	0.4303
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	1.545E-04	0.5402
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.161E-06	0.0041
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	3.778E-07	0.0013
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	2.860E-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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.052E-09	0.0000	3.580E-10	0.0000	0.000E+00	0.0000	3.090E-07	0.0011	0.000E+00	0.0000	0.000E+00	0.0000	5.388E-09	0.0000
Ra-226	3.598E-06	0.0126	7.489E-10	0.0000	0.000E+00	0.0000	4.876E-07	0.0017	0.000E+00	0.0000	0.000E+00	0.0000	4.505E-09	0.0000
Ra-228	4.829E-05	0.1689	9.225E-08	0.0003	0.000E+00	0.0000	3.804E-06	0.0133	0.000E+00	0.0000	0.000E+00	0.0000	3.021E-08	0.0001
Th-228	8.756E-06	0.0306	1.964E-08	0.0001	0.000E+00	0.0000	1.783E-08	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	3.119E-09	0.0000
Th-230	2.514E-06	0.0088	2.173E-07	0.0008	0.000E+00	0.0000	8.112E-07	0.0028	0.000E+00	0.0000	0.000E+00	0.0000	1.037E-07	0.0004
Th-232	1.833E-04	0.6409	3.577E-07	0.0013	0.000E+00	0.0000	3.305E-05	0.1156	0.000E+00	0.0000	0.000E+00	0.0000	2.174E-07	0.0008
Total	2.465E-04	0.8618	6.880E-07	0.0024	0.000E+00	0.0000	3.848E-05	0.1345	0.000E+00	0.0000	0.000E+00	0.0000	3.644E-07	0.0013

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	3.177E-07	0.0011
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	4.091E-06	0.0143
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	5.222E-05	0.1826
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	8.796E-06	0.0308
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	3.647E-06	0.0128
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	2.169E-04	0.7585
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	2.860E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	1.104E-04	8.648E-01	0.000E+00	0.000E+00	1.487E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.796E-01
Ra-226	4.652E-04	1.431E+01	0.000E+00	0.000E+00	6.268E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.437E+01
Ra-228	2.546E-02	7.798E+02	0.000E+00	0.000E+00	3.431E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.832E+02
Th-228	2.548E-02	2.934E+01	0.000E+00	0.000E+00	3.433E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.277E+01
Th-230	2.098E-01	1.616E+02	0.000E+00	0.000E+00	2.826E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.898E+02
Th-232	6.757E-02	5.204E+01	0.000E+00	0.000E+00	9.104E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.114E+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	Radionuclides							
Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	8.737E-10	0.0000	1.020E-10	0.0000	8.924E-08	0.0004	0.000E+00	0.0000	0.000E+00	0.0000	1.535E-09	0.0000
Ra-226	2.640E-06	0.0109	3.936E-10	0.0000	2.206E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	9.665E-10	0.0000
Ra-228	8.026E-05	0.3326	3.338E-08	0.0001	3.345E-05	0.1386	0.000E+00	0.0000	0.000E+00	0.0000	1.472E-07	0.0006
Th-228	1.222E-04	0.5066	2.736E-07	0.0011	3.715E-07	0.0015	0.000E+00	0.0000	0.000E+00	0.0000	4.346E-08	0.0002
Th-230	2.547E-07	0.0011	2.140E-07	0.0009	5.768E-07	0.0024	0.000E+00	0.0000	0.000E+00	0.0000	1.009E-07	0.0004
Th-232	4.120E-08	0.0002	8.778E-08	0.0004	2.076E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	3.633E-08	0.0002
Total	2.054E-04	0.8514	6.093E-07	0.0025	3.492E-05	0.1447	0.000E+00	0.0000	0.000E+00	0.0000	3.304E-07	0.0014

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	9.175E-08	0.0004
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	2.862E-06	0.0119
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	1.139E-04	0.4720
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	1.229E-04	0.5095
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.146E-06	0.0048
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	3.729E-07	0.0015
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	2.413E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	9.962E-11	0.0000	1.163E-11	0.0000	0.000E+00	0.0000	1.004E-08	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.750E-10	0.0000
Ra-226	6.548E-08	0.0003	2.560E-11	0.0000	0.000E+00	0.0000	1.921E-08	0.0001	0.000E+00	0.0000	0.000E+00	0.0000	2.625E-10	0.0000
Ra-228	1.498E-07	0.0006	3.089E-10	0.0000	0.000E+00	0.0000	6.388E-09	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.461E-11	0.0000
Th-228	6.170E-09	0.0000	1.381E-11	0.0000	0.000E+00	0.0000	1.254E-11	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.193E-12	0.0000
Th-230	2.830E-06	0.0117	2.144E-07	0.0009	0.000E+00	0.0000	8.574E-07	0.0036	0.000E+00	0.0000	0.000E+00	0.0000	1.030E-07	0.0004
Th-232	2.024E-04	0.8388	3.945E-07	0.0016	0.000E+00	0.0000	3.403E-05	0.1410	0.000E+00	0.0000	0.000E+00	0.0000	2.269E-07	0.0009
Total	2.054E-04	0.8514	6.093E-07	0.0025	0.000E+00	0.0000	3.492E-05	0.1447	0.000E+00	0.0000	0.000E+00	0.0000	3.304E-07	0.0014

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.032E-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	8.498E-08	0.0004
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	1.566E-07	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	6.199E-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	4.005E-06	0.0166
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	2.370E-04	0.9823
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.413E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	7.896E-05	6.211E-01	0.000E+00	0.000E+00	1.064E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.317E-01
Ra-226	4.336E-04	1.333E+01	0.000E+00	0.000E+00	5.842E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.339E+01
Ra-228	2.429E-02	7.438E+02	0.000E+00	0.000E+00	3.272E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.471E+02
Th-228	2.429E-02	2.797E+01	0.000E+00	0.000E+00	3.272E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.125E+01
Th-230	2.000E-01	1.540E+02	0.000E+00	0.000E+00	2.694E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.810E+02
Th-232	6.446E-02	4.964E+01	0.000E+00	0.000E+00	8.685E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.833E+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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	6.355E-10	0.0000	7.296E-11	0.0000	6.410E-08	0.0003	0.000E+00	0.0000	0.000E+00	0.0000	1.098E-09	0.0000
Ra-226	2.477E-06	0.0107	3.668E-10	0.0000	2.056E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	9.008E-10	0.0000
Ra-228	7.708E-05	0.3332	3.184E-08	0.0001	3.191E-05	0.1379	0.000E+00	0.0000	0.000E+00	0.0000	1.404E-07	0.0006
Th-228	1.173E-04	0.5071	2.608E-07	0.0011	3.542E-07	0.0015	0.000E+00	0.0000	0.000E+00	0.0000	4.143E-08	0.0002
Th-230	2.462E-07	0.0011	2.040E-07	0.0009	5.498E-07	0.0024	0.000E+00	0.0000	0.000E+00	0.0000	9.619E-08	0.0004
Th-232	3.996E-08	0.0002	8.373E-08	0.0004	1.981E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	3.465E-08	0.0001
Total	1.971E-04	0.8523	5.808E-07	0.0025	3.328E-05	0.1439	0.000E+00	0.0000	0.000E+00	0.0000	3.146E-07	0.0014

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	6.590E-08	0.0003
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	2.684E-06	0.0116
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	1.092E-04	0.4719
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	1.180E-04	0.5099
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.096E-06	0.0047
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	3.564E-07	0.0015
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	2.313E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	6.257E-16	0.0000	7.183E-17	0.0000	0.000E+00	0.0000	6.199E-14	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.081E-15	0.0000
Ra-226	5.419E-14	0.0000	1.667E-16	0.0000	0.000E+00	0.0000	1.416E-13	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.410E-15	0.0000
Ra-228	3.602E-17	0.0000	7.538E-20	0.0000	0.000E+00	0.0000	1.162E-18	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.655E-20	0.0000
Th-228	5.728E-20	0.0000	1.274E-22	0.0000	0.000E+00	0.0000	1.156E-22	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.023E-23	0.0000
Th-230	2.724E-06	0.0118	2.044E-07	0.0009	0.000E+00	0.0000	8.195E-07	0.0035	0.000E+00	0.0000	0.000E+00	0.0000	9.819E-08	0.0004
Th-232	1.944E-04	0.8405	3.764E-07	0.0016	0.000E+00	0.0000	3.246E-05	0.1403	0.000E+00	0.0000	0.000E+00	0.0000	2.165E-07	0.0009
Total	1.971E-04	0.8523	5.808E-07	0.0025	0.000E+00	0.0000	3.328E-05	0.1439	0.000E+00	0.0000	0.000E+00	0.0000	3.146E-07	0.0014

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.377E-14	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.983E-13	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	3.727E-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	5.755E-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	3.846E-06	0.0166
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	2.275E-04	0.9834
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	2.313E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	6.849E-05	5.387E-01	0.000E+00	0.000E+00	9.228E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.479E-01
Ra-226	3.761E-04	1.157E+01	0.000E+00	0.000E+00	5.067E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.162E+01
Ra-228	2.110E-02	6.463E+02	0.000E+00	0.000E+00	2.843E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.491E+02
Th-228	2.110E-02	2.431E+01	0.000E+00	0.000E+00	2.843E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.715E+01
Th-230	1.735E-01	1.336E+02	0.000E+00	0.000E+00	2.337E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.570E+02
Th-232	5.601E-02	4.313E+01	0.000E+00	0.000E+00	7.546E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.068E+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+02 years

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	5.798E-10	0.0000	6.328E-11	0.0000	5.560E-08	0.0003	0.000E+00	0.0000	0.000E+00	0.0000	9.523E-10	0.0000
Ra-226	2.192E-06	0.0107	3.182E-10	0.0000	1.783E-07	0.0009	0.000E+00	0.0000	0.000E+00	0.0000	7.813E-10	0.0000
Ra-228	6.834E-05	0.3343	2.767E-08	0.0001	2.773E-05	0.1356	0.000E+00	0.0000	0.000E+00	0.0000	1.220E-07	0.0006
Th-228	1.040E-04	0.5085	2.266E-07	0.0011	3.077E-07	0.0015	0.000E+00	0.0000	0.000E+00	0.0000	3.600E-08	0.0002
Th-230	2.228E-07	0.0011	1.769E-07	0.0009	4.769E-07	0.0023	0.000E+00	0.0000	0.000E+00	0.0000	8.343E-08	0.0004
Th-232	3.653E-08	0.0002	7.276E-08	0.0004	1.721E-07	0.0008	0.000E+00	0.0000	0.000E+00	0.0000	3.011E-08	0.0001
Total	1.747E-04	0.8548	5.044E-07	0.0025	2.892E-05	0.1414	0.000E+00	0.0000	0.000E+00	0.0000	2.732E-07	0.0013

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.719E-08	0.0003
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	2.371E-06	0.0116
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	9.622E-05	0.4706
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	1.045E-04	0.5113
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.601E-07	0.0047
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	3.115E-07	0.0015
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	2.044E-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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.055E-29	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	1.884E-28	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	2.415E-06	0.0118	1.773E-07	0.0009	0.000E+00	0.0000	7.108E-07	0.0035	0.000E+00	0.0000	0.000E+00	0.0000	8.517E-08	0.0004
Th-232	1.723E-04	0.8429	3.271E-07	0.0016	0.000E+00	0.0000	2.821E-05	0.1380	0.000E+00	0.0000	0.000E+00	0.0000	1.881E-07	0.0009
Total	1.747E-04	0.8548	5.044E-07	0.0025	0.000E+00	0.0000	2.892E-05	0.1414	0.000E+00	0.0000	0.000E+00	0.0000	2.732E-07	0.0013

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	8.055E-29	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.884E-28	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	3.389E-06	0.0166
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	2.011E-04	0.9834
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	2.044E-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-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	3.790E-05	2.981E-01	0.000E+00	0.000E+00	5.107E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.032E-01
Ra-226	2.081E-04	6.400E+00	0.000E+00	0.000E+00	2.804E-02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.428E+00
Ra-228	1.175E-02	3.599E+02	0.000E+00	0.000E+00	1.583E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.615E+02
Th-228	1.175E-02	1.354E+01	0.000E+00	0.000E+00	1.583E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.512E+01
Th-230	9.599E-02	7.393E+01	0.000E+00	0.000E+00	1.293E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.686E+01
Th-232	3.119E-02	2.402E+01	0.000E+00	0.000E+00	4.202E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.822E+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+03 years

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.922E-10	0.0000	3.502E-11	0.0000	3.077E-08	0.0003	0.000E+00	0.0000	0.000E+00	0.0000	5.270E-10	0.0000
Ra-226	1.284E-06	0.0107	1.761E-10	0.0000	9.869E-08	0.0008	0.000E+00	0.0000	0.000E+00	0.0000	4.324E-10	0.0000
Ra-228	4.036E-05	0.3377	1.541E-08	0.0001	1.544E-05	0.1292	0.000E+00	0.0000	0.000E+00	0.0000	6.793E-08	0.0006
Th-228	6.116E-05	0.5117	1.262E-07	0.0011	1.714E-07	0.0014	0.000E+00	0.0000	0.000E+00	0.0000	2.005E-08	0.0002
Th-230	1.451E-07	0.0012	9.791E-08	0.0008	2.639E-07	0.0022	0.000E+00	0.0000	0.000E+00	0.0000	4.617E-08	0.0004
Th-232	2.532E-08	0.0002	4.052E-08	0.0003	9.585E-08	0.0008	0.000E+00	0.0000	0.000E+00	0.0000	1.677E-08	0.0001
Total	1.030E-04	0.8617	2.803E-07	0.0023	1.610E-05	0.1347	0.000E+00	0.0000	0.000E+00	0.0000	1.519E-07	0.0013

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	3.172E-08	0.0003
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	1.384E-06	0.0116
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	5.588E-05	0.4676
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	6.147E-05	0.5144
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.531E-07	0.0046
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	1.785E-07	0.0015
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	1.195E-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+03 years

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.430E-06	0.0120	9.812E-08	0.0008	0.000E+00	0.0000	3.934E-07	0.0033	0.000E+00	0.0000	0.000E+00	0.0000	4.713E-08	0.0004
Th-232	1.015E-04	0.8497	1.821E-07	0.0015	0.000E+00	0.0000	1.571E-05	0.1314	0.000E+00	0.0000	0.000E+00	0.0000	1.047E-07	0.0009
Total	1.030E-04	0.8617	2.803E-07	0.0023	0.000E+00	0.0000	1.610E-05	0.1347	0.000E+00	0.0000	0.000E+00	0.0000	1.519E-07	0.0013

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.968E-06	0.0165
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	1.175E-04	0.9835
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	1.195E-04	1.0000

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

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Part IV: Concentration of Radionuclides

Concentration of radionuclides in different media
Time= 0.000E+00 2
Time= 1.000E+00 3
Time= 3.000E+00 4
Time= 1.000E+01 5
Time= 3.000E+01 6
Time= 1.000E+02 7
Time= 3.000E+02 8
Time= 1.000E+03 9

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.190E+01	5.553E-01	8.980E-06	0.000E+00	0.000E+00
Ra-226	2.610E+01	1.218E+00	1.969E-05	0.000E+00	0.000E+00
Ra-228	3.816E+02	1.781E+01	2.880E-04	0.000E+00	0.000E+00
Th-228	3.816E+02	1.781E+01	2.880E-04	0.000E+00	0.000E+00
Th-230	1.185E+03	5.530E+01	8.942E-04	0.000E+00	0.000E+00
Th-232	3.816E+02	1.781E+01	2.880E-04	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	3.332E+00	3.334E+00	3.335E+00	3.335E+00	4.035E-01	1.383E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.923E+01	2.924E+01	2.924E+01	2.924E+01	2.597E+00	2.217E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	4.274E+02	4.275E+02	4.275E+02	4.275E+02	3.797E+01	3.242E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.070E+01	1.076E+01	1.077E+01	1.077E+01	9.636E-01	4.748E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.323E+01	3.341E+01	3.344E+01	3.344E+01	2.992E+00	1.474E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.070E+01	1.076E+01	1.077E+01	1.077E+01	9.636E-01	4.748E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.071E+01	4.997E-01	8.079E-06	0.000E+00	0.000E+00
Ra-226	2.183E+01	1.018E+00	1.647E-05	0.000E+00	0.000E+00
Ra-228	3.164E+02	1.476E+01	2.387E-04	0.000E+00	0.000E+00
Th-228	3.705E+02	1.728E+01	2.795E-04	0.000E+00	0.000E+00
Th-230	1.185E+03	5.526E+01	8.936E-04	0.000E+00	0.000E+00
Th-232	3.815E+02	1.780E+01	2.878E-04	0.000E+00	0.000E+00

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

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

Concentration of radionuclides in foodstuff media

at t = 1.000E+00 years*

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	3.037E+00	3.003E+00	3.143E+00	3.125E+00	3.752E-01	1.267E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.461E+01	2.446E+01	2.523E+01	2.500E+01	2.230E+00	1.884E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	3.550E+02	3.543E+02	3.604E+02	3.571E+02	3.176E+01	2.701E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.517E+01	1.079E+01	2.593E+01	2.576E+01	1.648E+00	7.703E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.321E+01	3.339E+01	3.342E+01	3.342E+01	2.990E+00	1.473E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.069E+01	1.075E+01	1.076E+01	1.076E+01	9.630E-01	4.745E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	8.572E+00	3.995E-01	6.460E-06	0.000E+00	0.000E+00
Ra-226	1.548E+01	7.214E-01	1.167E-05	0.000E+00	0.000E+00
Ra-228	2.347E+02	1.094E+01	1.769E-04	0.000E+00	0.000E+00
Th-228	3.167E+02	1.476E+01	2.387E-04	0.000E+00	0.000E+00
Th-230	1.184E+03	5.519E+01	8.924E-04	0.000E+00	0.000E+00
Th-232	3.813E+02	1.777E+01	2.874E-04	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	2.426E+00	2.401E+00	2.507E+00	2.492E+00	2.994E-01	1.012E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.743E+01	1.733E+01	1.784E+01	1.769E+01	1.577E+00	1.334E+00	0.000E+00	0.000E+00
Ra-228	0.000E+00	2.626E+02	2.626E+02	2.648E+02	2.630E+02	2.336E+01	1.993E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	1.241E+01	9.173E+00	2.032E+01	2.020E+01	1.323E+00	6.219E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.316E+01	3.335E+01	3.337E+01	3.337E+01	2.986E+00	1.471E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.068E+01	1.074E+01	1.075E+01	1.075E+01	9.617E-01	4.739E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	3.685E+00	1.712E-01	2.769E-06	0.000E+00	0.000E+00
Ra-226	5.745E+00	2.670E-01	4.317E-06	0.000E+00	0.000E+00
Ra-228	1.531E+02	7.115E+00	1.150E-04	0.000E+00	0.000E+00
Th-228	1.784E+02	8.288E+00	1.340E-04	0.000E+00	0.000E+00
Th-230	1.182E+03	5.493E+01	8.882E-04	0.000E+00	0.000E+00
Th-232	3.807E+02	1.769E+01	2.860E-04	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	1.039E+00	1.029E+00	1.072E+00	1.065E+00	1.280E-01	4.330E-02	0.000E+00	0.000E+00
Ra-226	0.000E+00	6.436E+00	6.410E+00	6.539E+00	6.501E+00	5.790E-01	4.911E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.702E+02	1.707E+02	1.691E+02	1.689E+02	1.497E+01	1.284E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	7.273E+00	5.173E+00	1.227E+01	1.225E+01	7.841E-01	3.680E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.301E+01	3.319E+01	3.322E+01	3.322E+01	2.972E+00	1.465E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.063E+01	1.069E+01	1.070E+01	1.070E+01	9.573E-01	4.717E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	6.191E-01	2.852E-02	4.611E-07	0.000E+00	0.000E+00
Ra-226	2.609E+00	1.202E-01	1.943E-06	0.000E+00	0.000E+00
Ra-228	1.428E+02	6.578E+00	1.064E-04	0.000E+00	0.000E+00
Th-228	1.429E+02	6.582E+00	1.064E-04	0.000E+00	0.000E+00
Th-230	1.176E+03	5.419E+01	8.763E-04	0.000E+00	0.000E+00
Th-232	3.789E+02	1.746E+01	2.823E-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 pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	1.746E-01	1.715E-01	1.829E-01	1.825E-01	2.178E-02	7.308E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.885E+00	2.885E+00	2.889E+00	2.888E+00	2.566E-01	2.189E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.572E+02	1.578E+02	1.557E+02	1.557E+02	1.379E+01	1.185E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	6.073E+00	4.130E+00	1.065E+01	1.065E+01	6.655E-01	3.112E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.256E+01	3.275E+01	3.277E+01	3.277E+01	2.933E+00	1.445E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.049E+01	1.055E+01	1.056E+01	1.056E+01	9.446E-01	4.654E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	4.567E-01	2.040E-02	3.298E-07	0.000E+00	0.000E+00
Ra-226	2.508E+00	1.120E-01	1.811E-06	0.000E+00	0.000E+00
Ra-228	1.405E+02	6.274E+00	1.014E-04	0.000E+00	0.000E+00
Th-228	1.405E+02	6.274E+00	1.014E-04	0.000E+00	0.000E+00
Th-230	1.157E+03	5.166E+01	8.354E-04	0.000E+00	0.000E+00
Th-232	3.728E+02	1.665E+01	2.693E-04	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	1.255E-01	1.227E-01	1.323E-01	1.323E-01	1.574E-02	5.260E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.689E+00	2.689E+00	2.691E+00	2.690E+00	2.390E-01	2.040E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.499E+02	1.506E+02	1.485E+02	1.485E+02	1.316E+01	1.130E+01	0.000E+00	0.000E+00
Th-228	0.000E+00	5.790E+00	3.936E+00	1.016E+01	1.016E+01	6.345E-01	2.967E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	3.104E+01	3.122E+01	3.124E+01	3.124E+01	2.796E+00	1.377E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	1.001E+01	1.006E+01	1.007E+01	1.007E+01	9.011E-01	4.440E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	4.351E-01	1.769E-02	2.861E-07	0.000E+00	0.000E+00
Ra-226	2.389E+00	9.715E-02	1.571E-06	0.000E+00	0.000E+00
Ra-228	1.341E+02	5.452E+00	8.815E-05	0.000E+00	0.000E+00
Th-228	1.341E+02	5.452E+00	8.815E-05	0.000E+00	0.000E+00
Th-230	1.102E+03	4.481E+01	7.246E-04	0.000E+00	0.000E+00
Th-232	3.558E+02	1.447E+01	2.340E-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 pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	1.088E-01	1.064E-01	1.148E-01	1.148E-01	1.365E-02	4.562E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.332E+00	2.332E+00	2.334E+00	2.334E+00	2.073E-01	1.769E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	1.303E+02	1.308E+02	1.291E+02	1.291E+02	1.143E+01	9.822E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	5.031E+00	3.420E+00	8.827E+00	8.827E+00	5.514E-01	2.578E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	2.693E+01	2.708E+01	2.710E+01	2.710E+01	2.425E+00	1.195E-01	0.000E+00	0.000E+00
Th-232	0.000E+00	8.694E+00	8.743E+00	8.750E+00	8.749E+00	7.830E-01	3.858E-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	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	3.672E-01	9.791E-03	1.583E-07	0.000E+00	0.000E+00
Ra-226	2.016E+00	5.376E-02	8.693E-07	0.000E+00	0.000E+00
Ra-228	1.138E+02	3.036E+00	4.909E-05	0.000E+00	0.000E+00
Th-228	1.138E+02	3.036E+00	4.909E-05	0.000E+00	0.000E+00
Th-230	9.299E+02	2.480E+01	4.010E-04	0.000E+00	0.000E+00
Th-232	3.022E+02	8.058E+00	1.303E-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 pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	6.022E-02	5.889E-02	6.351E-02	6.351E-02	7.554E-03	2.525E-03	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.291E+00	1.291E+00	1.292E+00	1.291E+00	1.147E-01	9.791E-02	0.000E+00	0.000E+00
Ra-228	0.000E+00	7.255E+01	7.285E+01	7.189E+01	7.188E+01	6.367E+00	5.470E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	2.802E+00	1.905E+00	4.916E+00	4.916E+00	3.071E-01	1.436E-02	0.000E+00	0.000E+00
Th-230	0.000E+00	1.490E+01	1.498E+01	1.500E+01	1.500E+01	1.342E+00	6.612E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	4.842E+00	4.869E+00	4.873E+00	4.873E+00	4.360E-01	2.148E-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

0Radio- 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	7.77E-04	4.73E-05	0.00E+00	1.15E-01	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-01
Ra-226	1.07E+00	3.71E-05	0.00E+00	1.77E-01	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E+00
Ra-228	8.68E+00	3.19E-04	0.00E+00	2.78E+00	0.00E+00	0.00E+00	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E+01
Th-228	1.42E+01	2.35E-02	0.00E+00	5.88E-02	0.00E+00	0.00E+00	7.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E+01
Th-230	1.27E-02	6.98E-02	0.00E+00	9.03E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-01
Th-232	2.12E-03	1.13E-01	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01
Total	2.40E+01	2.07E-01	0.00E+00	3.37E+00	0.00E+00	0.00E+00	6.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	6.98E-04	4.25E-05	0.00E+00	1.04E-01	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-01
Ra-226	9.00E-01	3.11E-05	0.00E+00	1.49E-01	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E+00
Ra-228	7.28E+00	2.67E-04	0.00E+00	2.33E+00	0.00E+00	0.00E+00	1.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E+00
Th-228	1.35E+01	2.24E-02	0.00E+00	5.67E-02	0.00E+00	0.00E+00	7.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E+01
Th-230	1.27E-02	6.97E-02	0.00E+00	9.03E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-01
Th-232	2.12E-03	1.13E-01	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01
Total	2.17E+01	2.05E-01	0.00E+00	2.88E+00	0.00E+00	0.00E+00	6.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	5.56E-04	3.39E-05	0.00E+00	8.25E-02	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-02
Ra-226	6.41E-01	2.21E-05	0.00E+00	1.06E-01	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-01
Ra-228	5.53E+00	2.03E-04	0.00E+00	1.77E+00	0.00E+00	0.00E+00	7.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E+00
Th-228	1.14E+01	1.88E-02	0.00E+00	4.63E-02	0.00E+00	0.00E+00	5.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+01
Th-230	1.27E-02	6.96E-02	0.00E+00	9.01E-02	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-01
Th-232	2.12E-03	1.13E-01	0.00E+00	1.45E-01	0.00E+00	0.00E+00	2.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-01
Total	1.76E+01	2.01E-01	0.00E+00	2.24E+00	0.00E+00	0.00E+00	5.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	2.38E-04	1.45E-05	0.00E+00	3.52E-02	0.00E+00	0.00E+00	6.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-02
Ra-226	2.44E-01	8.42E-06	0.00E+00	4.02E-02	0.00E+00	0.00E+00	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-01
Ra-228	3.78E+00	1.39E-04	0.00E+00	1.20E+00	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E+00
Th-228	6.55E+00	1.08E-02	0.00E+00	2.79E-02	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E+00
Th-230	1.27E-02	6.93E-02	0.00E+00	8.97E-02	0.00E+00	0.00E+00	1.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-01
Th-232	2.11E-03	1.12E-01	0.00E+00	1.44E-01	0.00E+00	0.00E+00	2.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-01
Total	1.06E+01	1.93E-01	0.00E+00	1.54E+00	0.00E+00	0.00E+00	5.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	4.15E-05	2.51E-06	0.00E+00	6.17E-03	0.00E+00	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-03
Ra-226	1.16E-01	3.99E-06	0.00E+00	1.90E-02	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-01
Ra-228	3.53E+00	1.29E-04	0.00E+00	1.12E+00	0.00E+00	0.00E+00	4.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E+00
Th-228	5.33E+00	8.79E-03	0.00E+00	2.37E-02	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E+00
Th-230	1.26E-02	6.84E-02	0.00E+00	8.85E-02	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-01
Th-232	2.09E-03	1.11E-01	0.00E+00	1.42E-01	0.00E+00	0.00E+00	2.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-01
Total	8.99E+00	1.88E-01	0.00E+00	1.40E+00	0.00E+00	0.00E+00	4.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	3.08E-05	1.83E-06	0.00E+00	4.51E-03	0.00E+00	0.00E+00	7.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-03
Ra-226	1.09E-01	3.73E-06	0.00E+00	1.77E-02	0.00E+00	0.00E+00	7.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-01
Ra-228	3.39E+00	1.23E-04	0.00E+00	1.07E+00	0.00E+00	0.00E+00	4.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E+00
Th-228	5.12E+00	8.38E-03	0.00E+00	2.26E-02	0.00E+00	0.00E+00	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E+00
Th-230	1.21E-02	6.52E-02	0.00E+00	8.44E-02	0.00E+00	0.00E+00	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-01
Th-232	2.03E-03	1.06E-01	0.00E+00	1.35E-01	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-01
Total	8.63E+00	1.79E-01	0.00E+00	1.34E+00	0.00E+00	0.00E+00	4.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	2.81E-05	1.59E-06	0.00E+00	3.91E-03	0.00E+00	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-03
Ra-226	9.64E-02	3.23E-06	0.00E+00	1.54E-02	0.00E+00	0.00E+00	6.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-01
Ra-228	3.01E+00	1.07E-04	0.00E+00	9.30E-01	0.00E+00	0.00E+00	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E+00
Th-228	4.54E+00	7.28E-03	0.00E+00	1.96E-02	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E+00
Th-230	1.10E-02	5.65E-02	0.00E+00	7.32E-02	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-01
Th-232	1.85E-03	9.18E-02	0.00E+00	1.18E-01	0.00E+00	0.00E+00	2.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-01
Total	7.65E+00	1.56E-01	0.00E+00	1.16E+00	0.00E+00	0.00E+00	3.99E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E+00

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	1.90E-05	8.79E-07	0.00E+00	2.17E-03	0.00E+00	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
Ra-226	5.64E-02	1.79E-06	0.00E+00	8.51E-03	0.00E+00	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-02
Ra-228	1.78E+00	5.97E-05	0.00E+00	5.18E-01	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E+00
Th-228	2.67E+00	4.05E-03	0.00E+00	1.09E-02	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E+00
Th-230	7.15E-03	3.13E-02	0.00E+00	4.05E-02	0.00E+00	0.00E+00	7.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-02
Th-232	1.29E-03	5.11E-02	0.00E+00	6.55E-02	0.00E+00	0.00E+00	1.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-01
Total	4.51E+00	8.65E-02	0.00E+00	6.46E-01	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E+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	FPLANT	TRIANGULAR	0	.0285	.057	
32	DM	TRIANGULAR	0	.15	.6	
33	DROOT	LOGNORMAL-N	-1.9	.6		
34	AREA	TRIANGULAR	0	57.3	5730	

0 Probabilistic Total Dose Summary

0Nuclide (j)	Peak Time	Peak Dose	t= 0.00E+00	1.00E+00	3.00E+00	DOSE(j,t), mrem/yr 1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210										
Min	0.00E+00	3.72E-04	3.72E-04	2.33E-06	3.15E-11	6.43E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.24E+00	2.24E+00	2.12E+00	1.90E+00	1.29E+00	4.22E-01	1.40E-02	9.92E-07	6.26E-20
Avg	0.00E+00	2.26E-01	2.26E-01	1.99E-01	1.58E-01	7.76E-02	1.46E-02	1.54E-04	4.06E-09	5.07E-23
Std	0.00E+00	2.72E-01	2.72E-01	2.51E-01	2.13E-01	1.26E-01	3.44E-02	7.14E-04	4.45E-08	1.62E-21
Ra-226										
Min	0.00E+00	4.23E-03	4.23E-03	2.06E-06	1.02E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.14E+00	5.02E+00	5.02E+00	4.99E+00	4.91E+00	4.49E+00	3.42E+00	8.00E-01	1.41E-02	5.30E-08
Avg	9.84E-04	1.18E+00	1.18E+00	1.03E+00	8.27E-01	4.53E-01	1.37E-01	8.26E-03	3.33E-05	3.68E-11
Std	3.06E-02	8.52E-01	8.52E-01	8.30E-01	7.74E-01	5.97E-01	3.10E-01	4.26E-02	4.72E-04	1.37E-09
Ra-228										
Min	0.00E+00	5.47E-02	5.47E-02	5.72E-03	2.06E-03	1.45E-04	7.25E-08	0.00E+00	0.00E+00	0.00E+00
Max	1.84E+00	6.71E+01	6.71E+01	6.14E+01	4.94E+01	2.07E+01	1.20E+00	5.38E-05	4.35E-17	0.00E+00
Avg	2.42E-01	1.34E+01	1.32E+01	1.25E+01	1.01E+01	3.03E+00	6.96E-02	7.01E-07	9.92E-20	0.00E+00
Std	4.47E-01	1.02E+01	1.01E+01	9.93E+00	8.63E+00	3.39E+00	1.40E-01	3.43E-06	1.41E-18	0.00E+00
Th-228										
Min	0.00E+00	5.83E-02	5.83E-02	4.00E-02	1.88E-02	1.33E-03	6.62E-07	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.87E+01	2.87E+01	1.99E+01	9.64E+00	7.57E-01	5.32E-04	5.06E-15	0.00E+00	0.00E+00
Avg	0.00E+00	9.06E+00	9.06E+00	6.30E+00	3.05E+00	2.40E-01	1.68E-04	1.53E-15	0.00E+00	0.00E+00
Std	0.00E+00	5.97E+00	5.97E+00	4.15E+00	2.01E+00	1.59E-01	1.13E-04	1.08E-15	0.00E+00	0.00E+00
Th-230										
Min	0.00E+00	1.58E-03	1.58E-03	1.56E-03	1.48E-03	1.24E-03	6.78E-04	0.00E+00	0.00E+00	0.00E+00
Max	2.49E+02	6.76E+00	1.81E+00	1.91E+00	2.10E+00	2.75E+00	4.19E+00	6.29E+00	6.67E+00	5.69E+00
Avg	3.86E+01	5.06E-01	2.17E-01	2.39E-01	2.75E-01	3.57E-01	4.51E-01	4.88E-01	4.36E-01	2.89E-01
Std	3.53E+01	6.34E-01	2.25E-01	2.39E-01	2.67E-01	3.49E-01	4.94E-01	6.26E-01	6.12E-01	4.92E-01
Th-232										
Min	3.34E+00	1.13E-02	6.43E-03	9.12E-03	1.08E-02	1.09E-02	7.03E-03	0.00E+00	0.00E+00	0.00E+00
Max	4.83E+01	7.00E+01	6.70E+00	1.44E+01	2.77E+01	5.47E+01	6.93E+01	6.93E+01	6.64E+01	5.63E+01
Avg	2.34E+01	1.22E+01	1.09E+00	2.64E+00	5.38E+00	1.04E+01	1.21E+01	1.16E+01	1.03E+01	6.61E+00
Std	9.22E+00	1.13E+01	9.06E-01	2.10E+00	4.32E+00	9.07E+00	1.13E+01	1.12E+01	1.06E+01	8.57E+00
§ALL										
Min	0.00E+00	1.39E-01	1.39E-01	6.43E-02	3.93E-02	1.63E-02	7.71E-03	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	9.75E+01	9.75E+01	9.52E+01	9.10E+01	8.23E+01	7.82E+01	7.64E+01	7.30E+01	6.20E+01
Avg	0.00E+00	2.50E+01	2.50E+01	2.29E+01	1.97E+01	1.46E+01	1.28E+01	1.21E+01	1.07E+01	6.90E+00
Std	0.00E+00	1.73E+01	1.73E+01	1.68E+01	1.58E+01	1.35E+01	1.22E+01	1.18E+01	1.12E+01	9.02E+00

§ALL is total dose summed for all nuclides.

0 Probabilistic Risk Summary
0Nuclide RISK(j,t)

(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210								
Min	1.90E-08	1.74E-10	2.62E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.28E-05	3.10E-05	2.77E-05	1.88E-05	6.16E-06	2.04E-07	1.44E-11	9.09E-25
Avg	3.42E-06	3.01E-06	2.37E-06	1.16E-06	2.16E-07	2.26E-09	5.91E-14	7.36E-28
Std	4.01E-06	3.70E-06	3.15E-06	1.86E-06	5.04E-07	1.04E-08	6.46E-13	0.00E+00
Ra-226								
Min	2.32E-07	3.41E-10	9.60E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.78E-05	7.44E-05	7.38E-05	7.01E-05	5.33E-05	1.23E-05	2.41E-07	9.12E-13
Avg	2.44E-05	2.11E-05	1.66E-05	8.69E-06	2.48E-06	1.42E-07	5.65E-10	6.32E-16
Std	1.59E-05	1.55E-05	1.44E-05	1.08E-05	5.36E-06	7.12E-07	7.97E-09	2.35E-14
Ra-228								
Min	4.12E-06	2.63E-07	5.61E-08	3.97E-09	1.98E-12	0.00E+00	0.00E+00	0.00E+00
Max	1.99E-03	1.81E-03	1.44E-03	5.74E-04	3.33E-05	1.42E-09	1.14E-21	0.00E+00
Avg	3.43E-04	3.28E-04	2.65E-04	8.04E-05	1.84E-06	1.85E-11	2.62E-24	0.00E+00
Std	2.72E-04	2.66E-04	2.29E-04	8.97E-05	3.70E-06	9.06E-11	3.71E-23	0.00E+00
Th-228								
Min	1.59E-06	1.09E-06	5.12E-07	3.62E-08	1.81E-11	0.00E+00	0.00E+00	0.00E+00
Max	7.82E-04	5.44E-04	2.63E-04	2.07E-05	1.45E-08	1.38E-19	0.00E+00	0.00E+00
Avg	2.47E-04	1.72E-04	8.30E-05	6.53E-06	4.58E-09	4.17E-20	0.00E+00	0.00E+00
Std	1.63E-04	1.13E-04	5.48E-05	4.34E-06	3.08E-09	2.95E-20	0.00E+00	0.00E+00
Th-230								
Min	1.44E-08	1.60E-08	1.53E-08	1.28E-08	7.05E-09	0.00E+00	0.00E+00	0.00E+00
Max	1.16E-05	1.30E-05	1.58E-05	2.53E-05	4.73E-05	8.61E-05	9.24E-05	7.91E-05
Avg	1.45E-06	1.90E-06	2.63E-06	4.26E-06	6.06E-06	6.81E-06	6.16E-06	4.16E-06
Std	1.45E-06	1.68E-06	2.19E-06	3.77E-06	6.49E-06	8.90E-06	8.78E-06	7.10E-06
Th-232								
Min	4.38E-09	1.58E-07	2.07E-07	2.04E-07	1.45E-07	0.00E+00	0.00E+00	0.00E+00
Max	4.13E-06	2.27E-04	6.19E-04	1.41E-03	1.81E-03	1.80E-03	1.72E-03	1.45E-03
Avg	4.87E-07	4.04E-05	1.12E-04	2.46E-04	2.92E-04	2.80E-04	2.47E-04	1.60E-04
Std	5.11E-07	3.22E-05	9.18E-05	2.18E-04	2.78E-04	2.75E-04	2.60E-04	2.10E-04
§ALL								
Min	7.26E-06	1.59E-06	8.08E-07	2.71E-07	1.52E-07	0.00E+00	0.00E+00	0.00E+00
Max	2.49E-03	2.42E-03	2.31E-03	2.07E-03	1.93E-03	1.88E-03	1.80E-03	1.52E-03
Avg	6.20E-04	5.66E-04	4.82E-04	3.47E-04	3.02E-04	2.87E-04	2.53E-04	1.64E-04
Std	4.23E-04	4.12E-04	3.85E-04	3.25E-04	2.92E-04	2.84E-04	2.68E-04	2.17E-04

§ALL is total risk summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Ground External

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
				DOSE(i,j,t), mrem/yr				
Pb-210								
Min	2.51E-06	3.18E-08	2.83E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.77E-03	1.67E-03	1.47E-03	9.96E-04	3.93E-04	1.51E-05	1.77E-09	1.27E-22
Avg	6.41E-04	5.52E-04	4.23E-04	1.92E-04	3.29E-05	3.19E-07	7.91E-12	1.02E-25
Std	3.83E-04	3.63E-04	3.19E-04	1.99E-04	5.62E-05	1.18E-06	7.62E-11	3.35E-24
Ra-226								
Min	1.53E-03	1.58E-06	1.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.67E+00	2.53E+00	2.29E+00	1.85E+00	1.18E+00	2.45E-01	5.55E-03	2.13E-08
Avg	8.09E-01	6.97E-01	5.39E-01	2.65E-01	6.54E-02	3.16E-03	1.22E-05	1.47E-11
Std	5.66E-01	5.38E-01	4.82E-01	3.32E-01	1.41E-01	1.56E-02	1.76E-04	5.50E-10
Ra-228								
Min	1.64E-02	4.50E-03	2.00E-03	1.41E-04	7.03E-08	0.00E+00	0.00E+00	0.00E+00
Max	2.55E+01	2.93E+01	2.91E+01	1.38E+01	8.56E-01	3.95E-05	3.26E-17	0.00E+00
Avg	7.78E+00	8.30E+00	7.40E+00	2.42E+00	5.50E-02	5.33E-07	7.32E-20	0.00E+00
Std	5.42E+00	6.22E+00	6.13E+00	2.63E+00	1.08E-01	2.55E-06	1.04E-18	0.00E+00
Th-228								
Min	5.63E-02	3.88E-02	1.82E-02	1.29E-03	6.42E-07	0.00E+00	0.00E+00	0.00E+00
Max	2.85E+01	1.98E+01	9.58E+00	7.53E-01	5.29E-04	5.03E-15	0.00E+00	0.00E+00
Avg	8.98E+00	6.25E+00	3.02E+00	2.38E-01	1.66E-04	1.52E-15	0.00E+00	0.00E+00
Std	5.93E+00	4.13E+00	2.00E+00	1.58E-01	1.12E-04	1.07E-15	0.00E+00	0.00E+00
Th-230								
Min	1.16E-04	1.40E-04	1.35E-04	1.20E-04	8.17E-05	0.00E+00	0.00E+00	0.00E+00
Max	5.49E-02	1.06E-01	2.00E-01	4.65E-01	1.04E+00	1.84E+00	1.97E+00	1.69E+00
Avg	1.80E-02	3.28E-02	5.68E-02	1.09E-01	1.60E-01	1.79E-01	1.62E-01	1.10E-01
Std	1.13E-02	2.21E-02	4.19E-02	9.52E-02	1.74E-01	2.31E-01	2.26E-01	1.82E-01
Th-232								
Min	1.34E-03	2.26E-03	2.91E-03	3.17E-03	2.31E-03	0.00E+00	0.00E+00	0.00E+00
Max	1.49E+00	4.82E+00	1.20E+01	2.96E+01	3.95E+01	3.97E+01	3.84E+01	3.34E+01
Avg	4.60E-01	1.44E+00	3.36E+00	7.27E+00	8.65E+00	8.30E+00	7.30E+00	4.69E+00
Std	3.15E-01	1.02E+00	2.54E+00	6.14E+00	7.89E+00	7.80E+00	7.38E+00	5.94E+00
§ALL								
Min	7.60E-02	4.58E-02	2.33E-02	4.72E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00
Max	5.81E+01	5.63E+01	5.31E+01	4.52E+01	4.25E+01	4.18E+01	4.03E+01	3.51E+01
Avg	1.80E+01	1.67E+01	1.44E+01	1.03E+01	8.93E+00	8.48E+00	7.46E+00	4.80E+00
Std	1.22E+01	1.19E+01	1.11E+01	9.27E+00	8.26E+00	8.03E+00	7.59E+00	6.11E+00

§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	8.47E-10	3.39E-11	3.01E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.14E-04	1.01E-04	7.77E-05	3.14E-05	8.46E-06	1.44E-07	1.27E-11	8.44E-25
Avg	4.49E-06	3.93E-06	3.06E-06	1.43E-06	2.45E-07	2.31E-09	4.97E-14	6.37E-28
Std	7.24E-06	6.47E-06	5.21E-06	2.64E-06	5.94E-07	1.00E-08	4.71E-13	0.00E+00
Ra-226								
Min	6.30E-10	2.59E-12	8.54E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.64E-05	9.06E-05	7.89E-05	5.20E-05	3.48E-05	4.20E-06	9.36E-08	3.49E-13
Avg	3.78E-06	3.54E-06	3.16E-06	2.23E-06	8.94E-07	6.13E-08	1.98E-10	2.39E-16
Std	6.11E-06	5.89E-06	5.47E-06	4.29E-06	2.43E-06	3.05E-07	2.80E-09	9.01E-15
Ra-228								
Min	6.97E-08	1.04E-07	6.64E-08	5.44E-09	3.68E-12	0.00E+00	0.00E+00	0.00E+00
Max	9.34E-03	2.02E-02	2.52E-02	8.86E-03	3.24E-04	5.43E-09	4.40E-21	0.00E+00
Avg	3.67E-04	7.89E-04	9.91E-04	3.95E-04	8.81E-06	7.82E-11	9.00E-24	0.00E+00
Std	5.91E-04	1.29E-03	1.66E-03	7.13E-04	2.26E-05	3.97E-10	1.31E-22	0.00E+00
Th-228								
Min	4.91E-07	3.41E-07	1.64E-07	1.28E-08	8.63E-12	0.00E+00	0.00E+00	0.00E+00
Max	4.88E-02	3.40E-02	1.64E-02	1.29E-03	9.11E-07	8.40E-18	0.00E+00	0.00E+00
Avg	1.93E-03	1.34E-03	6.48E-04	5.10E-05	3.57E-08	3.25E-19	0.00E+00	0.00E+00
Std	3.06E-03	2.13E-03	1.03E-03	8.13E-05	5.72E-08	5.29E-19	0.00E+00	0.00E+00
Th-230								
Min	1.72E-06	1.71E-06	1.70E-06	1.67E-06	1.57E-06	0.00E+00	0.00E+00	0.00E+00
Max	1.71E-01	1.71E-01	1.70E-01	1.70E-01	1.67E-01	1.60E-01	1.40E-01	8.38E-02
Avg	6.74E-03	6.74E-03	6.72E-03	6.68E-03	6.57E-03	6.18E-03	5.24E-03	3.04E-03
Std	1.07E-02	1.07E-02	1.07E-02	1.06E-02	1.05E-02	1.01E-02	8.94E-03	5.84E-03
Th-232								
Min	2.79E-06	2.79E-06	2.80E-06	2.77E-06	2.63E-06	0.00E+00	0.00E+00	0.00E+00
Max	2.77E-01	2.79E-01	2.84E-01	2.97E-01	2.98E-01	2.85E-01	2.50E-01	1.52E-01
Avg	1.09E-02	1.10E-02	1.12E-02	1.17E-02	1.18E-02	1.11E-02	9.46E-03	5.57E-03
Std	1.74E-02	1.75E-02	1.78E-02	1.88E-02	1.89E-02	1.81E-02	1.61E-02	1.08E-02
§ALL								
Min	5.06E-06	4.95E-06	4.73E-06	4.45E-06	4.20E-06	0.00E+00	0.00E+00	0.00E+00
Max	5.06E-01	5.04E-01	4.96E-01	4.77E-01	4.66E-01	4.45E-01	3.89E-01	2.36E-01
Avg	2.00E-02	1.99E-02	1.96E-02	1.89E-02	1.84E-02	1.73E-02	1.47E-02	8.61E-03
Std	3.18E-02	3.16E-02	3.12E-02	3.01E-02	2.95E-02	2.82E-02	2.50E-02	1.65E-02

§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

§ALL is total pathway dose summed for all nuclides.

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

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
				DOSE(i,j,t), mrem/yr				
Pb-210								
Min	3.53E-04	2.22E-06	3.09E-11	6.43E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.24E+00	2.12E+00	1.90E+00	1.29E+00	4.22E-01	1.40E-02	9.90E-07	6.24E-20
Avg	2.24E-01	1.98E-01	1.57E-01	7.71E-02	1.45E-02	1.54E-04	4.05E-09	5.05E-23
Std	2.71E-01	2.50E-01	2.13E-01	1.26E-01	3.44E-02	7.12E-04	4.43E-08	1.62E-21
Ra-226								
Min	4.10E-04	3.83E-07	8.90E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.73E+00	3.75E+00	3.75E+00	3.59E+00	2.53E+00	6.35E-01	8.51E-03	3.17E-08
Avg	3.67E-01	3.36E-01	2.88E-01	1.88E-01	7.17E-02	5.09E-03	2.11E-05	2.21E-11
Std	4.49E-01	4.35E-01	4.08E-01	3.33E-01	1.94E-01	2.88E-02	3.01E-04	8.19E-10
Ra-228								
Min	6.34E-03	2.17E-05	8.01E-06	5.31E-07	1.96E-10	0.00E+00	0.00E+00	0.00E+00
Max	5.47E+01	4.71E+01	3.47E+01	1.18E+01	5.48E-01	2.25E-05	1.10E-17	0.00E+00
Avg	5.40E+00	4.22E+00	2.66E+00	6.07E-01	1.46E-02	1.68E-07	2.60E-20	0.00E+00
Std	6.59E+00	5.47E+00	3.77E+00	1.09E+00	4.10E-02	1.00E-06	3.80E-19	0.00E+00
Th-228								
Min	3.29E-04	2.28E-04	1.10E-04	8.41E-06	3.70E-09	0.00E+00	0.00E+00	0.00E+00
Max	6.90E-01	4.80E-01	2.32E-01	1.84E-02	1.30E-05	1.24E-16	0.00E+00	0.00E+00
Avg	7.13E-02	4.96E-02	2.40E-02	1.89E-03	1.32E-06	1.21E-17	0.00E+00	0.00E+00
Std	8.43E-02	5.87E-02	2.84E-02	2.24E-03	1.59E-06	1.50E-17	0.00E+00	0.00E+00
Th-230								
Min	8.39E-04	8.55E-04	8.64E-04	7.49E-04	4.09E-04	0.00E+00	0.00E+00	0.00E+00
Max	1.77E+00	1.84E+00	1.98E+00	2.49E+00	3.68E+00	5.08E+00	5.19E+00	4.41E+00
Avg	1.83E-01	1.89E-01	2.01E-01	2.32E-01	2.75E-01	2.94E-01	2.62E-01	1.72E-01
Std	2.16E-01	2.24E-01	2.41E-01	2.88E-01	3.74E-01	4.55E-01	4.40E-01	3.49E-01
Th-232								
Min	2.27E-03	2.50E-03	2.42E-03	2.04E-03	9.99E-04	0.00E+00	0.00E+00	0.00E+00
Max	5.95E+00	1.20E+01	2.18E+01	3.97E+01	4.82E+01	4.79E+01	4.57E+01	3.83E+01
Avg	6.05E-01	1.18E+00	1.99E+00	3.13E+00	3.46E+00	3.32E+00	2.93E+00	1.91E+00
Std	7.24E-01	1.44E+00	2.54E+00	4.30E+00	4.95E+00	4.85E+00	4.52E+00	3.52E+00
§ALL								
Min	1.14E-02	3.95E-03	3.45E-03	2.88E-03	1.51E-03	0.00E+00	0.00E+00	0.00E+00
Max	6.91E+01	6.73E+01	6.44E+01	5.89E+01	5.53E+01	5.33E+01	5.07E+01	4.24E+01
Avg	6.85E+00	6.17E+00	5.31E+00	4.24E+00	3.83E+00	3.61E+00	3.19E+00	2.08E+00
Std	8.33E+00	7.88E+00	7.18E+00	6.08E+00	5.55E+00	5.32E+00	4.95E+00	3.86E+00

§ALL is total pathway dose summed for all nuclides.

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

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

§ALL is total pathway dose summed for all nuclides.

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

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

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Soil Ingestion
0Nuclide 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	3.72E-06	3.29E-08	3.49E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.80E-02	3.29E-02	2.47E-02	9.00E-03	1.11E-03	2.44E-05	1.73E-09	6.60E-23
Avg	1.23E-03	1.06E-03	8.13E-04	3.56E-04	5.36E-05	4.06E-07	7.03E-12	5.65E-26
Std	2.07E-03	1.82E-03	1.42E-03	6.49E-04	1.16E-04	1.66E-06	6.82E-11	1.67E-24
Ra-226								
Min	1.33E-06	2.01E-09	9.83E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.64E-02	1.62E-02	1.50E-02	8.89E-03	4.01E-03	7.90E-04	6.88E-06	2.41E-11
Avg	5.31E-04	5.24E-04	5.05E-04	3.95E-04	1.58E-04	9.17E-06	2.27E-08	1.70E-14
Std	8.93E-04	9.03E-04	8.91E-04	7.30E-04	3.73E-04	4.44E-05	2.99E-07	6.22E-13
Ra-228								
Min	2.10E-05	3.10E-06	1.43E-06	9.45E-08	3.49E-11	0.00E+00	0.00E+00	0.00E+00
Max	2.47E-01	2.18E-01	1.57E-01	3.29E-02	6.63E-04	1.84E-08	5.43E-21	0.00E+00
Avg	8.01E-03	7.09E-03	5.24E-03	1.38E-03	2.58E-05	1.93E-10	1.77E-23	0.00E+00
Std	1.35E-02	1.22E-02	9.17E-03	2.49E-03	6.10E-05	9.85E-10	2.40E-22	0.00E+00
Th-228								
Min	1.93E-05	1.33E-05	6.32E-06	4.68E-07	2.70E-10	0.00E+00	0.00E+00	0.00E+00
Max	1.22E-01	8.48E-02	4.10E-02	3.23E-03	2.26E-06	2.05E-17	0.00E+00	0.00E+00
Avg	3.98E-03	2.76E-03	1.34E-03	1.05E-04	7.35E-08	6.64E-19	0.00E+00	0.00E+00
Std	6.59E-03	4.58E-03	2.22E-03	1.75E-04	1.23E-07	1.13E-18	0.00E+00	0.00E+00
Th-230								
Min	4.84E-05	4.80E-05	4.71E-05	4.40E-05	3.57E-05	0.00E+00	0.00E+00	0.00E+00
Max	3.06E-01	3.06E-01	3.06E-01	3.06E-01	3.03E-01	2.85E-01	2.40E-01	1.35E-01
Avg	9.99E-03	9.99E-03	9.99E-03	9.98E-03	9.89E-03	9.32E-03	7.78E-03	4.23E-03
Std	1.66E-02	1.66E-02	1.66E-02	1.66E-02	1.65E-02	1.58E-02	1.38E-02	8.63E-03
Th-232								
Min	7.91E-05	7.97E-05	7.89E-05	7.39E-05	5.94E-05	0.00E+00	0.00E+00	0.00E+00
Max	5.06E-01	5.34E-01	5.78E-01	6.44E-01	6.49E-01	6.15E-01	5.26E-01	2.94E-01
Avg	1.65E-02	1.74E-02	1.88E-02	2.12E-02	2.16E-02	2.03E-02	1.71E-02	9.46E-03
Std	2.74E-02	2.89E-02	3.14E-02	3.55E-02	3.62E-02	3.46E-02	3.04E-02	1.93E-02
§ALL								
Min	1.73E-04	1.48E-04	1.34E-04	1.19E-04	9.51E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.24E+00	1.19E+00	1.12E+00	1.00E+00	9.54E-01	9.01E-01	7.67E-01	4.22E-01
Avg	4.02E-02	3.88E-02	3.67E-02	3.34E-02	3.17E-02	2.96E-02	2.48E-02	1.37E-02
Std	6.69E-02	6.49E-02	6.15E-02	5.57E-02	5.30E-02	5.03E-02	4.41E-02	2.78E-02

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Water Ingestion

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

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Fish Ingestion
0Nuclide DOSE(i,j,t), mrem/yr

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

§ALL is total pathway dose summed for all nuclides.

0 Probabilistic Dose vs Pathway(i): Radon (Water Dep.)

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

§ALL is total pathway dose summed for all nuclides.

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

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

§ALL is total pathway dose summed for all nuclides.

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

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

§ALL is total pathway dose summed for all nuclides.

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

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

§ALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	1.99E+00	1.25E+00	7.23E-01	2.80E-01	2.00E-01	1.00E-01	0.00E+00	0.00E+00
0.050	3.04E+00	2.07E+00	1.17E+00	5.17E-01	4.20E-01	2.66E-01	2.05E-02	0.00E+00
0.075	4.06E+00	2.90E+00	1.66E+00	8.32E-01	6.86E-01	5.07E-01	1.30E-01	0.00E+00
0.100	5.06E+00	3.72E+00	2.28E+00	1.07E+00	9.01E-01	6.83E-01	2.54E-01	0.00E+00
0.125	6.13E+00	4.72E+00	2.92E+00	1.44E+00	1.22E+00	9.64E-01	4.23E-01	0.00E+00
0.150	7.21E+00	5.60E+00	3.65E+00	1.83E+00	1.56E+00	1.27E+00	6.51E-01	0.00E+00
0.175	8.29E+00	6.67E+00	4.52E+00	2.34E+00	1.98E+00	1.63E+00	8.60E-01	0.00E+00
0.200	9.24E+00	7.60E+00	5.34E+00	2.85E+00	2.46E+00	2.04E+00	1.24E+00	0.00E+00
0.225	1.05E+01	8.91E+00	6.31E+00	3.47E+00	2.97E+00	2.49E+00	1.57E+00	0.00E+00
0.250	1.15E+01	9.70E+00	7.26E+00	4.12E+00	3.52E+00	3.11E+00	2.05E+00	3.03E-02
0.275	1.25E+01	1.06E+01	8.10E+00	4.57E+00	3.94E+00	3.54E+00	2.49E+00	1.66E-01
0.300	1.34E+01	1.16E+01	9.04E+00	5.21E+00	4.48E+00	4.01E+00	2.90E+00	4.02E-01
0.325	1.43E+01	1.25E+01	9.56E+00	5.66E+00	4.90E+00	4.47E+00	3.27E+00	6.03E-01
0.350	1.53E+01	1.35E+01	1.05E+01	6.28E+00	5.40E+00	4.97E+00	3.75E+00	8.81E-01
0.375	1.63E+01	1.43E+01	1.12E+01	6.96E+00	5.99E+00	5.50E+00	4.25E+00	1.22E+00
0.400	1.77E+01	1.55E+01	1.23E+01	7.64E+00	6.66E+00	6.09E+00	4.74E+00	1.55E+00
0.425	1.84E+01	1.66E+01	1.34E+01	8.54E+00	7.33E+00	6.82E+00	5.46E+00	1.89E+00
0.450	1.98E+01	1.76E+01	1.45E+01	9.20E+00	7.93E+00	7.34E+00	5.91E+00	2.35E+00
0.475	2.09E+01	1.87E+01	1.52E+01	9.95E+00	8.55E+00	8.03E+00	6.68E+00	2.89E+00
0.500	2.19E+01	1.99E+01	1.62E+01	1.10E+01	9.47E+00	8.94E+00	7.52E+00	3.42E+00
0.525	2.32E+01	2.09E+01	1.73E+01	1.19E+01	1.02E+01	9.62E+00	8.02E+00	3.90E+00
0.550	2.41E+01	2.20E+01	1.84E+01	1.26E+01	1.09E+01	1.04E+01	8.71E+00	4.53E+00
0.575	2.50E+01	2.31E+01	1.95E+01	1.37E+01	1.18E+01	1.12E+01	9.53E+00	5.14E+00
0.600	2.65E+01	2.42E+01	2.09E+01	1.45E+01	1.27E+01	1.19E+01	1.03E+01	5.72E+00
0.625	2.81E+01	2.57E+01	2.19E+01	1.57E+01	1.36E+01	1.28E+01	1.13E+01	6.44E+00
0.650	2.97E+01	2.73E+01	2.33E+01	1.69E+01	1.47E+01	1.39E+01	1.21E+01	7.10E+00
0.675	3.08E+01	2.87E+01	2.50E+01	1.80E+01	1.56E+01	1.47E+01	1.30E+01	7.98E+00
0.700	3.20E+01	3.00E+01	2.66E+01	1.90E+01	1.64E+01	1.56E+01	1.38E+01	8.63E+00
0.725	3.37E+01	3.17E+01	2.77E+01	2.05E+01	1.77E+01	1.66E+01	1.49E+01	9.41E+00
0.750	3.54E+01	3.31E+01	2.91E+01	2.19E+01	1.92E+01	1.82E+01	1.61E+01	1.05E+01
0.775	3.69E+01	3.48E+01	3.05E+01	2.32E+01	2.03E+01	1.93E+01	1.71E+01	1.14E+01
0.800	3.83E+01	3.59E+01	3.21E+01	2.44E+01	2.14E+01	2.04E+01	1.85E+01	1.27E+01
0.825	4.01E+01	3.78E+01	3.36E+01	2.63E+01	2.28E+01	2.20E+01	2.01E+01	1.41E+01
0.850	4.27E+01	4.02E+01	3.60E+01	2.77E+01	2.44E+01	2.35E+01	2.15E+01	1.54E+01
0.875	4.53E+01	4.30E+01	3.85E+01	3.00E+01	2.63E+01	2.52E+01	2.29E+01	1.68E+01
0.900	4.90E+01	4.65E+01	4.17E+01	3.31E+01	2.93E+01	2.80E+01	2.57E+01	1.90E+01
0.925	5.24E+01	4.98E+01	4.50E+01	3.69E+01	3.29E+01	3.18E+01	2.92E+01	2.21E+01
0.950	5.75E+01	5.52E+01	5.07E+01	4.18E+01	3.68E+01	3.54E+01	3.31E+01	2.56E+01
0.975	6.65E+01	6.38E+01	5.73E+01	4.76E+01	4.30E+01	4.15E+01	3.85E+01	3.06E+01
1.000	9.75E+01	9.52E+01	9.10E+01	8.23E+01	7.82E+01	7.64E+01	7.30E+01	6.20E+01

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.39E-01	9.69E+01	2.50E+01	2.19E+01	4.79E+01	6.35E+01	7.17E+01	8.38E+01
1.00E+00	6.43E-02	9.47E+01	2.30E+01	2.00E+01	4.57E+01	6.01E+01	6.57E+01	8.22E+01
1.30E+00	5.85E-02	9.40E+01	2.24E+01	1.96E+01	4.48E+01	5.94E+01	6.47E+01	8.17E+01
1.70E+00	5.26E-02	9.32E+01	2.17E+01	1.85E+01	4.38E+01	5.88E+01	6.37E+01	8.11E+01
2.22E+00	4.65E-02	9.21E+01	2.09E+01	1.73E+01	4.19E+01	5.75E+01	6.21E+01	8.04E+01
2.89E+00	4.02E-02	9.09E+01	1.99E+01	1.63E+01	4.05E+01	5.56E+01	6.03E+01	7.94E+01
3.00E+00	3.93E-02	9.07E+01	1.97E+01	1.61E+01	4.03E+01	5.53E+01	6.00E+01	7.92E+01
3.78E+00	3.40E-02	8.93E+01	1.87E+01	1.54E+01	3.85E+01	5.30E+01	5.83E+01	7.82E+01
4.92E+00	2.83E-02	8.76E+01	1.75E+01	1.44E+01	3.58E+01	5.01E+01	5.64E+01	7.68E+01
6.42E+00	2.37E-02	8.57E+01	1.63E+01	1.29E+01	3.34E+01	4.70E+01	5.50E+01	7.52E+01
8.38E+00	2.02E-02	8.37E+01	1.52E+01	1.16E+01	3.21E+01	4.40E+01	5.36E+01	7.34E+01
1.00E+01	1.86E-02	8.23E+01	1.46E+01	1.09E+01	3.14E+01	4.23E+01	5.26E+01	7.21E+01
1.09E+01	1.79E-02	8.17E+01	1.43E+01	1.06E+01	3.10E+01	4.16E+01	5.22E+01	7.15E+01
1.43E+01	1.63E-02	8.00E+01	1.36E+01	1.00E+01	3.00E+01	4.01E+01	5.09E+01	6.99E+01
1.86E+01	1.49E-02	7.86E+01	1.32E+01	9.64E+00	2.91E+01	3.92E+01	4.99E+01	6.86E+01
2.42E+01	1.35E-02	7.76E+01	1.29E+01	9.47E+00	2.85E+01	3.85E+01	4.92E+01	6.77E+01
3.00E+01	1.21E-02	7.70E+01	1.28E+01	9.40E+00	2.82E+01	3.81E+01	4.87E+01	6.72E+01
3.16E+01	1.17E-02	7.68E+01	1.28E+01	9.38E+00	2.81E+01	3.80E+01	4.87E+01	6.71E+01
4.12E+01	4.20E-03	7.62E+01	1.27E+01	9.32E+00	2.78E+01	3.76E+01	4.82E+01	6.66E+01
5.38E+01	0.00E+00	7.57E+01	1.25E+01	9.25E+00	2.76E+01	3.73E+01	4.79E+01	6.64E+01
7.02E+01	0.00E+00	7.51E+01	1.24E+01	9.14E+00	2.74E+01	3.70E+01	4.75E+01	6.61E+01
9.15E+01	0.00E+00	7.45E+01	1.22E+01	8.92E+00	2.72E+01	3.67E+01	4.70E+01	6.56E+01
1.00E+02	0.00E+00	7.44E+01	1.22E+01	8.83E+00	2.71E+01	3.66E+01	4.69E+01	6.54E+01
1.19E+02	0.00E+00	7.40E+01	1.20E+01	8.63E+00	2.70E+01	3.64E+01	4.65E+01	6.50E+01
1.56E+02	0.00E+00	7.33E+01	1.17E+01	8.28E+00	2.66E+01	3.60E+01	4.60E+01	6.44E+01
2.03E+02	0.00E+00	7.25E+01	1.14E+01	7.89E+00	2.62E+01	3.56E+01	4.52E+01	6.38E+01
2.65E+02	0.00E+00	7.15E+01	1.10E+01	7.45E+00	2.57E+01	3.50E+01	4.42E+01	6.30E+01
3.00E+02	0.00E+00	7.10E+01	1.07E+01	7.27E+00	2.54E+01	3.46E+01	4.36E+01	6.26E+01
3.46E+02	0.00E+00	7.02E+01	1.04E+01	7.12E+00	2.50E+01	3.41E+01	4.29E+01	6.20E+01
4.51E+02	0.00E+00	6.85E+01	9.76E+00	6.50E+00	2.41E+01	3.28E+01	4.12E+01	6.07E+01
5.88E+02	0.00E+00	6.62E+01	8.97E+00	5.74E+00	2.26E+01	3.08E+01	3.90E+01	5.90E+01
7.67E+02	0.00E+00	6.33E+01	8.04E+00	4.57E+00	2.03E+01	2.90E+01	3.62E+01	5.66E+01
1.00E+03	0.00E+00	5.96E+01	6.96E+00	3.36E+00	1.78E+01	2.68E+01	3.30E+01	5.35E+01

Summary of dose at graphical times, reptition 2
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.38E-01	9.75E+01	2.50E+01	2.07E+01	5.05E+01	5.74E+01	6.39E+01	7.49E+01
1.00E+00	1.39E-01	9.52E+01	2.30E+01	1.84E+01	4.74E+01	5.47E+01	6.01E+01	6.72E+01
1.30E+00	1.25E-01	9.45E+01	2.24E+01	1.79E+01	4.62E+01	5.39E+01	5.90E+01	6.51E+01
1.70E+00	1.09E-01	9.36E+01	2.17E+01	1.72E+01	4.48E+01	5.23E+01	5.76E+01	6.39E+01
2.22E+00	9.22E-02	9.25E+01	2.09E+01	1.65E+01	4.32E+01	5.04E+01	5.59E+01	6.31E+01
2.89E+00	7.43E-02	9.12E+01	1.99E+01	1.53E+01	4.12E+01	4.88E+01	5.42E+01	6.20E+01
3.00E+00	7.19E-02	9.10E+01	1.98E+01	1.51E+01	4.10E+01	4.87E+01	5.40E+01	6.19E+01
3.78E+00	5.69E-02	8.96E+01	1.88E+01	1.43E+01	3.90E+01	4.72E+01	5.25E+01	6.07E+01
4.92E+00	4.13E-02	8.78E+01	1.76E+01	1.30E+01	3.68E+01	4.56E+01	5.09E+01	5.92E+01
6.42E+00	2.88E-02	8.58E+01	1.64E+01	1.17E+01	3.53E+01	4.39E+01	4.95E+01	5.75E+01
8.38E+00	2.01E-02	8.36E+01	1.53E+01	1.07E+01	3.37E+01	4.18E+01	4.79E+01	5.56E+01
1.00E+01	1.63E-02	8.23E+01	1.46E+01	1.01E+01	3.25E+01	4.00E+01	4.68E+01	5.45E+01
1.09E+01	1.48E-02	8.16E+01	1.44E+01	9.81E+00	3.19E+01	3.92E+01	4.63E+01	5.39E+01
1.43E+01	1.20E-02	7.98E+01	1.37E+01	9.21E+00	3.05E+01	3.77E+01	4.49E+01	5.23E+01
1.86E+01	1.04E-02	7.83E+01	1.32E+01	8.87E+00	2.95E+01	3.66E+01	4.38E+01	5.11E+01
2.42E+01	8.97E-03	7.73E+01	1.30E+01	8.71E+00	2.90E+01	3.59E+01	4.31E+01	5.02E+01
3.00E+01	7.71E-03	7.66E+01	1.28E+01	8.59E+00	2.86E+01	3.56E+01	4.27E+01	4.97E+01
3.16E+01	7.37E-03	7.65E+01	1.28E+01	8.57E+00	2.86E+01	3.55E+01	4.26E+01	4.96E+01
4.12E+01	5.43E-03	7.58E+01	1.27E+01	8.48E+00	2.83E+01	3.52E+01	4.22E+01	4.92E+01
5.38E+01	3.12E-03	7.53E+01	1.26E+01	8.39E+00	2.79E+01	3.50E+01	4.19E+01	4.88E+01
7.02E+01	4.15E-04	7.47E+01	1.24E+01	8.21E+00	2.76E+01	3.47E+01	4.16E+01	4.84E+01
9.15E+01	0.00E+00	7.41E+01	1.22E+01	8.05E+00	2.74E+01	3.45E+01	4.13E+01	4.80E+01
1.00E+02	0.00E+00	7.39E+01	1.22E+01	8.01E+00	2.73E+01	3.44E+01	4.12E+01	4.79E+01
1.19E+02	0.00E+00	7.35E+01	1.20E+01	7.89E+00	2.71E+01	3.42E+01	4.10E+01	4.76E+01
1.56E+02	0.00E+00	7.29E+01	1.17E+01	7.69E+00	2.67E+01	3.38E+01	4.05E+01	4.70E+01
2.03E+02	0.00E+00	7.20E+01	1.14E+01	7.44E+00	2.62E+01	3.33E+01	3.99E+01	4.63E+01
2.65E+02	0.00E+00	7.10E+01	1.10E+01	7.05E+00	2.57E+01	3.26E+01	3.92E+01	4.55E+01
3.00E+02	0.00E+00	7.04E+01	1.07E+01	6.83E+00	2.55E+01	3.22E+01	3.88E+01	4.50E+01
3.46E+02	0.00E+00	6.96E+01	1.04E+01	6.56E+00	2.51E+01	3.18E+01	3.83E+01	4.43E+01
4.51E+02	0.00E+00	6.78E+01	9.76E+00	5.93E+00	2.40E+01	3.06E+01	3.70E+01	4.29E+01
5.88E+02	0.00E+00	6.55E+01	8.96E+00	5.26E+00	2.25E+01	2.92E+01	3.55E+01	4.10E+01
7.67E+02	0.00E+00	6.26E+01	8.02E+00	4.33E+00	2.07E+01	2.74E+01	3.35E+01	3.87E+01
1.00E+03	0.00E+00	5.87E+01	6.93E+00	3.36E+00	1.88E+01	2.52E+01	3.09E+01	3.57E+01

Summary of dose at graphical times, reptition 3
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.04E-01	8.76E+01	2.50E+01	2.22E+01	4.91E+01	5.68E+01	6.20E+01	7.91E+01
1.00E+00	3.89E-01	8.47E+01	2.30E+01	2.04E+01	4.67E+01	5.54E+01	5.93E+01	7.47E+01
1.30E+00	3.50E-01	8.41E+01	2.24E+01	2.00E+01	4.63E+01	5.49E+01	5.87E+01	7.34E+01
1.70E+00	3.06E-01	8.32E+01	2.17E+01	1.89E+01	4.57E+01	5.41E+01	5.80E+01	7.18E+01
2.22E+00	2.58E-01	8.21E+01	2.09E+01	1.81E+01	4.50E+01	5.26E+01	5.67E+01	6.98E+01
2.89E+00	2.08E-01	8.07E+01	1.99E+01	1.74E+01	4.36E+01	5.10E+01	5.48E+01	6.73E+01
3.00E+00	2.02E-01	8.05E+01	1.98E+01	1.73E+01	4.32E+01	5.07E+01	5.46E+01	6.70E+01
3.78E+00	1.61E-01	7.90E+01	1.88E+01	1.66E+01	4.20E+01	4.94E+01	5.32E+01	6.45E+01
4.92E+00	1.18E-01	7.70E+01	1.76E+01	1.52E+01	4.07E+01	4.76E+01	5.13E+01	6.12E+01
6.42E+00	8.46E-02	7.48E+01	1.64E+01	1.40E+01	3.94E+01	4.58E+01	4.94E+01	5.78E+01
8.38E+00	6.09E-02	7.25E+01	1.52E+01	1.28E+01	3.66E+01	4.40E+01	4.77E+01	5.46E+01
1.00E+01	5.02E-02	7.10E+01	1.46E+01	1.19E+01	3.54E+01	4.26E+01	4.66E+01	5.38E+01
1.09E+01	4.60E-02	7.02E+01	1.43E+01	1.16E+01	3.49E+01	4.20E+01	4.60E+01	5.33E+01
1.43E+01	3.68E-02	6.83E+01	1.36E+01	1.10E+01	3.36E+01	4.05E+01	4.46E+01	5.22E+01
1.86E+01	2.99E-02	6.67E+01	1.32E+01	1.07E+01	3.26E+01	3.94E+01	4.34E+01	5.12E+01
2.42E+01	2.31E-02	6.56E+01	1.29E+01	1.05E+01	3.20E+01	3.86E+01	4.26E+01	5.06E+01
3.00E+01	1.73E-02	6.50E+01	1.28E+01	1.04E+01	3.16E+01	3.82E+01	4.21E+01	5.01E+01
3.16E+01	1.58E-02	6.49E+01	1.28E+01	1.04E+01	3.16E+01	3.81E+01	4.20E+01	5.01E+01
4.12E+01	7.85E-03	6.43E+01	1.27E+01	1.03E+01	3.13E+01	3.77E+01	4.17E+01	4.97E+01
5.38E+01	7.32E-07	6.38E+01	1.25E+01	1.02E+01	3.10E+01	3.75E+01	4.14E+01	4.93E+01
7.02E+01	0.00E+00	6.34E+01	1.24E+01	1.00E+01	3.08E+01	3.72E+01	4.11E+01	4.89E+01
9.15E+01	0.00E+00	6.29E+01	1.22E+01	9.80E+00	3.05E+01	3.70E+01	4.08E+01	4.84E+01
1.00E+02	0.00E+00	6.27E+01	1.21E+01	9.71E+00	3.04E+01	3.69E+01	4.07E+01	4.82E+01
1.19E+02	0.00E+00	6.24E+01	1.20E+01	9.54E+00	3.02E+01	3.65E+01	4.05E+01	4.78E+01
1.56E+02	0.00E+00	6.18E+01	1.17E+01	9.16E+00	2.97E+01	3.58E+01	4.01E+01	4.71E+01
2.03E+02	0.00E+00	6.11E+01	1.14E+01	8.75E+00	2.92E+01	3.49E+01	3.96E+01	4.62E+01
2.65E+02	0.00E+00	6.01E+01	1.09E+01	8.28E+00	2.83E+01	3.38E+01	3.90E+01	4.51E+01
3.00E+02	0.00E+00	5.96E+01	1.07E+01	8.06E+00	2.77E+01	3.33E+01	3.87E+01	4.45E+01
3.46E+02	0.00E+00	5.89E+01	1.04E+01	7.71E+00	2.70E+01	3.29E+01	3.82E+01	4.37E+01
4.51E+02	0.00E+00	5.73E+01	9.71E+00	7.02E+00	2.55E+01	3.14E+01	3.71E+01	4.25E+01
5.88E+02	0.00E+00	5.52E+01	8.90E+00	6.22E+00	2.40E+01	2.97E+01	3.54E+01	4.10E+01
7.67E+02	0.00E+00	5.25E+01	7.95E+00	5.09E+00	2.22E+01	2.86E+01	3.32E+01	3.91E+01
1.00E+03	0.00E+00	4.91E+01	6.84E+00	3.58E+00	1.97E+01	2.67E+01	3.06E+01	3.66E+01

Summary of dose at graphical times, reptition 4
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.92E-01	9.12E+01	2.51E+01	2.19E+01	5.04E+01	5.88E+01	6.95E+01	7.95E+01
1.00E+00	2.69E-01	8.99E+01	2.31E+01	2.00E+01	4.71E+01	5.49E+01	6.60E+01	7.41E+01
1.30E+00	2.40E-01	8.95E+01	2.25E+01	1.95E+01	4.60E+01	5.37E+01	6.54E+01	7.26E+01
1.70E+00	2.11E-01	8.90E+01	2.18E+01	1.87E+01	4.48E+01	5.29E+01	6.47E+01	7.07E+01
2.22E+00	1.82E-01	8.83E+01	2.10E+01	1.75E+01	4.37E+01	5.22E+01	6.26E+01	6.84E+01
2.89E+00	1.53E-01	8.75E+01	2.00E+01	1.64E+01	4.24E+01	5.02E+01	6.01E+01	6.62E+01
3.00E+00	1.49E-01	8.74E+01	1.99E+01	1.63E+01	4.23E+01	4.99E+01	5.97E+01	6.60E+01
3.78E+00	1.25E-01	8.65E+01	1.89E+01	1.54E+01	4.12E+01	4.84E+01	5.80E+01	6.47E+01
4.92E+00	9.97E-02	8.54E+01	1.77E+01	1.42E+01	3.94E+01	4.73E+01	5.53E+01	6.25E+01
6.42E+00	6.91E-02	8.41E+01	1.65E+01	1.30E+01	3.73E+01	4.61E+01	5.27E+01	6.08E+01
8.38E+00	4.48E-02	8.27E+01	1.54E+01	1.20E+01	3.60E+01	4.43E+01	5.08E+01	5.86E+01
1.00E+01	3.43E-02	8.18E+01	1.47E+01	1.13E+01	3.51E+01	4.24E+01	4.95E+01	5.72E+01
1.09E+01	3.05E-02	8.14E+01	1.44E+01	1.10E+01	3.46E+01	4.16E+01	4.88E+01	5.65E+01
1.43E+01	2.31E-02	8.02E+01	1.38E+01	1.03E+01	3.31E+01	3.96E+01	4.69E+01	5.47E+01
1.86E+01	1.90E-02	7.92E+01	1.33E+01	9.93E+00	3.19E+01	3.82E+01	4.56E+01	5.33E+01
2.42E+01	1.57E-02	7.85E+01	1.31E+01	9.73E+00	3.12E+01	3.72E+01	4.46E+01	5.22E+01
3.00E+01	1.30E-02	7.82E+01	1.29E+01	9.65E+00	3.09E+01	3.69E+01	4.41E+01	5.16E+01
3.16E+01	1.23E-02	7.81E+01	1.29E+01	9.63E+00	3.08E+01	3.69E+01	4.39E+01	5.15E+01
4.12E+01	8.46E-03	7.77E+01	1.28E+01	9.55E+00	3.06E+01	3.67E+01	4.34E+01	5.09E+01
5.38E+01	4.30E-03	7.74E+01	1.26E+01	9.37E+00	3.03E+01	3.65E+01	4.29E+01	5.04E+01
7.02E+01	7.05E-05	7.70E+01	1.25E+01	9.24E+00	3.01E+01	3.64E+01	4.24E+01	4.99E+01
9.15E+01	0.00E+00	7.66E+01	1.23E+01	9.05E+00	2.99E+01	3.62E+01	4.18E+01	4.93E+01
1.00E+02	0.00E+00	7.64E+01	1.22E+01	8.95E+00	2.98E+01	3.60E+01	4.17E+01	4.90E+01
1.19E+02	0.00E+00	7.60E+01	1.21E+01	8.77E+00	2.97E+01	3.57E+01	4.14E+01	4.85E+01
1.56E+02	0.00E+00	7.54E+01	1.18E+01	8.52E+00	2.89E+01	3.51E+01	4.08E+01	4.77E+01
2.03E+02	0.00E+00	7.46E+01	1.15E+01	8.22E+00	2.83E+01	3.43E+01	4.01E+01	4.66E+01
2.65E+02	0.00E+00	7.36E+01	1.10E+01	7.81E+00	2.75E+01	3.33E+01	3.92E+01	4.51E+01
3.00E+02	0.00E+00	7.30E+01	1.08E+01	7.56E+00	2.72E+01	3.30E+01	3.85E+01	4.44E+01
3.46E+02	0.00E+00	7.23E+01	1.05E+01	7.26E+00	2.66E+01	3.27E+01	3.76E+01	4.33E+01
4.51E+02	0.00E+00	7.06E+01	9.80E+00	6.38E+00	2.53E+01	3.15E+01	3.57E+01	4.18E+01
5.88E+02	0.00E+00	6.85E+01	9.00E+00	5.59E+00	2.37E+01	2.94E+01	3.36E+01	4.03E+01
7.67E+02	0.00E+00	6.57E+01	8.05E+00	4.46E+00	2.19E+01	2.74E+01	3.16E+01	3.85E+01
1.00E+03	0.00E+00	6.20E+01	6.96E+00	3.26E+00	1.97E+01	2.50E+01	2.96E+01	3.61E+01

Summary of dose at graphical times, reptition 5
Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	6.56E-01	9.15E+01	2.48E+01	2.23E+01	4.82E+01	5.75E+01	7.05E+01	8.53E+01
1.00E+00	4.07E-01	8.50E+01	2.28E+01	2.03E+01	4.61E+01	5.52E+01	6.64E+01	8.16E+01
1.30E+00	3.64E-01	8.40E+01	2.22E+01	1.96E+01	4.55E+01	5.40E+01	6.51E+01	7.93E+01
1.70E+00	3.15E-01	8.27E+01	2.15E+01	1.88E+01	4.42E+01	5.26E+01	6.36E+01	7.83E+01
2.22E+00	2.62E-01	8.12E+01	2.07E+01	1.78E+01	4.33E+01	5.12E+01	6.17E+01	7.71E+01
2.89E+00	2.07E-01	7.93E+01	1.97E+01	1.65E+01	4.20E+01	4.93E+01	6.06E+01	7.56E+01
3.00E+00	1.99E-01	7.90E+01	1.96E+01	1.63E+01	4.19E+01	4.90E+01	6.04E+01	7.54E+01
3.78E+00	1.53E-01	7.73E+01	1.86E+01	1.51E+01	4.02E+01	4.72E+01	5.93E+01	7.39E+01
4.92E+00	1.05E-01	7.53E+01	1.74E+01	1.41E+01	3.88E+01	4.52E+01	5.66E+01	7.20E+01
6.42E+00	6.74E-02	7.31E+01	1.62E+01	1.25E+01	3.68E+01	4.24E+01	5.36E+01	6.99E+01
8.38E+00	4.13E-02	7.08E+01	1.51E+01	1.15E+01	3.49E+01	3.99E+01	5.16E+01	6.77E+01
1.00E+01	3.01E-02	6.93E+01	1.44E+01	1.09E+01	3.36E+01	3.91E+01	5.07E+01	6.63E+01
1.09E+01	2.61E-02	6.85E+01	1.42E+01	1.06E+01	3.30E+01	3.87E+01	5.02E+01	6.56E+01
1.43E+01	1.84E-02	6.66E+01	1.35E+01	9.93E+00	3.14E+01	3.77E+01	4.89E+01	6.37E+01
1.86E+01	1.44E-02	6.50E+01	1.31E+01	9.55E+00	3.04E+01	3.68E+01	4.79E+01	6.20E+01
2.42E+01	1.15E-02	6.39E+01	1.28E+01	9.37E+00	2.97E+01	3.62E+01	4.72E+01	6.07E+01
3.00E+01	9.08E-03	6.33E+01	1.27E+01	9.28E+00	2.94E+01	3.58E+01	4.68E+01	6.00E+01
3.16E+01	8.43E-03	6.32E+01	1.27E+01	9.26E+00	2.93E+01	3.58E+01	4.67E+01	5.98E+01
4.12E+01	4.93E-03	6.27E+01	1.25E+01	9.18E+00	2.91E+01	3.54E+01	4.63E+01	5.92E+01
5.38E+01	1.07E-03	6.22E+01	1.24E+01	9.08E+00	2.89E+01	3.52E+01	4.59E+01	5.86E+01
7.02E+01	0.00E+00	6.18E+01	1.23E+01	8.95E+00	2.87E+01	3.49E+01	4.56E+01	5.80E+01
9.15E+01	0.00E+00	6.13E+01	1.21E+01	8.78E+00	2.84E+01	3.45E+01	4.52E+01	5.74E+01
1.00E+02	0.00E+00	6.12E+01	1.20E+01	8.72E+00	2.84E+01	3.44E+01	4.51E+01	5.73E+01
1.19E+02	0.00E+00	6.09E+01	1.19E+01	8.51E+00	2.82E+01	3.41E+01	4.48E+01	5.69E+01
1.56E+02	0.00E+00	6.03E+01	1.16E+01	8.08E+00	2.77E+01	3.37E+01	4.43E+01	5.64E+01
2.03E+02	0.00E+00	5.97E+01	1.12E+01	7.61E+00	2.71E+01	3.32E+01	4.37E+01	5.57E+01
2.65E+02	0.00E+00	5.88E+01	1.08E+01	7.06E+00	2.62E+01	3.26E+01	4.29E+01	5.49E+01
3.00E+02	0.00E+00	5.83E+01	1.06E+01	6.88E+00	2.57E+01	3.22E+01	4.25E+01	5.44E+01
3.46E+02	0.00E+00	5.76E+01	1.03E+01	6.68E+00	2.51E+01	3.18E+01	4.19E+01	5.38E+01
4.51E+02	0.00E+00	5.62E+01	9.62E+00	5.99E+00	2.40E+01	3.08E+01	4.06E+01	5.23E+01
5.88E+02	0.00E+00	5.43E+01	8.83E+00	5.16E+00	2.27E+01	2.95E+01	3.90E+01	5.05E+01
7.67E+02	0.00E+00	5.19E+01	7.90E+00	4.25E+00	2.10E+01	2.71E+01	3.69E+01	4.81E+01
1.00E+03	0.00E+00	4.89E+01	6.83E+00	3.20E+00	1.87E+01	2.42E+01	3.41E+01	4.51E+01

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	2.501E+01
2	0.000E+00	2.495E+01
3	0.000E+00	2.496E+01
4	0.000E+00	2.507E+01
5	0.000E+00	2.478E+01

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	11	0.07	6	0.12	26	0.02	13	0.03
Kd of Th-230 in Unsaturated Zone 1	33	0.01	33	0.00	29	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	7	-0.10	10	-0.04	21	0.04	15	0.02
Kd of Th-230 in Saturated Zone	28	-0.02	29	-0.01	27	0.02	27	0.01
Kd of Th-228 in Contaminated Zone	14	-0.05	5	-0.14	25	-0.02	7	-0.04
Kd of Th-228 in Unsaturated Zone 1	27	-0.02	28	-0.01	22	0.04	17	0.02
Kd of Th-228 in Unsaturated Zone 2	23	0.03	24	0.01	10	0.06	11	0.03
Kd of Th-228 in Saturated Zone	30	0.01	30	0.01	28	-0.02	12	-0.03
Kd of Th-230 in Contaminated Zone	10	0.07	7	0.12	19	0.04	6	0.05
Kd of Th-230 in Unsaturated Zone 1	32	0.01	32	0.00	32	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	21	0.03	21	0.02	18	-0.05	14	-0.02
Kd of Th-230 in Saturated Zone	19	-0.05	19	-0.02	31	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 3	34	0.00	34	0.00	20	-0.04	25	-0.01
Kd of Th-230 in Unsaturated Zone 3	17	-0.05	18	-0.02	33	0.00	33	0.00
Kd of Th-232 in Unsaturated Zone 3	26	-0.02	27	-0.01	23	-0.03	26	-0.01
Thickness of contaminated zone	2	0.68	1	0.75	2	0.83	1	0.99
Thickness of Unsaturated zone 1	15	0.05	15	0.02	12	0.06	19	0.02
Thickness of Unsaturated zone 2	24	0.03	25	0.01	15	0.05	22	0.01
Thickness of Unsaturated zone 3	20	0.04	20	0.02	6	0.13	8	0.04
Hydraulic Conductivity of Unsaturated zone 1	13	-0.06	14	-0.03	34	0.00	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	31	-0.01	31	0.00	30	-0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	9	0.07	12	0.03	9	0.06	16	0.02
Saturated zone hydraulic conductivity	6	0.10	9	0.04	11	0.06	18	0.02
Evapotranspiration coefficient	16	0.05	16	0.02	16	0.05	23	0.01
Wind Speed	5	-0.11	8	-0.05	8	-0.11	10	-0.03
Runoff coefficient	18	0.05	17	0.02	14	-0.05	21	-0.02
Inhalation rate	25	-0.02	26	-0.01	24	-0.03	29	-0.01
Mass loading for inhalation	22	-0.03	22	-0.01	13	-0.06	20	-0.02
Outdoor time fraction	1	0.71	2	0.43	1	0.83	2	0.43
Soil ingestion	12	-0.06	13	-0.03	17	-0.05	24	-0.01
Plant food	4	0.38	3	0.18	4	0.48	5	0.16
Depth of soil mixing layer	8	-0.09	11	-0.04	7	-0.12	9	-0.03
Depth of roots	3	-0.38	4	-0.18	3	-0.54	4	-0.19
Area of contaminated zone	29	-0.02	23	-0.01	5	0.27	3	0.19
R-SQUARE		0.83		0.83		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	0.01	16	0.02	19	-0.03	12	-0.03
Kd of Th-230 in Unsaturated Zone 1	10	-0.07	13	-0.03	26	-0.02	22	-0.01
Kd of Th-230 in Unsaturated Zone 2	12	0.06	14	0.02	34	0.00	34	0.00
Kd of Th-230 in Saturated Zone	15	0.05	18	0.02	25	-0.02	21	-0.01
Kd of Th-228 in Contaminated Zone	24	0.01	10	0.04	22	0.03	8	0.04
Kd of Th-228 in Unsaturated Zone 1	19	0.02	21	0.02	24	-0.02	20	-0.01
Kd of Th-228 in Unsaturated Zone 2	5	-0.16	5	-0.07	9	-0.09	7	-0.04
Kd of Th-228 in Saturated Zone	34	0.00	33	0.00	17	0.03	6	0.05
Kd of Th-230 in Contaminated Zone	21	-0.02	11	-0.03	15	-0.04	9	-0.04
Kd of Th-230 in Unsaturated Zone 1	22	0.02	24	0.01	33	-0.01	33	0.00
Kd of Th-230 in Unsaturated Zone 2	33	0.01	34	0.00	14	-0.04	15	-0.02
Kd of Th-230 in Saturated Zone	8	-0.09	9	-0.04	13	-0.04	14	-0.02
Kd of Th-228 in Unsaturated Zone 3	18	-0.03	22	-0.01	10	0.07	16	0.02
Kd of Th-230 in Unsaturated Zone 3	28	0.01	28	0.00	28	-0.02	28	-0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.01	29	0.00	27	0.02	27	0.01
Thickness of contaminated zone	2	0.68	1	0.74	1	0.84	1	0.97
Thickness of Unsaturated zone 1	20	-0.02	23	-0.01	11	-0.06	17	-0.02
Thickness of Unsaturated zone 2	7	-0.10	8	-0.04	12	-0.06	18	-0.02
Thickness of Unsaturated zone 3	6	0.12	6	0.05	21	0.03	25	0.01
Hydraulic Conductivity of Unsaturated zone 1	25	0.01	26	0.01	32	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	25	0.01	30	0.02	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	30	-0.01	30	0.00	20	-0.03	24	-0.01
Saturated zone hydraulic conductivity	17	0.04	20	0.02	23	-0.02	26	-0.01
Evapotranspiration coefficient	14	0.05	17	0.02	6	0.13	10	0.04
Wind Speed	32	0.01	32	0.00	29	0.02	29	0.00
Runoff coefficient	9	0.08	12	0.03	7	0.11	11	0.03
Inhalation rate	31	0.01	31	0.00	18	0.03	23	0.01
Mass loading for inhalation	13	-0.05	15	-0.02	8	-0.10	13	-0.03
Outdoor time fraction	1	0.69	2	0.41	2	0.83	2	0.41
Soil ingestion	16	0.05	19	0.02	31	0.02	31	0.00
Plant food	3	0.35	3	0.16	4	0.45	5	0.14
Depth of soil mixing layer	26	-0.01	27	-0.01	16	0.04	19	0.01
Depth of roots	4	-0.35	4	-0.16	3	-0.48	3	-0.15
Area of contaminated zone	11	-0.06	7	-0.04	5	0.23	4	0.15
R-SQUARE		0.83		0.83		0.93		0.93

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	-0.01	20	-0.01	20	0.05	8	0.06
Kd of Th-230 in Unsaturated Zone 1	25	0.02	26	0.01	19	-0.05	16	-0.02
Kd of Th-230 in Unsaturated Zone 2	20	0.02	25	0.01	23	-0.04	21	-0.02
Kd of Th-230 in Saturated Zone	18	0.03	23	0.01	10	-0.08	13	-0.04
Kd of Th-228 in Contaminated Zone	27	0.02	7	0.05	22	-0.04	7	-0.07
Kd of Th-228 in Unsaturated Zone 1	31	0.01	29	0.01	26	-0.03	25	-0.01
Kd of Th-228 in Unsaturated Zone 2	30	-0.01	32	0.00	29	-0.03	26	-0.01
Kd of Th-228 in Saturated Zone	15	0.03	16	0.02	12	0.08	5	0.12
Kd of Th-230 in Contaminated Zone	26	-0.02	10	-0.03	21	0.04	9	0.05
Kd of Th-230 in Unsaturated Zone 1	13	0.04	18	0.02	11	-0.08	12	-0.04
Kd of Th-230 in Unsaturated Zone 2	14	0.04	19	0.01	8	-0.10	10	-0.05
Kd of Th-230 in Saturated Zone	19	0.03	24	0.01	25	-0.03	24	-0.01
Kd of Th-228 in Unsaturated Zone 3	23	-0.02	14	-0.02	32	0.01	32	0.00
Kd of Th-230 in Unsaturated Zone 3	21	0.02	27	0.01	24	-0.04	27	-0.01
Kd of Th-232 in Unsaturated Zone 3	17	-0.03	22	-0.01	28	-0.03	29	-0.01
Thickness of contaminated zone	2	0.71	1	0.75	1	0.86	1	0.96
Thickness of Unsaturated zone 1	33	0.00	33	0.00	13	-0.08	17	-0.02
Thickness of Unsaturated zone 2	10	-0.07	12	-0.03	9	-0.09	15	-0.02
Thickness of Unsaturated zone 3	6	0.13	6	0.06	16	0.07	19	0.02
Hydraulic Conductivity of Unsaturated zone 1	7	0.11	8	0.05	6	0.14	11	0.04
Hydraulic Conductivity of Unsaturated zone 2	24	-0.02	28	-0.01	30	0.03	30	0.01
Hydraulic Conductivity of Unsaturated zone 3	34	0.00	34	0.00	18	-0.05	23	-0.01
Saturated zone hydraulic conductivity	16	-0.03	21	-0.01	15	-0.07	20	-0.02
Evapotranspiration coefficient	5	0.18	5	0.07	27	0.03	28	0.01
Wind Speed	12	0.04	17	0.02	33	0.01	33	0.00
Runoff coefficient	29	-0.02	31	-0.01	7	0.11	14	0.03
Inhalation rate	8	0.10	9	0.04	14	0.07	18	0.02
Mass loading for inhalation	9	-0.07	11	-0.03	34	0.00	34	0.00
Outdoor time fraction	1	0.72	2	0.44	2	0.84	2	0.41
Soil ingestion	11	0.06	13	0.03	17	0.06	22	0.02
Plant food	4	0.27	4	0.12	4	0.39	6	0.11
Depth of soil mixing layer	28	0.02	30	0.01	31	-0.02	31	-0.01
Depth of roots	3	-0.40	3	-0.18	3	-0.53	3	-0.17
Area of contaminated zone	22	-0.02	15	-0.02	5	0.23	4	0.14
R-SQUARE		0.84		0.84		0.93		0.93

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	30	0.01	19	0.02	34	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 1	8	0.13	10	0.05	23	-0.04	21	-0.02
Kd of Th-230 in Unsaturated Zone 2	23	-0.03	25	-0.01	16	-0.06	14	-0.03
Kd of Th-230 in Saturated Zone	5	0.16	7	0.06	20	0.05	18	0.02
Kd of Th-228 in Contaminated Zone	21	-0.03	6	-0.08	32	-0.01	20	-0.02
Kd of Th-228 in Unsaturated Zone 1	29	-0.02	30	-0.01	29	0.02	28	0.01
Kd of Th-228 in Unsaturated Zone 2	9	0.12	12	0.05	13	-0.07	9	-0.03
Kd of Th-228 in Saturated Zone	18	-0.04	8	-0.05	25	0.03	8	0.03
Kd of Th-230 in Contaminated Zone	26	0.02	15	0.04	31	0.01	24	0.01
Kd of Th-230 in Unsaturated Zone 1	34	0.00	34	0.00	17	0.06	16	0.02
Kd of Th-230 in Unsaturated Zone 2	25	-0.03	27	-0.01	30	-0.01	29	-0.01
Kd of Th-230 in Saturated Zone	20	0.03	11	0.05	18	-0.06	15	-0.03
Kd of Th-228 in Unsaturated Zone 3	24	-0.03	26	-0.01	8	0.11	10	0.03
Kd of Th-230 in Unsaturated Zone 3	17	-0.05	22	-0.02	22	0.04	26	0.01
Kd of Th-232 in Unsaturated Zone 3	28	0.02	29	0.01	14	-0.07	19	-0.02
Thickness of contaminated zone	1	0.71	1	0.71	1	0.86	1	0.94
Thickness of Unsaturated zone 1	31	-0.01	31	0.00	28	0.02	32	0.01
Thickness of Unsaturated zone 2	12	0.09	16	0.04	7	0.13	7	0.03
Thickness of Unsaturated zone 3	22	-0.03	24	-0.01	11	-0.10	13	-0.03
Hydraulic Conductivity of Unsaturated zone 1	32	-0.01	32	0.00	15	0.06	22	0.02
Hydraulic Conductivity of Unsaturated zone 2	7	0.14	9	0.05	27	-0.02	31	-0.01
Hydraulic Conductivity of Unsaturated zone 3	13	-0.07	17	-0.03	21	-0.04	25	-0.01
Saturated zone hydraulic conductivity	27	0.02	28	0.01	19	0.06	23	0.01
Evapotranspiration coefficient	33	0.00	33	0.00	24	0.03	27	0.01
Wind Speed	11	0.12	14	0.05	6	0.16	6	0.04
Runoff coefficient	10	0.12	13	0.05	9	0.11	11	0.03
Inhalation rate	15	0.06	20	0.02	10	-0.11	12	-0.03
Mass loading for inhalation	16	0.05	21	0.02	26	0.02	30	0.01
Outdoor time fraction	2	0.71	2	0.38	2	0.83	2	0.39
Soil ingestion	14	-0.07	18	-0.03	12	-0.09	17	-0.02
Plant food	4	0.33	4	0.14	4	0.44	4	0.13
Depth of soil mixing layer	19	0.04	23	0.01	33	0.01	34	0.00
Depth of roots	3	-0.44	3	-0.19	3	-0.53	3	-0.17
Area of contaminated zone	6	-0.14	5	-0.10	5	0.17	5	0.10
R-SQUARE		0.86		0.86		0.93		0.93

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	16	0.06	7	0.10	23	-0.03	8	-0.03
Kd of Th-230 in Unsaturated Zone 1	33	0.00	33	0.00	30	0.02	28	0.01
Kd of Th-230 in Unsaturated Zone 2	18	-0.04	16	-0.02	24	0.03	22	0.01
Kd of Th-230 in Saturated Zone	11	-0.07	13	-0.03	9	0.08	7	0.04
Kd of Th-228 in Contaminated Zone	9	-0.08	3	-0.20	28	0.02	12	0.03
Kd of Th-228 in Unsaturated Zone 1	7	-0.09	10	-0.04	19	0.05	15	0.02
Kd of Th-228 in Unsaturated Zone 2	19	0.04	19	0.02	12	0.07	9	0.03
Kd of Th-228 in Saturated Zone	8	0.09	8	0.05	18	-0.05	6	-0.08
Kd of Th-230 in Contaminated Zone	6	0.10	6	0.16	34	0.01	27	0.01
Kd of Th-230 in Unsaturated Zone 1	23	-0.02	24	-0.01	13	0.07	11	0.03
Kd of Th-230 in Unsaturated Zone 2	22	-0.03	22	-0.01	15	0.06	10	0.03
Kd of Th-230 in Saturated Zone	32	0.00	32	0.00	27	-0.02	26	-0.01
Kd of Th-228 in Unsaturated Zone 3	29	-0.01	29	0.00	14	0.06	19	0.02
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	25	0.03	29	0.01
Kd of Th-232 in Unsaturated Zone 3	31	0.01	31	0.00	6	0.10	13	0.03
Thickness of contaminated zone	2	0.72	1	0.75	1	0.87	1	1.00
Thickness of Unsaturated zone 1	5	0.11	9	0.05	16	0.06	20	0.02
Thickness of Unsaturated zone 2	17	0.05	18	0.02	8	0.08	16	0.02
Thickness of Unsaturated zone 3	21	-0.03	21	-0.01	32	-0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	27	0.00	22	0.04	25	0.01
Hydraulic Conductivity of Unsaturated zone 2	20	-0.04	20	-0.02	10	0.08	17	0.02
Hydraulic Conductivity of Unsaturated zone 3	30	0.01	30	0.00	26	0.03	30	0.01
Saturated zone hydraulic conductivity	13	-0.07	12	-0.03	31	-0.01	32	0.00
Evapotranspiration coefficient	28	0.01	28	0.00	17	0.06	21	0.01
Wind Speed	25	0.02	25	0.01	33	0.01	34	0.00
Runoff coefficient	26	0.01	26	0.00	21	-0.05	24	-0.01
Inhalation rate	10	-0.07	14	-0.03	7	-0.08	14	-0.02
Mass loading for inhalation	15	0.06	17	0.02	11	0.07	18	0.02
Outdoor time fraction	1	0.74	2	0.44	2	0.85	2	0.43
Soil ingestion	12	0.07	11	0.03	20	-0.05	23	-0.01
Plant food	3	0.42	4	0.19	4	0.48	5	0.14
Depth of soil mixing layer	14	-0.07	15	-0.03	29	-0.02	31	0.00
Depth of roots	4	-0.39	5	-0.17	3	-0.53	4	-0.17
Area of contaminated zone	24	-0.02	23	-0.01	5	0.31	3	0.19
R-SQUARE		0.85		0.85		0.93		0.93

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	11	0.07	6	0.12	26	0.02	13	0.03
Kd of Th-230 in Unsaturated Zone 1	33	0.01	33	0.00	29	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	7	-0.10	10	-0.04	21	0.04	15	0.02
Kd of Th-230 in Saturated Zone	28	-0.02	29	-0.01	27	0.02	27	0.01
Kd of Th-228 in Contaminated Zone	14	-0.05	5	-0.14	25	-0.02	7	-0.04
Kd of Th-228 in Unsaturated Zone 1	27	-0.02	28	-0.01	22	0.04	17	0.02
Kd of Th-228 in Unsaturated Zone 2	23	0.03	24	0.01	10	0.06	11	0.03
Kd of Th-228 in Saturated Zone	30	0.01	30	0.01	28	-0.02	12	-0.03
Kd of Th-230 in Contaminated Zone	10	0.07	7	0.12	19	0.04	6	0.05
Kd of Th-230 in Unsaturated Zone 1	32	0.01	32	0.00	31	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	21	0.03	21	0.02	18	-0.05	14	-0.02
Kd of Th-230 in Saturated Zone	19	-0.05	19	-0.02	32	-0.01	32	0.00
Kd of Th-228 in Unsaturated Zone 3	34	0.00	34	0.00	20	-0.04	25	-0.01
Kd of Th-230 in Unsaturated Zone 3	17	-0.05	18	-0.02	33	0.00	33	0.00
Kd of Th-232 in Unsaturated Zone 3	26	-0.02	27	-0.01	23	-0.03	26	-0.01
Thickness of contaminated zone	2	0.68	1	0.75	2	0.83	1	0.99
Thickness of Unsaturated zone 1	15	0.05	15	0.02	12	0.06	19	0.02
Thickness of Unsaturated zone 2	24	0.03	25	0.01	15	0.05	22	0.01
Thickness of Unsaturated zone 3	20	0.04	20	0.02	6	0.13	8	0.04
Hydraulic Conductivity of Unsaturated zone 1	13	-0.06	14	-0.03	34	0.00	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	31	-0.01	31	0.00	30	-0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	9	0.07	12	0.03	9	0.06	16	0.02
Saturated zone hydraulic conductivity	6	0.10	9	0.04	11	0.06	18	0.02
Evapotranspiration coefficient	16	0.05	16	0.02	16	0.05	23	0.01
Wind Speed	5	-0.11	8	-0.05	8	-0.11	10	-0.03
Runoff coefficient	18	0.05	17	0.02	14	-0.05	21	-0.02
Inhalation rate	25	-0.02	26	-0.01	24	-0.03	29	-0.01
Mass loading for inhalation	22	-0.03	22	-0.01	13	-0.05	20	-0.02
Outdoor time fraction	1	0.71	2	0.43	1	0.83	2	0.43
Soil ingestion	12	-0.06	13	-0.03	17	-0.05	24	-0.01
Plant food	4	0.38	3	0.18	4	0.48	5	0.16
Depth of soil mixing layer	8	-0.09	11	-0.04	7	-0.12	9	-0.03
Depth of roots	3	-0.38	4	-0.18	3	-0.54	4	-0.19
Area of contaminated zone	29	-0.02	23	-0.01	5	0.27	3	0.19
R-SQUARE		0.83		0.83		0.92		0.92

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	0.01	16	0.02	19	-0.03	12	-0.03
Kd of Th-230 in Unsaturated Zone 1	10	-0.07	13	-0.03	26	-0.02	22	-0.01
Kd of Th-230 in Unsaturated Zone 2	12	0.06	14	0.02	34	0.00	34	0.00
Kd of Th-230 in Saturated Zone	15	0.05	18	0.02	25	-0.02	21	-0.01
Kd of Th-228 in Contaminated Zone	24	0.01	10	0.04	22	0.03	8	0.04
Kd of Th-228 in Unsaturated Zone 1	19	0.02	21	0.02	24	-0.02	20	-0.01
Kd of Th-228 in Unsaturated Zone 2	5	-0.16	5	-0.07	9	-0.09	7	-0.04
Kd of Th-228 in Saturated Zone	34	0.00	33	0.00	17	0.03	6	0.05
Kd of Th-230 in Contaminated Zone	21	-0.02	11	-0.03	15	-0.04	9	-0.04
Kd of Th-230 in Unsaturated Zone 1	22	0.02	24	0.01	33	-0.01	33	0.00
Kd of Th-230 in Unsaturated Zone 2	33	0.01	34	0.00	14	-0.04	15	-0.02
Kd of Th-230 in Saturated Zone	8	-0.09	9	-0.04	13	-0.04	14	-0.02
Kd of Th-228 in Unsaturated Zone 3	18	-0.03	22	-0.01	10	0.07	16	0.02
Kd of Th-230 in Unsaturated Zone 3	28	0.01	28	0.00	28	-0.02	28	-0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.01	29	0.00	27	0.02	27	0.01
Thickness of contaminated zone	2	0.68	1	0.74	1	0.84	1	0.97
Thickness of Unsaturated zone 1	20	-0.02	23	-0.01	11	-0.06	17	-0.02
Thickness of Unsaturated zone 2	7	-0.10	8	-0.04	12	-0.06	18	-0.02
Thickness of Unsaturated zone 3	6	0.12	6	0.05	21	0.03	25	0.01
Hydraulic Conductivity of Unsaturated zone 1	25	0.01	26	0.01	32	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	25	0.01	30	0.02	30	0.00
Hydraulic Conductivity of Unsaturated zone 3	30	-0.01	30	0.00	20	-0.03	24	-0.01
Saturated zone hydraulic conductivity	17	0.04	20	0.02	23	-0.02	26	-0.01
Evapotranspiration coefficient	14	0.05	17	0.02	6	0.13	10	0.04
Wind Speed	32	0.01	32	0.00	29	0.02	29	0.00
Runoff coefficient	9	0.08	12	0.03	7	0.11	11	0.03
Inhalation rate	31	0.01	31	0.00	18	0.03	23	0.01
Mass loading for inhalation	13	-0.05	15	-0.02	8	-0.10	13	-0.03
Outdoor time fraction	1	0.69	2	0.41	2	0.83	2	0.41
Soil ingestion	16	0.05	19	0.02	31	0.02	31	0.00
Plant food	3	0.35	3	0.16	4	0.45	5	0.14
Depth of soil mixing layer	26	-0.01	27	-0.01	16	0.04	19	0.01
Depth of roots	4	-0.35	4	-0.16	3	-0.48	3	-0.15
Area of contaminated zone	11	-0.06	7	-0.04	5	0.23	4	0.15
R-SQUARE		0.83		0.83		0.93		0.93

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	-0.01	20	-0.01	20	0.05	8	0.06
Kd of Th-230 in Unsaturated Zone 1	25	0.02	26	0.01	19	-0.05	16	-0.02
Kd of Th-230 in Unsaturated Zone 2	20	0.02	25	0.01	23	-0.04	21	-0.02
Kd of Th-230 in Saturated Zone	18	0.03	23	0.01	10	-0.08	13	-0.04
Kd of Th-228 in Contaminated Zone	27	0.02	7	0.05	22	-0.04	7	-0.07
Kd of Th-228 in Unsaturated Zone 1	31	0.01	29	0.01	26	-0.03	25	-0.01
Kd of Th-228 in Unsaturated Zone 2	30	-0.01	32	0.00	30	-0.03	26	-0.01
Kd of Th-228 in Saturated Zone	15	0.03	16	0.02	12	0.08	5	0.12
Kd of Th-230 in Contaminated Zone	26	-0.02	10	-0.03	21	0.04	9	0.05
Kd of Th-230 in Unsaturated Zone 1	13	0.04	18	0.02	11	-0.08	12	-0.04
Kd of Th-230 in Unsaturated Zone 2	14	0.04	19	0.01	8	-0.10	10	-0.05
Kd of Th-230 in Saturated Zone	19	0.03	24	0.01	25	-0.03	24	-0.01
Kd of Th-228 in Unsaturated Zone 3	23	-0.02	14	-0.02	32	0.01	32	0.00
Kd of Th-230 in Unsaturated Zone 3	21	0.02	27	0.01	24	-0.04	27	-0.01
Kd of Th-232 in Unsaturated Zone 3	17	-0.03	22	-0.01	28	-0.03	29	-0.01
Thickness of contaminated zone	2	0.71	1	0.75	1	0.86	1	0.96
Thickness of Unsaturated zone 1	33	0.00	33	0.00	13	-0.08	17	-0.02
Thickness of Unsaturated zone 2	10	-0.07	12	-0.03	9	-0.09	15	-0.02
Thickness of Unsaturated zone 3	6	0.13	6	0.06	16	0.07	19	0.02
Hydraulic Conductivity of Unsaturated zone 1	7	0.11	8	0.05	6	0.14	11	0.04
Hydraulic Conductivity of Unsaturated zone 2	24	-0.02	28	-0.01	29	0.03	30	0.01
Hydraulic Conductivity of Unsaturated zone 3	34	0.00	34	0.00	18	-0.05	23	-0.01
Saturated zone hydraulic conductivity	16	-0.03	21	-0.01	15	-0.07	20	-0.02
Evapotranspiration coefficient	5	0.18	5	0.07	27	0.03	28	0.01
Wind Speed	12	0.04	17	0.02	33	0.01	33	0.00
Runoff coefficient	29	-0.02	31	-0.01	7	0.11	14	0.03
Inhalation rate	8	0.10	9	0.04	14	0.07	18	0.02
Mass loading for inhalation	9	-0.07	11	-0.03	34	0.00	34	0.00
Outdoor time fraction	1	0.72	2	0.44	2	0.84	2	0.41
Soil ingestion	11	0.06	13	0.03	17	0.06	22	0.02
Plant food	4	0.27	4	0.12	4	0.39	6	0.11
Depth of soil mixing layer	28	0.02	30	0.01	31	-0.02	31	-0.01
Depth of roots	3	-0.40	3	-0.18	3	-0.53	3	-0.17
Area of contaminated zone	22	-0.02	15	-0.02	5	0.23	4	0.14
R-SQUARE		0.84		0.84		0.93		0.93

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	30	0.01	19	0.02	34	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 1	8	0.13	10	0.05	23	-0.04	21	-0.02
Kd of Th-230 in Unsaturated Zone 2	23	-0.03	25	-0.01	16	-0.06	14	-0.03
Kd of Th-230 in Saturated Zone	5	0.16	7	0.06	20	0.05	18	0.02
Kd of Th-228 in Contaminated Zone	21	-0.03	6	-0.08	32	-0.01	20	-0.02
Kd of Th-228 in Unsaturated Zone 1	29	-0.02	30	-0.01	29	0.02	28	0.01
Kd of Th-228 in Unsaturated Zone 2	9	0.12	12	0.05	13	-0.07	9	-0.03
Kd of Th-228 in Saturated Zone	18	-0.04	8	-0.05	25	0.03	8	0.03
Kd of Th-230 in Contaminated Zone	26	0.02	15	0.04	31	0.01	24	0.01
Kd of Th-230 in Unsaturated Zone 1	34	0.00	34	0.00	17	0.06	16	0.02
Kd of Th-230 in Unsaturated Zone 2	25	-0.03	27	-0.01	30	-0.01	30	-0.01
Kd of Th-230 in Saturated Zone	20	0.03	11	0.05	18	-0.06	15	-0.03
Kd of Th-228 in Unsaturated Zone 3	24	-0.03	26	-0.01	8	0.11	10	0.03
Kd of Th-230 in Unsaturated Zone 3	17	-0.05	22	-0.02	22	0.04	26	0.01
Kd of Th-232 in Unsaturated Zone 3	28	0.02	29	0.01	14	-0.07	19	-0.02
Thickness of contaminated zone	1	0.71	1	0.71	1	0.86	1	0.94
Thickness of Unsaturated zone 1	31	-0.01	31	0.00	28	0.02	32	0.01
Thickness of Unsaturated zone 2	12	0.09	16	0.04	7	0.13	7	0.03
Thickness of Unsaturated zone 3	22	-0.03	24	-0.01	11	-0.10	13	-0.03
Hydraulic Conductivity of Unsaturated zone 1	32	-0.01	32	0.00	15	0.06	22	0.02
Hydraulic Conductivity of Unsaturated zone 2	7	0.14	9	0.05	27	-0.02	31	-0.01
Hydraulic Conductivity of Unsaturated zone 3	13	-0.07	17	-0.03	21	-0.04	25	-0.01
Saturated zone hydraulic conductivity	27	0.02	28	0.01	19	0.05	23	0.01
Evapotranspiration coefficient	33	0.00	33	0.00	24	0.03	27	0.01
Wind Speed	11	0.12	14	0.05	6	0.16	6	0.04
Runoff coefficient	10	0.12	13	0.05	9	0.11	11	0.03
Inhalation rate	15	0.06	20	0.02	10	-0.11	12	-0.03
Mass loading for inhalation	16	0.05	21	0.02	26	0.02	29	0.01
Outdoor time fraction	2	0.71	2	0.38	2	0.83	2	0.39
Soil ingestion	14	-0.07	18	-0.03	12	-0.09	17	-0.02
Plant food	4	0.33	4	0.14	4	0.44	4	0.13
Depth of soil mixing layer	19	0.04	23	0.01	33	0.01	34	0.00
Depth of roots	3	-0.44	3	-0.19	3	-0.54	3	-0.17
Area of contaminated zone	6	-0.14	5	-0.10	5	0.17	5	0.10
R-SQUARE		0.86		0.86		0.93		0.93

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	16	0.06	7	0.10	23	-0.03	8	-0.03
Kd of Th-230 in Unsaturated Zone 1	33	0.00	33	0.00	30	0.01	28	0.01
Kd of Th-230 in Unsaturated Zone 2	18	-0.04	16	-0.02	24	0.03	22	0.01
Kd of Th-230 in Saturated Zone	11	-0.07	13	-0.03	9	0.08	7	0.04
Kd of Th-228 in Contaminated Zone	9	-0.08	3	-0.20	28	0.02	12	0.03
Kd of Th-228 in Unsaturated Zone 1	7	-0.09	10	-0.04	19	0.05	14	0.02
Kd of Th-228 in Unsaturated Zone 2	19	0.04	19	0.02	12	0.07	9	0.03
Kd of Th-228 in Saturated Zone	8	0.09	8	0.05	18	-0.05	6	-0.08
Kd of Th-230 in Contaminated Zone	6	0.10	6	0.16	34	0.01	27	0.01
Kd of Th-230 in Unsaturated Zone 1	23	-0.02	24	-0.01	13	0.07	10	0.03
Kd of Th-230 in Unsaturated Zone 2	22	-0.03	22	-0.01	14	0.06	11	0.03
Kd of Th-230 in Saturated Zone	32	0.00	32	0.00	27	-0.02	26	-0.01
Kd of Th-228 in Unsaturated Zone 3	29	-0.01	29	0.00	15	0.06	19	0.02
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	25	0.03	29	0.01
Kd of Th-232 in Unsaturated Zone 3	31	0.01	31	0.00	6	0.10	13	0.03
Thickness of contaminated zone	2	0.72	1	0.75	1	0.87	1	1.00
Thickness of Unsaturated zone 1	5	0.11	9	0.05	16	0.06	20	0.02
Thickness of Unsaturated zone 2	17	0.05	18	0.02	8	0.08	15	0.02
Thickness of Unsaturated zone 3	21	-0.03	21	-0.01	32	-0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	27	0.00	22	0.04	25	0.01
Hydraulic Conductivity of Unsaturated zone 2	20	-0.04	20	-0.02	10	0.08	17	0.02
Hydraulic Conductivity of Unsaturated zone 3	30	0.01	30	0.00	26	0.03	30	0.01
Saturated zone hydraulic conductivity	13	-0.07	12	-0.03	31	-0.01	32	0.00
Evapotranspiration coefficient	28	0.01	28	0.00	17	0.06	21	0.02
Wind Speed	24	0.02	25	0.01	33	0.01	34	0.00
Runoff coefficient	26	0.01	26	0.00	21	-0.05	24	-0.01
Inhalation rate	10	-0.07	14	-0.03	7	-0.08	16	-0.02
Mass loading for inhalation	15	0.06	17	0.02	11	0.07	18	0.02
Outdoor time fraction	1	0.74	2	0.44	2	0.85	2	0.43
Soil ingestion	12	0.07	11	0.03	20	-0.05	23	-0.01
Plant food	3	0.42	4	0.19	4	0.48	5	0.14
Depth of soil mixing layer	14	-0.07	15	-0.03	29	-0.02	31	-0.01
Depth of roots	4	-0.39	5	-0.17	3	-0.53	4	-0.17
Area of contaminated zone	25	-0.02	23	-0.01	5	0.31	3	0.19
R-SQUARE		0.85		0.85		0.93		0.93

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

Coefficients for peak External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	6	0.09	5	0.16	22	0.03	7	0.04
Kd of Th-230 in Unsaturated Zone 1	30	-0.01	30	0.00	21	0.03	20	0.02
Kd of Th-230 in Unsaturated Zone 2	11	-0.06	11	-0.03	16	-0.04	16	-0.02
Kd of Th-230 in Saturated Zone	7	-0.08	8	-0.03	17	-0.04	17	-0.02
Kd of Th-228 in Contaminated Zone	5	-0.09	3	-0.25	19	-0.04	4	-0.07
Kd of Th-228 in Unsaturated Zone 1	9	-0.07	9	-0.03	13	0.05	11	0.02
Kd of Th-228 in Unsaturated Zone 2	18	0.05	19	0.02	15	0.04	13	0.02
Kd of Th-228 in Saturated Zone	20	0.05	20	0.02	33	0.00	30	0.01
Kd of Th-230 in Contaminated Zone	4	0.10	4	0.18	14	0.05	5	0.06
Kd of Th-230 in Unsaturated Zone 1	33	0.01	33	0.00	25	0.02	23	0.01
Kd of Th-230 in Unsaturated Zone 2	21	0.04	21	0.02	26	-0.02	22	-0.01
Kd of Th-230 in Saturated Zone	26	-0.03	26	-0.01	20	-0.03	21	-0.02
Kd of Th-228 in Unsaturated Zone 3	34	0.00	34	0.00	24	-0.03	26	-0.01
Kd of Th-230 in Unsaturated Zone 3	12	-0.06	12	-0.02	32	-0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	29	0.01	29	0.00	29	-0.02	29	-0.01
Thickness of contaminated zone	2	0.64	1	0.65	2	0.78	1	0.94
Thickness of Unsaturated zone 1	24	0.03	24	0.01	12	0.06	19	0.02
Thickness of Unsaturated zone 2	14	0.06	14	0.02	10	0.07	15	0.02
Thickness of Unsaturated zone 3	3	0.11	7	0.05	4	0.15	6	0.05
Hydraulic Conductivity of Unsaturated zone 1	28	-0.01	28	-0.01	27	-0.02	27	-0.01
Hydraulic Conductivity of Unsaturated zone 2	22	-0.04	22	-0.02	34	0.00	34	0.00
Hydraulic Conductivity of Unsaturated zone 3	10	0.06	10	0.03	7	0.07	10	0.02
Saturated zone hydraulic conductivity	19	0.05	15	0.02	31	-0.01	32	0.00
Evapotranspiration coefficient	32	0.01	32	0.00	30	-0.02	31	0.00
Wind Speed	16	-0.05	17	-0.02	8	-0.07	12	-0.02
Runoff coefficient	27	-0.02	27	-0.01	23	-0.03	25	-0.01
Inhalation rate	31	0.01	31	0.00	28	-0.02	28	-0.01
Mass loading for inhalation	17	-0.05	16	-0.02	11	-0.06	18	-0.02
Outdoor time fraction	1	0.81	2	0.59	1	0.87	2	0.58
Soil ingestion	25	0.03	25	0.01	18	-0.04	24	-0.01
Plant food	23	0.03	23	0.01	5	0.12	8	0.04
Depth of soil mixing layer	15	-0.05	18	-0.02	6	-0.10	9	-0.03
Depth of roots	13	0.06	13	0.02	9	-0.07	14	-0.02
Area of contaminated zone	8	-0.07	6	-0.06	3	0.28	3	0.23
R-SQUARE		0.83		0.83		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	9	0.08	4	0.13	21	0.02	11	0.02
Kd of Th-230 in Unsaturated Zone 1	23	-0.03	21	-0.01	34	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 2	34	0.00	34	0.00	17	0.03	14	0.02
Kd of Th-230 in Saturated Zone	8	0.09	11	0.03	27	0.01	26	0.00
Kd of Th-228 in Contaminated Zone	10	-0.07	3	-0.18	18	-0.03	4	-0.05
Kd of Th-228 in Unsaturated Zone 1	18	0.04	12	0.03	24	-0.01	24	-0.01
Kd of Th-228 in Unsaturated Zone 2	3	-0.18	7	-0.07	8	-0.08	6	-0.04
Kd of Th-228 in Saturated Zone	31	-0.01	29	0.00	32	0.01	21	0.01
Kd of Th-230 in Contaminated Zone	11	0.07	5	0.10	20	0.02	12	0.02
Kd of Th-230 in Unsaturated Zone 1	19	-0.04	19	-0.02	22	0.01	23	0.01
Kd of Th-230 in Unsaturated Zone 2	27	0.02	27	0.01	25	-0.01	25	-0.01
Kd of Th-230 in Saturated Zone	4	-0.13	8	-0.06	16	-0.03	13	-0.02
Kd of Th-228 in Unsaturated Zone 3	22	-0.03	23	-0.01	12	0.05	17	0.02
Kd of Th-230 in Unsaturated Zone 3	6	-0.11	9	-0.05	4	-0.15	5	-0.05
Kd of Th-232 in Unsaturated Zone 3	28	-0.01	28	-0.01	14	-0.04	19	-0.01
Thickness of contaminated zone	2	0.64	1	0.64	2	0.79	1	0.93
Thickness of Unsaturated zone 1	26	0.02	26	0.01	23	-0.01	27	0.00
Thickness of Unsaturated zone 2	16	-0.04	17	-0.02	9	-0.08	10	-0.02
Thickness of Unsaturated zone 3	14	0.05	15	0.02	15	0.04	20	0.01
Hydraulic Conductivity of Unsaturated zone 1	32	0.00	32	0.00	29	-0.01	30	0.00
Hydraulic Conductivity of Unsaturated zone 2	30	-0.01	31	0.00	31	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 3	20	0.03	20	0.01	33	0.00	34	0.00
Saturated zone hydraulic conductivity	17	0.04	18	0.02	26	-0.01	28	0.00
Evapotranspiration coefficient	7	0.11	10	0.04	5	0.12	7	0.04
Wind Speed	29	-0.01	30	0.00	28	0.01	29	0.00
Runoff coefficient	15	0.05	16	0.02	6	0.09	8	0.03
Inhalation rate	33	0.00	33	0.00	30	0.01	31	0.00
Mass loading for inhalation	13	-0.05	14	-0.02	10	-0.05	15	-0.02
Outdoor time fraction	1	0.82	2	0.58	1	0.88	2	0.57
Soil ingestion	21	0.03	22	0.01	19	0.03	22	0.01
Plant food	25	0.02	25	0.01	13	0.04	18	0.01
Depth of soil mixing layer	12	0.06	13	0.03	11	0.05	16	0.02
Depth of roots	24	0.03	24	0.01	7	0.08	9	0.03
Area of contaminated zone	5	-0.11	6	-0.09	3	0.28	3	0.21
R-SQUARE		0.85		0.85		0.90		0.90

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

Coefficients for peak External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	24	-0.02	8	-0.04	8	0.07	5	0.09
Kd of Th-230 in Unsaturated Zone 1	17	0.03	16	0.02	26	0.02	24	0.01
Kd of Th-230 in Unsaturated Zone 2	31	0.01	31	0.00	25	0.03	21	0.01
Kd of Th-230 in Saturated Zone	8	0.05	11	0.02	5	-0.08	8	-0.04
Kd of Th-228 in Contaminated Zone	16	0.03	3	0.09	14	-0.05	4	-0.10
Kd of Th-228 in Unsaturated Zone 1	28	0.01	20	0.01	31	0.01	28	0.00
Kd of Th-228 in Unsaturated Zone 2	10	0.04	13	0.02	19	0.04	16	0.02
Kd of Th-228 in Saturated Zone	7	0.06	10	0.03	17	0.04	6	0.07
Kd of Th-230 in Contaminated Zone	12	-0.04	4	-0.08	23	0.03	9	0.04
Kd of Th-230 in Unsaturated Zone 1	19	0.03	22	0.01	12	-0.06	10	-0.03
Kd of Th-230 in Unsaturated Zone 2	25	0.02	27	0.01	4	-0.09	7	-0.05
Kd of Th-230 in Saturated Zone	15	-0.03	18	-0.01	24	-0.03	20	-0.01
Kd of Th-228 in Unsaturated Zone 3	29	-0.01	23	-0.01	27	-0.01	27	0.00
Kd of Th-230 in Unsaturated Zone 3	9	0.05	12	0.02	7	-0.08	12	-0.02
Kd of Th-232 in Unsaturated Zone 3	21	-0.03	21	-0.01	16	-0.05	19	-0.01
Thickness of contaminated zone	2	0.64	1	0.63	2	0.80	1	0.88
Thickness of Unsaturated zone 1	30	0.01	30	0.00	34	0.00	34	0.00
Thickness of Unsaturated zone 2	14	-0.03	17	-0.01	11	-0.06	15	-0.02
Thickness of Unsaturated zone 3	4	0.12	7	0.05	6	0.08	11	0.03
Hydraulic Conductivity of Unsaturated zone 1	23	0.02	25	0.01	18	0.04	22	0.01
Hydraulic Conductivity of Unsaturated zone 2	27	-0.02	29	-0.01	22	0.03	26	0.01
Hydraulic Conductivity of Unsaturated zone 3	13	0.04	15	0.02	29	-0.01	30	0.00
Saturated zone hydraulic conductivity	20	0.03	24	0.01	30	-0.01	31	0.00
Evapotranspiration coefficient	3	0.14	6	0.06	15	0.05	18	0.01
Wind Speed	32	-0.01	32	0.00	33	0.00	33	0.00
Runoff coefficient	18	-0.03	19	-0.01	13	0.05	17	0.02
Inhalation rate	6	0.08	9	0.03	10	0.06	14	0.02
Mass loading for inhalation	22	-0.02	26	-0.01	28	0.01	29	0.00
Outdoor time fraction	1	0.82	2	0.60	1	0.88	2	0.58
Soil ingestion	26	0.02	28	0.01	32	0.01	32	0.00
Plant food	34	0.00	34	0.00	20	-0.04	23	-0.01
Depth of soil mixing layer	33	0.00	33	0.00	21	-0.03	25	-0.01
Depth of roots	11	-0.04	14	-0.02	9	0.07	13	0.02
Area of contaminated zone	5	-0.09	5	-0.07	3	0.24	3	0.16
R-SQUARE		0.84		0.84		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	34	0.00	33	0.00	31	0.01	28	0.01
Kd of Th-230 in Unsaturated Zone 1	4	0.12	5	0.05	20	-0.04	14	-0.02
Kd of Th-230 in Unsaturated Zone 2	12	-0.07	15	-0.03	26	-0.02	25	-0.01
Kd of Th-230 in Saturated Zone	3	-0.17	4	-0.07	30	-0.01	31	0.00
Kd of Th-228 in Contaminated Zone	32	0.00	24	-0.01	28	-0.01	19	-0.02
Kd of Th-228 in Unsaturated Zone 1	31	0.00	32	0.00	12	0.06	8	0.03
Kd of Th-228 in Unsaturated Zone 2	17	-0.03	20	-0.01	8	-0.09	4	-0.04
Kd of Th-228 in Saturated Zone	18	-0.03	7	-0.05	32	0.00	29	0.00
Kd of Th-230 in Contaminated Zone	23	-0.02	10	-0.04	33	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 1	19	0.03	21	0.01	22	0.04	15	0.02
Kd of Th-230 in Unsaturated Zone 2	26	0.01	27	0.01	27	0.01	30	0.00
Kd of Th-230 in Saturated Zone	21	0.03	8	0.04	13	-0.06	7	-0.03
Kd of Th-228 in Unsaturated Zone 3	9	-0.08	12	-0.03	21	0.04	23	0.01
Kd of Th-230 in Unsaturated Zone 3	33	0.00	34	0.00	29	0.01	33	0.00
Kd of Th-232 in Unsaturated Zone 3	28	-0.01	29	0.00	7	-0.09	10	-0.03
Thickness of contaminated zone	2	0.64	1	0.64	2	0.81	1	0.94
Thickness of Unsaturated zone 1	29	0.01	30	0.00	19	0.04	22	0.01
Thickness of Unsaturated zone 2	5	0.12	6	0.05	6	0.09	9	0.03
Thickness of Unsaturated zone 3	30	-0.01	31	0.00	18	-0.05	21	-0.01
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	28	0.00	23	0.04	24	0.01
Hydraulic Conductivity of Unsaturated zone 2	14	0.05	17	0.02	15	-0.06	17	-0.02
Hydraulic Conductivity of Unsaturated zone 3	22	-0.02	23	-0.01	25	-0.03	27	-0.01
Saturated zone hydraulic conductivity	13	0.06	16	0.02	16	0.06	18	0.02
Evapotranspiration coefficient	15	0.04	18	0.01	24	0.03	26	0.01
Wind Speed	8	0.09	11	0.03	11	0.07	13	0.02
Runoff coefficient	11	0.07	14	0.03	4	0.12	5	0.04
Inhalation rate	25	0.01	26	0.01	14	-0.06	16	-0.02
Mass loading for inhalation	24	-0.02	25	-0.01	34	0.00	34	0.00
Outdoor time fraction	1	0.81	2	0.57	1	0.87	2	0.55
Soil ingestion	16	-0.03	19	-0.01	10	-0.08	12	-0.02
Plant food	7	-0.09	9	-0.04	5	-0.11	6	-0.03
Depth of soil mixing layer	10	0.08	13	0.03	17	0.05	20	0.02
Depth of roots	20	0.03	22	0.01	9	0.09	11	0.03
Area of contaminated zone	6	-0.12	3	-0.09	3	0.27	3	0.19
R-SQUARE		0.84		0.84		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	7	0.07	5	0.13	15	-0.05	5	-0.05
Kd of Th-230 in Unsaturated Zone 1	30	0.00	30	0.00	23	-0.03	19	-0.02
Kd of Th-230 in Unsaturated Zone 2	29	-0.01	28	0.00	29	0.01	30	0.00
Kd of Th-230 in Saturated Zone	6	-0.09	7	-0.04	12	0.05	8	0.03
Kd of Th-228 in Contaminated Zone	3	-0.10	3	-0.25	19	0.04	4	0.06
Kd of Th-228 in Unsaturated Zone 1	12	-0.05	12	-0.02	26	0.02	24	0.01
Kd of Th-228 in Unsaturated Zone 2	9	0.07	8	0.03	13	0.05	7	0.03
Kd of Th-228 in Saturated Zone	18	0.04	13	0.02	32	0.00	29	0.00
Kd of Th-230 in Contaminated Zone	5	0.09	4	0.16	25	-0.02	10	-0.02
Kd of Th-230 in Unsaturated Zone 1	14	0.04	15	0.02	24	-0.02	22	-0.01
Kd of Th-230 in Unsaturated Zone 2	33	0.00	33	0.00	18	0.04	13	0.02
Kd of Th-230 in Saturated Zone	25	0.02	25	0.01	9	-0.05	6	-0.03
Kd of Th-228 in Unsaturated Zone 3	26	0.02	26	0.01	8	0.05	15	0.02
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	31	0.01	32	0.00
Kd of Th-232 in Unsaturated Zone 3	32	0.00	32	0.00	7	0.06	14	0.02
Thickness of contaminated zone	2	0.64	1	0.63	2	0.82	1	0.94
Thickness of Unsaturated zone 1	10	0.06	10	0.03	21	0.03	25	0.01
Thickness of Unsaturated zone 2	27	0.01	27	0.00	11	0.05	18	0.02
Thickness of Unsaturated zone 3	21	-0.02	22	-0.01	17	-0.04	21	-0.01
Hydraulic Conductivity of Unsaturated zone 1	31	0.00	31	0.00	20	0.03	23	0.01
Hydraulic Conductivity of Unsaturated zone 2	17	0.04	17	0.02	14	0.05	17	0.02
Hydraulic Conductivity of Unsaturated zone 3	23	-0.02	23	-0.01	33	0.00	33	0.00
Saturated zone hydraulic conductivity	22	-0.02	21	-0.01	22	-0.03	26	-0.01
Evapotranspiration coefficient	16	-0.04	18	-0.02	16	-0.04	20	-0.01
Wind Speed	8	0.07	9	0.03	6	0.07	12	0.02
Runoff coefficient	15	-0.04	16	-0.02	4	-0.08	9	-0.03
Inhalation rate	20	-0.03	20	-0.01	34	0.00	34	0.00
Mass loading for inhalation	13	0.05	14	0.02	5	0.07	11	0.02
Outdoor time fraction	1	0.82	2	0.59	1	0.88	2	0.57
Soil ingestion	24	-0.02	24	-0.01	10	-0.05	16	-0.02
Plant food	11	0.05	11	0.02	27	0.02	27	0.01
Depth of soil mixing layer	19	-0.03	19	-0.01	30	0.01	31	0.00
Depth of roots	28	0.01	29	0.00	28	-0.02	28	-0.01
Area of contaminated zone	4	-0.10	6	-0.07	3	0.31	3	0.21
R-SQUARE		0.84		0.84		0.91		0.91

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	0.03	9	0.09	15	-0.06	8	-0.07
Kd of Th-230 in Unsaturated Zone 1	20	-0.04	23	-0.03	23	-0.03	22	-0.01
Kd of Th-230 in Unsaturated Zone 2	29	-0.01	31	-0.01	22	-0.03	21	-0.01
Kd of Th-230 in Saturated Zone	12	-0.07	14	-0.05	11	-0.08	13	-0.04
Kd of Th-228 in Contaminated Zone	23	-0.02	7	-0.10	18	0.04	9	0.07
Kd of Th-228 in Unsaturated Zone 1	9	0.09	11	0.06	30	0.01	30	0.01
Kd of Th-228 in Unsaturated Zone 2	27	-0.02	29	-0.01	19	-0.03	19	-0.02
Kd of Th-228 in Saturated Zone	13	0.07	13	0.05	20	0.03	10	0.05
Kd of Th-230 in Contaminated Zone	31	0.01	20	0.03	21	-0.03	14	-0.03
Kd of Th-230 in Unsaturated Zone 1	17	-0.05	18	-0.03	24	0.03	23	0.01
Kd of Th-230 in Unsaturated Zone 2	15	-0.06	17	-0.04	31	0.01	31	0.00
Kd of Th-230 in Saturated Zone	28	-0.02	30	-0.01	29	0.01	28	0.01
Kd of Th-228 in Unsaturated Zone 3	16	0.05	19	0.03	16	-0.05	20	-0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	12	-0.08	16	-0.02
Kd of Th-232 in Unsaturated Zone 3	7	0.14	8	0.10	32	0.01	32	0.00
Thickness of contaminated zone	5	0.29	2	0.38	4	0.68	1	0.63
Thickness of Unsaturated zone 1	14	-0.07	16	-0.05	33	0.00	33	0.00
Thickness of Unsaturated zone 2	32	0.01	32	0.01	25	-0.02	25	-0.01
Thickness of Unsaturated zone 3	24	-0.02	25	-0.02	8	0.14	12	0.04
Hydraulic Conductivity of Unsaturated zone 1	26	-0.02	28	-0.01	27	-0.02	27	-0.01
Hydraulic Conductivity of Unsaturated zone 2	11	-0.07	15	-0.05	28	0.02	29	0.01
Hydraulic Conductivity of Unsaturated zone 3	33	0.00	33	0.00	7	0.14	11	0.04
Saturated zone hydraulic conductivity	19	-0.04	22	-0.03	14	0.07	18	0.02
Evapotranspiration coefficient	22	0.03	24	0.02	17	-0.04	24	-0.01
Wind Speed	6	-0.26	6	-0.18	5	-0.65	5	-0.25
Runoff coefficient	10	-0.08	12	-0.05	26	-0.02	26	-0.01
Inhalation rate	3	0.32	4	0.23	6	0.54	6	0.19
Mass loading for inhalation	4	0.30	5	0.21	3	0.71	4	0.30
Outdoor time fraction	2	0.40	3	0.29	2	0.79	3	0.38
Soil ingestion	18	0.05	21	0.03	34	0.00	34	0.00
Plant food	34	0.00	34	0.00	10	0.08	15	0.02
Depth of soil mixing layer	1	-0.56	1	-0.45	1	-0.85	2	-0.48
Depth of roots	8	-0.10	10	-0.07	13	-0.07	17	-0.02
Area of contaminated zone	30	-0.01	26	-0.02	9	0.10	7	0.07
R-SQUARE		0.57		0.57		0.91		0.91

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	19	-0.04	8	-0.11	30	0.03	12	0.03
Kd of Th-230 in Unsaturated Zone 1	10	-0.08	13	-0.06	25	0.03	23	0.02
Kd of Th-230 in Unsaturated Zone 2	14	0.06	19	0.04	18	0.05	16	0.03
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	31	0.03	27	0.02
Kd of Th-228 in Contaminated Zone	25	0.02	10	0.09	21	-0.04	9	-0.07
Kd of Th-228 in Unsaturated Zone 1	27	-0.02	25	-0.02	23	0.04	22	0.02
Kd of Th-228 in Unsaturated Zone 2	8	-0.14	11	-0.09	28	-0.03	25	-0.02
Kd of Th-228 in Saturated Zone	17	0.05	14	0.06	22	-0.04	8	-0.07
Kd of Th-230 in Contaminated Zone	23	-0.04	9	-0.09	26	0.03	10	0.04
Kd of Th-230 in Unsaturated Zone 1	21	-0.04	23	-0.03	20	0.04	19	0.02
Kd of Th-230 in Unsaturated Zone 2	15	-0.06	20	-0.04	16	0.05	15	0.03
Kd of Th-230 in Saturated Zone	18	-0.05	22	-0.03	33	0.01	33	0.01
Kd of Th-228 in Unsaturated Zone 3	22	-0.04	24	-0.02	29	-0.03	31	-0.01
Kd of Th-230 in Unsaturated Zone 3	32	-0.01	32	0.00	17	-0.05	26	-0.02
Kd of Th-232 in Unsaturated Zone 3	31	0.01	31	0.01	15	-0.06	24	-0.02
Thickness of contaminated zone	4	0.29	2	0.38	4	0.68	1	0.68
Thickness of Unsaturated zone 1	6	0.22	6	0.14	32	-0.03	32	-0.01
Thickness of Unsaturated zone 2	30	0.01	30	0.01	19	-0.04	28	-0.01
Thickness of Unsaturated zone 3	13	-0.07	18	-0.04	14	-0.07	21	-0.02
Hydraulic Conductivity of Unsaturated zone 1	26	0.02	27	0.01	11	-0.08	17	-0.03
Hydraulic Conductivity of Unsaturated zone 2	11	-0.08	16	-0.05	10	-0.09	14	-0.03
Hydraulic Conductivity of Unsaturated zone 3	12	0.07	17	0.05	8	0.11	11	0.03
Saturated zone hydraulic conductivity	29	-0.01	29	-0.01	9	-0.10	13	-0.03
Evapotranspiration coefficient	33	0.00	33	0.00	24	0.03	29	0.01
Wind Speed	5	-0.29	5	-0.19	5	-0.60	5	-0.24
Runoff coefficient	9	-0.10	12	-0.07	12	0.08	18	0.02
Inhalation rate	7	0.20	7	0.13	6	0.46	6	0.17
Mass loading for inhalation	2	0.43	3	0.31	3	0.71	4	0.32
Outdoor time fraction	3	0.35	4	0.24	2	0.76	3	0.37
Soil ingestion	28	-0.02	28	-0.01	13	0.07	20	0.02
Plant food	16	-0.05	21	-0.03	34	0.00	34	0.00
Depth of soil mixing layer	1	-0.57	1	-0.44	1	-0.82	2	-0.46
Depth of roots	24	-0.03	26	-0.02	27	0.03	30	0.01
Area of contaminated zone	20	-0.04	15	-0.05	7	0.16	7	0.12
R-SQUARE		0.61		0.61		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 Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	9	-0.07	6	-0.19	30	-0.02	14	-0.03
Kd of Th-230 in Unsaturated Zone 1	34	0.01	34	0.01	23	-0.04	19	-0.02
Kd of Th-230 in Unsaturated Zone 2	19	-0.04	21	-0.02	8	-0.11	9	-0.07
Kd of Th-230 in Saturated Zone	18	0.04	20	0.02	13	-0.08	11	-0.04
Kd of Th-228 in Contaminated Zone	15	0.06	5	0.24	34	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 1	22	-0.03	12	-0.05	26	-0.03	24	-0.02
Kd of Th-228 in Unsaturated Zone 2	24	-0.03	26	-0.02	29	-0.02	28	-0.01
Kd of Th-228 in Saturated Zone	29	-0.02	30	-0.02	10	0.10	6	0.18
Kd of Th-230 in Contaminated Zone	14	-0.06	7	-0.16	31	-0.01	31	-0.01
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	33	-0.01	15	-0.07	12	-0.04
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	19	-0.03	7	-0.12	8	-0.07
Kd of Th-230 in Saturated Zone	32	0.02	32	0.01	9	-0.10	10	-0.06
Kd of Th-228 in Unsaturated Zone 3	28	0.02	18	0.03	25	-0.04	27	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.03	28	-0.02	14	-0.07	17	-0.03
Kd of Th-232 in Unsaturated Zone 3	8	0.08	11	0.06	24	0.04	26	0.01
Thickness of contaminated zone	4	0.33	2	0.42	4	0.62	1	0.60
Thickness of Unsaturated zone 1	13	-0.06	16	-0.04	18	-0.06	21	-0.02
Thickness of Unsaturated zone 2	11	0.06	14	0.04	11	-0.09	15	-0.03
Thickness of Unsaturated zone 3	12	0.06	15	0.04	27	0.03	29	0.01
Hydraulic Conductivity of Unsaturated zone 1	10	-0.06	13	-0.04	32	0.00	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	23	0.03	25	0.02	20	-0.06	23	-0.02
Hydraulic Conductivity of Unsaturated zone 3	21	-0.03	24	-0.02	33	0.00	34	0.00
Saturated zone hydraulic conductivity	7	0.10	10	0.07	19	-0.06	22	-0.02
Evapotranspiration coefficient	25	0.03	27	0.02	12	0.08	16	0.03
Wind Speed	5	-0.24	8	-0.16	5	-0.55	5	-0.23
Runoff coefficient	16	-0.05	17	-0.03	17	-0.07	20	-0.02
Inhalation rate	6	0.23	9	0.15	6	0.44	7	0.17
Mass loading for inhalation	2	0.46	3	0.34	3	0.66	4	0.31
Outdoor time fraction	3	0.37	4	0.26	2	0.74	3	0.38
Soil ingestion	20	-0.04	22	-0.02	21	0.05	25	0.02
Plant food	31	-0.02	31	-0.01	28	0.02	30	0.01
Depth of soil mixing layer	1	-0.57	1	-0.45	1	-0.79	2	-0.46
Depth of roots	27	0.03	29	0.02	16	0.07	18	0.02
Area of contaminated zone	30	0.02	23	0.02	22	0.04	13	0.03
R-SQUARE		0.60		0.60		0.88		0.88

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	31	0.00	26	0.01	20	-0.05	11	-0.07
Kd of Th-230 in Unsaturated Zone 1	32	0.00	32	0.00	10	-0.09	13	-0.05
Kd of Th-230 in Unsaturated Zone 2	16	-0.04	18	-0.03	14	-0.07	15	-0.04
Kd of Th-230 in Saturated Zone	20	-0.02	23	-0.02	21	-0.05	17	-0.03
Kd of Th-228 in Contaminated Zone	29	0.01	21	0.03	18	0.06	7	0.12
Kd of Th-228 in Unsaturated Zone 1	11	-0.05	12	-0.04	22	-0.05	19	-0.03
Kd of Th-228 in Unsaturated Zone 2	23	0.02	25	0.01	11	-0.07	14	-0.04
Kd of Th-228 in Saturated Zone	21	0.02	10	0.06	17	0.06	8	0.11
Kd of Th-230 in Contaminated Zone	26	-0.01	20	-0.03	16	-0.06	10	-0.09
Kd of Th-230 in Unsaturated Zone 1	18	-0.02	22	-0.02	26	0.04	22	0.02
Kd of Th-230 in Unsaturated Zone 2	13	-0.04	15	-0.03	33	0.01	31	0.01
Kd of Th-230 in Saturated Zone	19	-0.02	8	-0.06	8	-0.10	12	-0.06
Kd of Th-228 in Unsaturated Zone 3	17	0.04	19	0.03	28	0.03	28	0.01
Kd of Th-230 in Unsaturated Zone 3	22	0.02	24	0.02	27	0.03	27	0.01
Kd of Th-232 in Unsaturated Zone 3	25	-0.01	28	-0.01	30	-0.02	30	-0.01
Thickness of contaminated zone	4	0.25	2	0.35	2	0.66	1	0.71
Thickness of Unsaturated zone 1	8	0.08	9	0.06	23	0.04	24	0.01
Thickness of Unsaturated zone 2	33	0.00	33	0.00	19	-0.05	23	-0.02
Thickness of Unsaturated zone 3	7	0.09	7	0.07	15	-0.06	21	-0.02
Hydraulic Conductivity of Unsaturated zone 1	15	0.04	17	0.03	24	0.04	25	0.01
Hydraulic Conductivity of Unsaturated zone 2	34	0.00	34	0.00	29	-0.03	29	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	0.05	13	0.04	34	0.00	34	0.00
Saturated zone hydraulic conductivity	9	0.06	11	0.05	31	-0.02	32	-0.01
Evapotranspiration coefficient	12	-0.05	14	-0.04	12	-0.07	18	-0.03
Wind Speed	5	-0.22	5	-0.17	5	-0.53	5	-0.23
Runoff coefficient	27	0.01	30	0.01	25	0.04	26	0.01
Inhalation rate	6	0.20	6	0.15	6	0.42	6	0.17
Mass loading for inhalation	3	0.29	4	0.23	3	0.66	3	0.32
Outdoor time fraction	2	0.29	3	0.23	4	0.66	4	0.32
Soil ingestion	28	0.01	31	0.00	9	-0.09	16	-0.03
Plant food	24	-0.01	27	-0.01	13	-0.07	20	-0.03
Depth of soil mixing layer	1	-0.47	1	-0.41	1	-0.79	2	-0.47
Depth of roots	14	0.04	16	0.03	32	-0.02	33	-0.01
Area of contaminated zone	30	0.00	29	-0.01	7	0.13	9	0.10
R-SQUARE		0.46		0.46		0.87		0.87

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

Coefficients for peak Inhalation particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	-0.02	9	-0.07	30	0.01	28	0.01
Kd of Th-230 in Unsaturated Zone 1	16	0.03	18	0.02	15	-0.05	11	-0.03
Kd of Th-230 in Unsaturated Zone 2	19	0.02	17	0.03	22	0.03	21	0.02
Kd of Th-230 in Saturated Zone	17	-0.02	20	-0.02	24	-0.02	24	-0.01
Kd of Th-228 in Contaminated Zone	34	0.00	28	0.01	27	-0.02	9	-0.04
Kd of Th-228 in Unsaturated Zone 1	22	-0.02	22	-0.01	28	0.02	30	0.01
Kd of Th-228 in Unsaturated Zone 2	13	-0.04	14	-0.04	26	0.02	26	0.01
Kd of Th-228 in Saturated Zone	18	0.02	15	0.03	29	-0.02	10	-0.03
Kd of Th-230 in Contaminated Zone	31	0.00	23	0.01	25	0.02	13	0.03
Kd of Th-230 in Unsaturated Zone 1	11	0.06	13	0.05	33	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 2	23	-0.02	24	-0.01	11	0.08	8	0.05
Kd of Th-230 in Saturated Zone	15	-0.03	19	-0.02	23	-0.03	22	-0.01
Kd of Th-228 in Unsaturated Zone 3	28	-0.01	30	-0.01	21	0.03	29	0.01
Kd of Th-230 in Unsaturated Zone 3	20	0.02	21	0.02	20	-0.03	27	-0.01
Kd of Th-232 in Unsaturated Zone 3	32	0.00	33	0.00	18	0.04	23	0.01
Thickness of contaminated zone	7	0.12	3	0.19	4	0.70	1	0.70
Thickness of Unsaturated zone 1	14	-0.03	16	-0.03	10	0.08	15	0.03
Thickness of Unsaturated zone 2	10	-0.06	12	-0.05	14	0.05	18	0.02
Thickness of Unsaturated zone 3	25	0.01	26	0.01	31	-0.01	31	0.00
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	29	0.01	19	-0.04	25	-0.01
Hydraulic Conductivity of Unsaturated zone 2	24	-0.01	25	-0.01	34	0.00	34	0.00
Hydraulic Conductivity of Unsaturated zone 3	8	0.10	8	0.08	16	0.05	19	0.02
Saturated zone hydraulic conductivity	26	-0.01	27	-0.01	12	-0.07	16	-0.02
Evapotranspiration coefficient	5	-0.13	6	-0.11	9	-0.08	14	-0.03
Wind Speed	4	-0.19	5	-0.16	5	-0.59	5	-0.24
Runoff coefficient	30	-0.01	32	-0.01	32	0.01	32	0.00
Inhalation rate	6	0.13	7	0.11	6	0.44	6	0.16
Mass loading for inhalation	3	0.20	4	0.17	3	0.72	4	0.35
Outdoor time fraction	2	0.27	2	0.23	2	0.76	3	0.39
Soil ingestion	9	-0.07	11	-0.06	8	0.09	12	0.03
Plant food	29	0.01	31	0.01	17	0.05	20	0.02
Depth of soil mixing layer	1	-0.40	1	-0.36	1	-0.81	2	-0.45
Depth of roots	33	0.00	34	0.00	13	-0.06	17	-0.02
Area of contaminated zone	12	-0.04	10	-0.06	7	0.18	7	0.13
R-SQUARE		0.33		0.33		0.89		0.89

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	0.01	17	0.03	30	-0.01	27	-0.01
Kd of Th-230 in Unsaturated Zone 1	24	0.02	26	0.01	14	-0.04	13	-0.02
Kd of Th-230 in Unsaturated Zone 2	9	-0.09	11	-0.05	8	0.08	6	0.04
Kd of Th-230 in Saturated Zone	14	0.05	16	0.03	34	0.00	34	0.00
Kd of Th-228 in Contaminated Zone	25	0.02	7	0.06	25	0.02	8	0.03
Kd of Th-228 in Unsaturated Zone 1	19	0.04	21	0.02	33	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	30	-0.01	17	0.04	14	0.02
Kd of Th-228 in Saturated Zone	22	-0.03	24	-0.02	31	0.01	28	0.01
Kd of Th-230 in Contaminated Zone	34	0.00	29	-0.01	28	-0.01	18	-0.01
Kd of Th-230 in Unsaturated Zone 1	33	0.00	34	0.00	15	-0.04	12	-0.02
Kd of Th-230 in Unsaturated Zone 2	31	0.01	32	0.00	10	-0.06	9	-0.03
Kd of Th-230 in Saturated Zone	17	-0.04	19	-0.03	23	-0.02	26	-0.01
Kd of Th-228 in Unsaturated Zone 3	32	0.00	33	0.00	13	-0.05	16	-0.02
Kd of Th-230 in Unsaturated Zone 3	27	-0.01	28	-0.01	20	0.03	23	0.01
Kd of Th-232 in Unsaturated Zone 3	20	-0.04	22	-0.02	32	0.00	32	0.00
Thickness of contaminated zone	3	0.48	1	0.63	3	0.69	1	0.71
Thickness of Unsaturated zone 1	16	0.05	18	0.03	29	-0.01	31	0.00
Thickness of Unsaturated zone 2	26	-0.02	27	-0.01	18	-0.04	21	-0.01
Thickness of Unsaturated zone 3	13	-0.06	15	-0.04	9	0.07	11	0.02
Hydraulic Conductivity of Unsaturated zone 1	10	-0.08	12	-0.05	22	-0.03	25	-0.01
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	25	0.01	5	-0.13	5	-0.04
Hydraulic Conductivity of Unsaturated zone 3	18	0.04	20	0.03	7	-0.10	10	-0.03
Saturated zone hydraulic conductivity	6	0.10	6	0.06	19	-0.03	22	-0.01
Evapotranspiration coefficient	11	0.07	13	0.04	4	0.16	4	0.05
Wind Speed	5	-0.11	5	-0.07	27	-0.01	30	0.00
Runoff coefficient	7	0.09	8	0.06	26	0.01	29	0.00
Inhalation rate	21	-0.04	23	-0.02	16	0.04	19	0.01
Mass loading for inhalation	30	0.01	31	0.00	21	-0.03	24	-0.01
Outdoor time fraction	8	0.09	9	0.06	11	-0.06	15	-0.02
Soil ingestion	4	-0.12	4	-0.08	12	-0.05	17	-0.02
Plant food	2	0.49	3	0.35	2	0.77	3	0.38
Depth of soil mixing layer	12	-0.07	14	-0.04	6	-0.11	7	-0.04
Depth of roots	1	-0.55	2	-0.40	1	-0.84	2	-0.48
Area of contaminated zone	15	0.05	10	0.06	24	-0.02	20	-0.01
R-SQUARE		0.65		0.65		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 Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	14	-0.06	6	-0.15	18	0.04	7	0.04
Kd of Th-230 in Unsaturated Zone 1	11	-0.06	11	-0.05	14	-0.05	15	-0.02
Kd of Th-230 in Unsaturated Zone 2	9	0.07	10	0.05	6	-0.12	6	-0.05
Kd of Th-230 in Saturated Zone	26	-0.02	26	-0.01	17	-0.05	16	-0.02
Kd of Th-228 in Contaminated Zone	8	0.09	3	0.34	16	-0.05	5	-0.07
Kd of Th-228 in Unsaturated Zone 1	31	0.00	30	0.00	27	-0.01	25	-0.01
Kd of Th-228 in Unsaturated Zone 2	15	-0.06	15	-0.04	12	-0.07	11	-0.03
Kd of Th-228 in Saturated Zone	32	0.00	32	0.00	13	0.06	4	0.08
Kd of Th-230 in Contaminated Zone	7	-0.09	5	-0.22	24	0.03	14	0.02
Kd of Th-230 in Unsaturated Zone 1	13	0.06	13	0.04	32	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	31	0.00	34	0.00	34	0.00
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	19	-0.04	20	-0.02
Kd of Th-228 in Unsaturated Zone 3	28	-0.01	28	-0.01	10	0.08	17	0.02
Kd of Th-230 in Unsaturated Zone 3	5	0.12	8	0.08	33	0.00	33	0.00
Kd of Th-232 in Unsaturated Zone 3	33	0.00	33	0.00	9	-0.10	13	-0.03
Thickness of contaminated zone	3	0.44	1	0.60	3	0.80	1	0.75
Thickness of Unsaturated zone 1	16	-0.05	17	-0.03	7	-0.12	10	-0.03
Thickness of Unsaturated zone 2	6	-0.09	9	-0.06	20	-0.04	22	-0.01
Thickness of Unsaturated zone 3	4	0.12	7	0.08	22	-0.03	23	-0.01
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	27	0.01	28	0.01	28	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	0.03	21	0.02	15	-0.05	21	-0.01
Hydraulic Conductivity of Unsaturated zone 3	17	-0.04	18	-0.03	30	-0.01	30	0.00
Saturated zone hydraulic conductivity	23	0.02	23	0.01	31	0.00	31	0.00
Evapotranspiration coefficient	18	-0.03	19	-0.02	4	0.16	8	0.04
Wind Speed	24	0.02	24	0.01	23	0.03	24	0.01
Runoff coefficient	12	0.06	14	0.04	5	0.13	9	0.03
Inhalation rate	29	0.01	29	0.01	11	-0.07	19	-0.02
Mass loading for inhalation	22	-0.02	22	-0.02	25	-0.02	26	-0.01
Outdoor time fraction	25	-0.02	25	-0.01	29	-0.01	29	0.00
Soil ingestion	19	0.03	20	0.02	8	0.11	12	0.03
Plant food	2	0.44	4	0.32	2	0.83	3	0.38
Depth of soil mixing layer	10	-0.07	12	-0.04	26	0.02	27	0.00
Depth of roots	1	-0.47	2	-0.34	1	-0.88	2	-0.47
Area of contaminated zone	21	0.03	16	0.04	21	-0.03	18	-0.02
R-SQUARE		0.61		0.61		0.94		0.94

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	0.01	18	0.04	27	-0.02	17	-0.02
Kd of Th-230 in Unsaturated Zone 1	33	-0.01	33	0.00	9	-0.11	7	-0.05
Kd of Th-230 in Unsaturated Zone 2	20	0.03	24	0.02	13	-0.07	11	-0.03
Kd of Th-230 in Saturated Zone	26	-0.02	28	-0.01	11	-0.09	9	-0.04
Kd of Th-228 in Contaminated Zone	32	-0.01	15	-0.04	32	0.01	26	0.01
Kd of Th-228 in Unsaturated Zone 1	34	0.00	34	0.00	15	-0.07	16	-0.03
Kd of Th-228 in Unsaturated Zone 2	15	-0.07	17	-0.04	24	-0.05	18	-0.02
Kd of Th-228 in Saturated Zone	30	-0.01	31	-0.01	7	0.12	4	0.16
Kd of Th-230 in Contaminated Zone	22	0.02	7	0.06	29	0.02	22	0.02
Kd of Th-230 in Unsaturated Zone 1	19	0.03	22	0.02	10	-0.10	8	-0.04
Kd of Th-230 in Unsaturated Zone 2	17	0.03	21	0.02	16	-0.07	14	-0.03
Kd of Th-230 in Saturated Zone	8	0.08	10	0.05	12	-0.08	10	-0.04
Kd of Th-228 in Unsaturated Zone 3	21	-0.02	20	-0.03	23	0.05	27	0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	26	0.03	29	0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.01	30	-0.01	14	0.07	19	0.02
Thickness of contaminated zone	2	0.53	1	0.68	3	0.78	1	0.72
Thickness of Unsaturated zone 1	24	-0.02	26	-0.01	4	-0.21	5	-0.06
Thickness of Unsaturated zone 2	9	-0.08	11	-0.05	33	0.00	33	0.00
Thickness of Unsaturated zone 3	10	0.08	12	0.04	17	-0.07	20	-0.02
Hydraulic Conductivity of Unsaturated zone 1	4	0.15	4	0.09	8	0.11	15	0.03
Hydraulic Conductivity of Unsaturated zone 2	27	-0.02	29	-0.01	31	0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 3	16	-0.05	19	-0.03	20	-0.06	24	-0.02
Saturated zone hydraulic conductivity	7	-0.08	9	-0.05	6	-0.12	12	-0.03
Evapotranspiration coefficient	5	0.12	6	0.07	28	0.02	30	0.00
Wind Speed	12	0.07	14	0.04	19	0.06	23	0.02
Runoff coefficient	31	0.01	32	0.01	5	0.20	6	0.06
Inhalation rate	13	0.07	16	0.04	18	0.07	21	0.02
Mass loading for inhalation	6	-0.09	8	-0.06	30	0.01	31	0.00
Outdoor time fraction	23	-0.02	25	-0.01	34	0.00	34	0.00
Soil ingestion	11	0.07	13	0.04	25	0.04	28	0.01
Plant food	3	0.42	3	0.28	2	0.79	3	0.35
Depth of soil mixing layer	18	0.03	23	0.02	21	0.06	25	0.02
Depth of roots	1	-0.54	2	-0.39	1	-0.87	2	-0.47
Area of contaminated zone	14	0.07	5	0.07	22	-0.05	13	-0.03
R-SQUARE		0.66		0.66		0.93		0.93

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	0.02	12	0.05	19	0.05	6	0.06
Kd of Th-230 in Unsaturated Zone 1	16	0.05	20	0.03	33	-0.01	30	-0.01
Kd of Th-230 in Unsaturated Zone 2	29	0.02	32	0.01	15	0.06	13	0.03
Kd of Th-230 in Saturated Zone	4	0.35	4	0.22	21	-0.04	19	-0.02
Kd of Th-228 in Contaminated Zone	19	-0.04	5	-0.15	10	-0.08	4	-0.13
Kd of Th-228 in Unsaturated Zone 1	28	-0.02	30	-0.01	17	0.06	15	0.02
Kd of Th-228 in Unsaturated Zone 2	5	0.19	7	0.11	23	0.03	22	0.01
Kd of Th-228 in Saturated Zone	30	-0.02	13	-0.04	27	-0.02	12	-0.03
Kd of Th-230 in Contaminated Zone	15	0.05	6	0.12	14	0.07	5	0.08
Kd of Th-230 in Unsaturated Zone 1	24	-0.03	27	-0.02	25	0.02	24	0.01
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	21	-0.03	32	0.01	29	0.01
Kd of Th-230 in Saturated Zone	31	0.02	14	0.04	28	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 3	22	0.04	25	0.02	22	0.03	25	0.01
Kd of Th-230 in Unsaturated Zone 3	14	-0.06	19	-0.03	8	0.10	14	0.03
Kd of Th-232 in Unsaturated Zone 3	23	0.03	26	0.02	18	-0.06	21	-0.02
Thickness of contaminated zone	3	0.43	1	0.52	3	0.75	1	0.70
Thickness of Unsaturated zone 1	27	-0.02	31	-0.01	31	0.02	33	0.00
Thickness of Unsaturated zone 2	34	0.00	34	0.00	5	0.12	9	0.03
Thickness of Unsaturated zone 3	20	-0.04	23	-0.02	29	-0.02	31	-0.01
Hydraulic Conductivity of Unsaturated zone 1	26	-0.02	29	-0.01	30	-0.02	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	0.13	8	0.07	24	-0.03	27	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	-0.07	16	-0.04	34	0.01	34	0.00
Saturated zone hydraulic conductivity	25	-0.03	28	-0.02	7	-0.11	11	-0.03
Evapotranspiration coefficient	21	-0.04	24	-0.02	6	0.11	10	0.03
Wind Speed	9	0.07	15	0.04	12	0.07	17	0.02
Runoff coefficient	7	0.09	10	0.05	4	0.14	8	0.04
Inhalation rate	12	0.06	18	0.03	13	-0.07	18	-0.02
Mass loading for inhalation	8	0.08	11	0.05	20	-0.05	23	-0.01
Outdoor time fraction	18	-0.04	22	-0.03	26	0.02	28	0.01
Soil ingestion	13	-0.06	17	-0.03	9	0.08	16	0.02
Plant food	2	0.46	3	0.31	2	0.82	3	0.40
Depth of soil mixing layer	33	-0.02	33	-0.01	16	0.06	20	0.02
Depth of roots	1	-0.54	2	-0.37	1	-0.86	2	-0.47
Area of contaminated zone	11	-0.06	9	-0.07	11	-0.07	7	-0.05
R-SQUARE		0.68		0.68		0.92		0.92

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	33	0.01	26	0.02	22	0.04	8	0.04
Kd of Th-230 in Unsaturated Zone 1	31	-0.01	32	-0.01	32	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	18	-0.05	13	-0.04	20	0.05	16	0.02
Kd of Th-230 in Saturated Zone	28	-0.01	31	-0.01	24	0.03	21	0.02
Kd of Th-228 in Contaminated Zone	30	-0.01	10	-0.05	12	-0.07	4	-0.11
Kd of Th-228 in Unsaturated Zone 1	10	-0.07	12	-0.04	30	0.02	28	0.01
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	30	-0.01	17	0.05	13	0.03
Kd of Th-228 in Saturated Zone	7	0.08	7	0.06	19	-0.05	5	-0.08
Kd of Th-230 in Contaminated Zone	21	0.04	4	0.10	15	0.06	6	0.07
Kd of Th-230 in Unsaturated Zone 1	12	-0.06	15	-0.04	5	0.11	7	0.05
Kd of Th-230 in Unsaturated Zone 2	20	-0.04	22	-0.02	25	0.03	23	0.02
Kd of Th-230 in Saturated Zone	25	-0.02	27	-0.01	29	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 3	24	-0.03	25	-0.02	27	-0.03	29	-0.01
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	26	-0.03	27	-0.01
Kd of Th-232 in Unsaturated Zone 3	32	0.01	33	0.00	7	0.10	11	0.03
Thickness of contaminated zone	3	0.47	1	0.64	3	0.76	1	0.73
Thickness of Unsaturated zone 1	5	0.09	8	0.06	21	0.05	25	0.01
Thickness of Unsaturated zone 2	13	0.06	16	0.04	16	0.06	22	0.02
Thickness of Unsaturated zone 3	26	-0.02	28	-0.01	13	-0.07	19	-0.02
Hydraulic Conductivity of Unsaturated zone 1	27	0.02	29	0.01	31	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	-0.08	9	-0.05	10	0.09	15	0.03
Hydraulic Conductivity of Unsaturated zone 3	22	0.03	23	0.02	28	0.03	30	0.01
Saturated zone hydraulic conductivity	8	-0.07	11	-0.05	14	0.06	20	0.02
Evapotranspiration coefficient	16	0.05	19	0.03	4	0.14	9	0.04
Wind Speed	19	-0.04	21	-0.03	34	-0.01	34	0.00
Runoff coefficient	14	0.05	17	0.03	9	0.09	14	0.03
Inhalation rate	11	-0.07	14	-0.04	11	-0.08	17	-0.02
Mass loading for inhalation	23	0.03	24	0.02	33	-0.01	33	0.00
Outdoor time fraction	17	0.05	20	0.03	18	0.05	24	0.01
Soil ingestion	4	0.11	6	0.07	8	-0.10	12	-0.03
Plant food	2	0.48	3	0.35	2	0.81	3	0.40
Depth of soil mixing layer	15	-0.05	18	-0.03	6	-0.11	10	-0.03
Depth of roots	1	-0.48	2	-0.36	1	-0.85	2	-0.46
Area of contaminated zone	9	0.07	5	0.08	23	-0.03	18	-0.02
R-SQUARE		0.60		0.60		0.92		0.92

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	33	0.01	24	0.02	15	0.06	8	0.13
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.02	30	-0.01	29	-0.01
Kd of Th-230 in Unsaturated Zone 2	19	0.04	21	0.03	27	-0.02	25	-0.02
Kd of Th-230 in Saturated Zone	7	-0.09	10	-0.07	21	-0.05	16	-0.04
Kd of Th-228 in Contaminated Zone	32	-0.01	13	-0.05	11	-0.08	6	-0.24
Kd of Th-228 in Unsaturated Zone 1	29	0.01	31	0.01	28	0.02	27	0.02
Kd of Th-228 in Unsaturated Zone 2	31	0.01	33	0.01	20	-0.05	15	-0.05
Kd of Th-228 in Saturated Zone	24	0.02	26	0.02	24	0.03	10	0.08
Kd of Th-230 in Contaminated Zone	23	0.02	8	0.08	7	0.10	7	0.21
Kd of Th-230 in Unsaturated Zone 1	14	-0.05	16	-0.04	34	0.00	34	0.00
Kd of Th-230 in Unsaturated Zone 2	28	-0.01	30	-0.01	26	-0.03	23	-0.02
Kd of Th-230 in Saturated Zone	34	-0.01	34	-0.01	13	-0.07	11	-0.06
Kd of Th-228 in Unsaturated Zone 3	9	0.08	11	0.06	18	-0.05	21	-0.03
Kd of Th-230 in Unsaturated Zone 3	18	-0.04	20	-0.03	9	-0.10	14	-0.05
Kd of Th-232 in Unsaturated Zone 3	4	0.25	4	0.20	17	-0.06	20	-0.03
Thickness of contaminated zone	8	0.08	5	0.11	4	0.49	1	0.71
Thickness of Unsaturated zone 1	12	-0.06	15	-0.05	29	0.01	30	0.01
Thickness of Unsaturated zone 2	15	-0.05	17	-0.04	23	0.04	26	0.02
Thickness of Unsaturated zone 3	26	0.02	29	0.01	6	0.15	9	0.08
Hydraulic Conductivity of Unsaturated zone 1	11	-0.06	14	-0.05	8	-0.10	12	-0.05
Hydraulic Conductivity of Unsaturated zone 2	22	-0.03	25	-0.02	31	-0.01	31	-0.01
Hydraulic Conductivity of Unsaturated zone 3	17	0.04	19	0.03	33	0.00	33	0.00
Saturated zone hydraulic conductivity	16	-0.04	18	-0.03	32	-0.01	32	0.00
Evapotranspiration coefficient	20	-0.04	22	-0.03	19	-0.05	22	-0.03
Wind Speed	25	-0.02	28	-0.01	22	-0.04	24	-0.02
Runoff coefficient	10	-0.07	12	-0.06	10	-0.10	13	-0.05
Inhalation rate	6	0.10	7	0.08	16	0.06	19	0.03
Mass loading for inhalation	5	-0.14	6	-0.11	12	-0.08	17	-0.04
Outdoor time fraction	3	0.32	3	0.26	2	0.57	4	0.37
Soil ingestion	2	0.37	2	0.31	3	0.57	5	0.37
Plant food	27	0.02	27	0.01	14	0.07	18	0.04
Depth of soil mixing layer	1	-0.48	1	-0.42	1	-0.65	2	-0.46
Depth of roots	30	-0.01	32	-0.01	25	-0.03	28	-0.01
Area of contaminated zone	13	-0.05	9	-0.08	5	0.29	3	0.38
R-SQUARE		0.44		0.44		0.71		0.71

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	-0.03	8	-0.08	12	0.06	8	0.12
Kd of Th-230 in Unsaturated Zone 1	8	-0.08	11	-0.06	18	0.04	11	0.04
Kd of Th-230 in Unsaturated Zone 2	13	0.06	15	0.04	25	-0.02	25	-0.02
Kd of Th-230 in Saturated Zone	22	0.03	23	0.02	28	-0.01	26	-0.01
Kd of Th-228 in Contaminated Zone	34	0.00	33	0.01	11	-0.06	6	-0.18
Kd of Th-228 in Unsaturated Zone 1	33	0.00	34	0.00	20	0.04	15	0.03
Kd of Th-228 in Unsaturated Zone 2	12	-0.06	13	-0.05	23	-0.03	20	-0.03
Kd of Th-228 in Saturated Zone	4	0.12	4	0.16	24	-0.02	9	-0.06
Kd of Th-230 in Contaminated Zone	27	0.02	10	0.06	7	0.08	7	0.14
Kd of Th-230 in Unsaturated Zone 1	10	-0.07	12	-0.05	21	0.03	17	0.03
Kd of Th-230 in Unsaturated Zone 2	26	-0.02	27	-0.02	33	0.00	32	0.00
Kd of Th-230 in Saturated Zone	5	-0.11	7	-0.09	34	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 3	17	-0.04	20	-0.03	30	-0.01	30	0.00
Kd of Th-230 in Unsaturated Zone 3	18	0.04	19	0.03	9	-0.07	13	-0.04
Kd of Th-232 in Unsaturated Zone 3	24	0.02	25	0.02	17	-0.05	22	-0.03
Thickness of contaminated zone	9	0.07	6	0.10	4	0.50	1	0.71
Thickness of Unsaturated zone 1	7	0.09	9	0.07	26	-0.02	27	-0.01
Thickness of Unsaturated zone 2	28	0.02	28	0.01	6	-0.08	10	-0.04
Thickness of Unsaturated zone 3	29	-0.02	29	-0.01	31	0.00	31	0.00
Hydraulic Conductivity of Unsaturated zone 1	21	-0.03	22	-0.02	29	-0.01	29	0.00
Hydraulic Conductivity of Unsaturated zone 2	16	-0.04	18	-0.03	8	-0.07	12	-0.04
Hydraulic Conductivity of Unsaturated zone 3	14	0.05	16	0.04	16	0.05	21	0.03
Saturated zone hydraulic conductivity	30	-0.02	30	-0.01	10	-0.07	14	-0.04
Evapotranspiration coefficient	15	0.05	17	0.03	14	0.06	18	0.03
Wind Speed	25	-0.02	26	-0.02	32	0.00	34	0.00
Runoff coefficient	32	0.01	32	0.01	13	0.06	16	0.03
Inhalation rate	19	0.03	21	0.02	22	-0.03	24	-0.02
Mass loading for inhalation	11	0.06	14	0.05	27	0.01	28	0.01
Outdoor time fraction	3	0.36	3	0.28	3	0.60	4	0.40
Soil ingestion	2	0.43	2	0.34	2	0.64	3	0.44
Plant food	31	0.02	31	0.01	19	0.04	23	0.02
Depth of soil mixing layer	1	-0.54	1	-0.46	1	-0.65	2	-0.45
Depth of roots	23	-0.03	24	-0.02	15	0.05	19	0.03
Area of contaminated zone	6	-0.10	5	-0.13	5	0.30	5	0.39
R-SQUARE		0.51		0.51		0.72		0.72

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	15	-0.05	7	-0.18	19	0.05	9	0.12
Kd of Th-230 in Unsaturated Zone 1	30	0.01	29	0.01	26	-0.03	21	-0.03
Kd of Th-230 in Unsaturated Zone 2	10	-0.06	15	-0.05	18	-0.06	16	-0.05
Kd of Th-230 in Saturated Zone	6	0.08	12	0.07	8	-0.11	12	-0.09
Kd of Th-228 in Contaminated Zone	12	0.06	2	0.29	17	-0.06	7	-0.21
Kd of Th-228 in Unsaturated Zone 1	11	-0.06	8	-0.10	23	-0.04	20	-0.03
Kd of Th-228 in Unsaturated Zone 2	31	0.01	32	0.00	31	-0.02	28	-0.01
Kd of Th-228 in Saturated Zone	8	0.08	11	0.07	11	0.10	6	0.27
Kd of Th-230 in Contaminated Zone	13	-0.06	6	-0.19	15	0.07	8	0.15
Kd of Th-230 in Unsaturated Zone 1	26	-0.03	26	-0.02	12	-0.10	13	-0.08
Kd of Th-230 in Unsaturated Zone 2	29	-0.01	30	-0.01	6	-0.13	10	-0.11
Kd of Th-230 in Saturated Zone	24	-0.03	24	-0.02	10	-0.11	11	-0.09
Kd of Th-228 in Unsaturated Zone 3	14	0.06	9	0.09	20	-0.05	22	-0.02
Kd of Th-230 in Unsaturated Zone 3	18	-0.05	18	-0.03	29	-0.02	30	-0.01
Kd of Th-232 in Unsaturated Zone 3	16	0.05	16	0.04	28	-0.03	29	-0.01
Thickness of contaminated zone	4	0.15	5	0.20	4	0.49	1	0.63
Thickness of Unsaturated zone 1	34	0.00	34	0.00	16	-0.06	19	-0.03
Thickness of Unsaturated zone 2	28	-0.02	28	-0.01	25	-0.03	26	-0.02
Thickness of Unsaturated zone 3	17	0.05	17	0.04	33	-0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	21	-0.04	20	-0.03	34	0.00	34	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	-0.04	21	-0.03	32	0.02	32	0.01
Hydraulic Conductivity of Unsaturated zone 3	27	0.02	27	0.01	22	-0.04	24	-0.02
Saturated zone hydraulic conductivity	7	0.08	13	0.06	7	-0.12	14	-0.06
Evapotranspiration coefficient	22	0.04	22	0.03	9	0.11	15	0.06
Wind Speed	9	0.07	14	0.05	27	0.03	27	0.01
Runoff coefficient	5	-0.10	10	-0.08	30	0.02	31	0.01
Inhalation rate	32	0.01	33	0.00	13	0.08	17	0.04
Mass loading for inhalation	19	-0.04	19	-0.03	24	-0.03	25	-0.02
Outdoor time fraction	2	0.36	3	0.29	3	0.59	4	0.39
Soil ingestion	3	0.33	4	0.27	2	0.60	3	0.39
Plant food	23	-0.03	23	-0.03	14	0.07	18	0.04
Depth of soil mixing layer	1	-0.54	1	-0.48	1	-0.69	2	-0.51
Depth of roots	25	-0.03	25	-0.02	21	-0.04	23	-0.02
Area of contaminated zone	33	0.00	31	0.01	5	0.25	5	0.30
R-SQUARE		0.45		0.45		0.72		0.72

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	16	-0.04	6	-0.14	25	0.03	15	0.05
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	23	-0.02	12	-0.10	10	-0.09
Kd of Th-230 in Unsaturated Zone 2	7	-0.07	13	-0.06	9	-0.12	9	-0.11
Kd of Th-230 in Saturated Zone	22	-0.02	24	-0.02	15	-0.06	16	-0.05
Kd of Th-228 in Contaminated Zone	13	0.05	2	0.28	28	-0.02	12	-0.06
Kd of Th-228 in Unsaturated Zone 1	23	-0.02	25	-0.02	27	-0.02	27	-0.02
Kd of Th-228 in Unsaturated Zone 2	25	0.02	26	0.02	6	-0.14	7	-0.13
Kd of Th-228 in Saturated Zone	24	-0.02	10	-0.07	13	0.09	6	0.25
Kd of Th-230 in Contaminated Zone	12	-0.05	4	-0.20	33	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 1	33	0.01	33	0.01	32	0.00	31	0.00
Kd of Th-230 in Unsaturated Zone 2	17	-0.04	20	-0.03	23	-0.04	20	-0.03
Kd of Th-230 in Saturated Zone	26	0.02	11	0.07	8	-0.13	8	-0.12
Kd of Th-228 in Unsaturated Zone 3	29	0.01	29	0.01	19	0.04	22	0.02
Kd of Th-230 in Unsaturated Zone 3	32	-0.01	32	-0.01	34	0.00	34	0.00
Kd of Th-232 in Unsaturated Zone 3	27	-0.02	27	-0.02	16	-0.06	18	-0.03
Thickness of contaminated zone	8	0.07	7	0.11	4	0.51	1	0.73
Thickness of Unsaturated zone 1	10	0.06	15	0.05	31	0.00	33	0.00
Thickness of Unsaturated zone 2	11	0.06	17	0.05	26	-0.02	28	-0.01
Thickness of Unsaturated zone 3	4	0.11	8	0.10	17	-0.06	19	-0.03
Hydraulic Conductivity of Unsaturated zone 1	20	0.03	22	0.03	14	0.08	17	0.04
Hydraulic Conductivity of Unsaturated zone 2	31	-0.01	31	-0.01	29	-0.02	29	-0.01
Hydraulic Conductivity of Unsaturated zone 3	28	0.02	28	0.01	18	-0.05	21	-0.03
Saturated zone hydraulic conductivity	18	0.03	21	0.03	10	-0.11	13	-0.06
Evapotranspiration coefficient	34	-0.01	34	-0.01	24	0.03	26	0.02
Wind Speed	6	-0.07	12	-0.06	11	0.11	14	0.06
Runoff coefficient	14	-0.04	18	-0.04	21	0.04	24	0.02
Inhalation rate	9	0.06	14	0.06	22	0.04	25	0.02
Mass loading for inhalation	15	-0.04	19	-0.03	30	0.01	30	0.01
Outdoor time fraction	3	0.22	5	0.19	2	0.55	4	0.37
Soil ingestion	2	0.24	3	0.22	3	0.53	5	0.35
Plant food	30	-0.01	30	-0.01	7	-0.13	11	-0.07
Depth of soil mixing layer	1	-0.39	1	-0.37	1	-0.63	2	-0.45
Depth of roots	5	0.10	9	0.09	20	0.04	23	0.02
Area of contaminated zone	19	-0.03	16	-0.05	5	0.29	3	0.37
R-SQUARE		0.29		0.29		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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	24	-0.02	7	-0.06	34	0.00	31	0.01
Kd of Th-230 in Unsaturated Zone 1	6	0.07	6	0.06	17	0.06	14	0.07
Kd of Th-230 in Unsaturated Zone 2	12	0.04	12	0.05	11	0.12	10	0.11
Kd of Th-230 in Saturated Zone	13	-0.03	14	-0.03	6	0.17	7	0.16
Kd of Th-228 in Contaminated Zone	34	0.00	34	0.00	30	-0.01	19	-0.04
Kd of Th-228 in Unsaturated Zone 1	18	-0.03	19	-0.02	9	0.12	9	0.11
Kd of Th-228 in Unsaturated Zone 2	27	-0.01	27	-0.01	8	0.13	8	0.13
Kd of Th-228 in Saturated Zone	31	0.01	31	0.01	7	-0.15	3	-0.47
Kd of Th-230 in Contaminated Zone	33	0.00	26	-0.01	26	0.02	18	0.05
Kd of Th-230 in Unsaturated Zone 1	29	-0.01	30	-0.01	15	0.08	12	0.08
Kd of Th-230 in Unsaturated Zone 2	28	0.01	29	0.01	12	0.10	11	0.10
Kd of Th-230 in Saturated Zone	17	-0.03	18	-0.02	16	0.07	15	0.06
Kd of Th-228 in Unsaturated Zone 3	26	0.01	28	0.01	33	0.01	34	0.01
Kd of Th-230 in Unsaturated Zone 3	23	-0.02	25	-0.01	28	0.02	29	0.01
Kd of Th-232 in Unsaturated Zone 3	15	-0.03	17	-0.03	13	0.10	16	0.05
Thickness of contaminated zone	5	0.08	4	0.13	4	0.48	1	0.65
Thickness of Unsaturated zone 1	8	-0.06	9	-0.05	27	0.02	28	0.01
Thickness of Unsaturated zone 2	30	0.01	32	0.01	10	0.12	13	0.07
Thickness of Unsaturated zone 3	7	-0.07	8	-0.06	29	-0.01	30	-0.01
Hydraulic Conductivity of Unsaturated zone 1	16	-0.03	16	-0.03	20	-0.05	22	-0.03
Hydraulic Conductivity of Unsaturated zone 2	32	-0.01	33	0.00	24	0.03	26	0.02
Hydraulic Conductivity of Unsaturated zone 3	11	0.05	13	0.04	21	-0.04	23	-0.02
Saturated zone hydraulic conductivity	22	-0.02	24	-0.02	23	-0.03	25	-0.02
Evapotranspiration coefficient	10	-0.05	11	-0.05	31	-0.01	32	-0.01
Wind Speed	19	0.03	20	0.02	32	-0.01	33	-0.01
Runoff coefficient	4	-0.10	5	-0.08	14	-0.09	17	-0.05
Inhalation rate	20	-0.02	22	-0.02	22	0.04	24	0.02
Mass loading for inhalation	9	0.06	10	0.05	19	0.05	21	0.03
Outdoor time fraction	2	0.29	2	0.26	3	0.56	5	0.37
Soil ingestion	3	0.26	3	0.24	2	0.57	4	0.38
Plant food	14	0.03	15	0.03	25	0.02	27	0.01
Depth of soil mixing layer	1	-0.37	1	-0.34	1	-0.65	2	-0.47
Depth of roots	21	-0.02	23	-0.02	18	0.06	20	0.03
Area of contaminated zone	25	-0.01	21	-0.02	5	0.26	6	0.32
R-SQUARE		0.29		0.29		0.70		0.70

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	0.01	16	0.03	34	0.00	31	0.00
Kd of Th-230 in Unsaturated Zone 1	27	0.02	27	0.01	12	-0.05	11	-0.02
Kd of Th-230 in Unsaturated Zone 2	9	-0.09	11	-0.05	9	0.08	7	0.04
Kd of Th-230 in Saturated Zone	14	0.05	17	0.03	32	0.00	33	0.00
Kd of Th-228 in Contaminated Zone	26	0.02	8	0.06	27	0.01	14	0.02
Kd of Th-228 in Unsaturated Zone 1	19	0.04	21	0.02	31	0.00	32	0.00
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	30	-0.01	15	0.04	13	0.02
Kd of Th-228 in Saturated Zone	22	-0.03	24	-0.02	29	0.01	17	0.01
Kd of Th-230 in Contaminated Zone	34	0.00	29	-0.01	30	0.00	28	0.00
Kd of Th-230 in Unsaturated Zone 1	33	0.00	34	0.00	14	-0.04	12	-0.02
Kd of Th-230 in Unsaturated Zone 2	30	0.01	31	0.00	10	-0.06	8	-0.03
Kd of Th-230 in Saturated Zone	18	-0.04	19	-0.03	23	-0.02	24	-0.01
Kd of Th-228 in Unsaturated Zone 3	32	0.00	33	0.00	11	-0.05	15	-0.02
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	28	-0.01	22	0.03	25	0.01
Kd of Th-232 in Unsaturated Zone 3	20	-0.04	22	-0.02	33	0.00	34	0.00
Thickness of contaminated zone	3	0.48	1	0.62	3	0.69	1	0.71
Thickness of Unsaturated zone 1	16	0.05	18	0.03	26	-0.01	29	0.00
Thickness of Unsaturated zone 2	24	-0.02	26	-0.01	18	-0.04	20	-0.01
Thickness of Unsaturated zone 3	13	-0.06	15	-0.03	8	0.08	10	0.03
Hydraulic Conductivity of Unsaturated zone 1	10	-0.08	12	-0.05	19	-0.04	21	-0.01
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	25	0.01	5	-0.14	5	-0.04
Hydraulic Conductivity of Unsaturated zone 3	17	0.04	20	0.03	7	-0.10	9	-0.03
Saturated zone hydraulic conductivity	6	0.10	6	0.06	20	-0.03	22	-0.01
Evapotranspiration coefficient	12	0.07	14	0.04	4	0.16	4	0.05
Wind Speed	5	-0.11	5	-0.07	24	-0.01	27	0.00
Runoff coefficient	8	0.09	9	0.05	28	-0.01	30	0.00
Inhalation rate	21	-0.04	23	-0.02	13	0.04	16	0.01
Mass loading for inhalation	31	0.01	32	0.00	21	-0.03	23	-0.01
Outdoor time fraction	7	0.10	7	0.06	17	-0.04	19	-0.01
Soil ingestion	4	-0.12	4	-0.08	16	-0.04	18	-0.01
Plant food	2	0.49	3	0.35	2	0.77	3	0.38
Depth of soil mixing layer	11	-0.07	13	-0.04	6	-0.12	6	-0.04
Depth of roots	1	-0.55	2	-0.40	1	-0.84	2	-0.49
Area of contaminated zone	15	0.05	10	0.05	25	-0.01	26	-0.01
R-SQUARE		0.65		0.65		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 Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	14	-0.06	6	-0.15	18	0.04	8	0.04
Kd of Th-230 in Unsaturated Zone 1	11	-0.06	12	-0.05	14	-0.05	15	-0.02
Kd of Th-230 in Unsaturated Zone 2	9	0.07	10	0.05	6	-0.12	6	-0.05
Kd of Th-230 in Saturated Zone	25	-0.02	25	-0.01	16	-0.05	16	-0.02
Kd of Th-228 in Contaminated Zone	8	0.09	3	0.34	17	-0.05	5	-0.06
Kd of Th-228 in Unsaturated Zone 1	31	0.00	30	0.00	28	-0.01	26	0.00
Kd of Th-228 in Unsaturated Zone 2	15	-0.06	15	-0.04	12	-0.06	12	-0.03
Kd of Th-228 in Saturated Zone	32	0.00	32	0.00	13	0.05	4	0.08
Kd of Th-230 in Contaminated Zone	7	-0.09	5	-0.22	24	0.03	14	0.02
Kd of Th-230 in Unsaturated Zone 1	12	0.06	13	0.04	33	0.00	33	0.00
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	31	0.00	32	0.00	32	0.00
Kd of Th-230 in Saturated Zone	33	0.00	33	0.00	19	-0.04	19	-0.02
Kd of Th-228 in Unsaturated Zone 3	26	-0.01	26	-0.01	10	0.08	17	0.02
Kd of Th-230 in Unsaturated Zone 3	5	0.12	8	0.08	31	0.00	31	0.00
Kd of Th-232 in Unsaturated Zone 3	34	0.00	34	0.00	9	-0.10	13	-0.02
Thickness of contaminated zone	3	0.44	1	0.60	3	0.80	1	0.75
Thickness of Unsaturated zone 1	16	-0.05	17	-0.03	7	-0.11	10	-0.03
Thickness of Unsaturated zone 2	6	-0.09	9	-0.06	20	-0.04	22	-0.01
Thickness of Unsaturated zone 3	4	0.12	7	0.08	22	-0.03	23	-0.01
Hydraulic Conductivity of Unsaturated zone 1	28	0.01	28	0.01	27	0.01	28	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	0.03	21	0.02	15	-0.05	21	-0.01
Hydraulic Conductivity of Unsaturated zone 3	17	-0.04	18	-0.03	30	-0.01	30	0.00
Saturated zone hydraulic conductivity	24	0.02	24	0.01	29	-0.01	29	0.00
Evapotranspiration coefficient	18	-0.03	19	-0.02	4	0.16	7	0.04
Wind Speed	23	0.02	23	0.01	23	0.03	24	0.01
Runoff coefficient	13	0.06	14	0.04	8	0.11	11	0.03
Inhalation rate	29	0.01	29	0.01	11	-0.06	20	-0.02
Mass loading for inhalation	22	-0.02	22	-0.01	25	-0.02	25	-0.01
Outdoor time fraction	27	-0.01	27	-0.01	26	0.01	27	0.00
Soil ingestion	19	0.03	20	0.02	5	0.12	9	0.03
Plant food	2	0.45	4	0.32	2	0.83	3	0.38
Depth of soil mixing layer	10	-0.07	11	-0.05	34	0.00	34	0.00
Depth of roots	1	-0.47	2	-0.35	1	-0.88	2	-0.47
Area of contaminated zone	21	0.03	16	0.03	21	-0.03	18	-0.02
R-SQUARE		0.61		0.61		0.94		0.94

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

Coefficients for peak Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	0.01	18	0.04	27	-0.02	16	-0.03
Kd of Th-230 in Unsaturated Zone 1	32	-0.01	32	0.00	9	-0.10	7	-0.05
Kd of Th-230 in Unsaturated Zone 2	19	0.03	23	0.02	13	-0.07	11	-0.03
Kd of Th-230 in Saturated Zone	27	-0.02	29	-0.01	11	-0.09	9	-0.04
Kd of Th-228 in Contaminated Zone	31	-0.01	15	-0.04	32	0.01	18	0.02
Kd of Th-228 in Unsaturated Zone 1	34	0.00	33	0.00	16	-0.06	17	-0.03
Kd of Th-228 in Unsaturated Zone 2	14	-0.07	17	-0.04	24	-0.04	19	-0.02
Kd of Th-228 in Saturated Zone	30	-0.01	31	-0.01	7	0.11	4	0.16
Kd of Th-230 in Contaminated Zone	21	0.02	7	0.06	31	0.01	25	0.01
Kd of Th-230 in Unsaturated Zone 1	18	0.03	22	0.02	10	-0.10	8	-0.04
Kd of Th-230 in Unsaturated Zone 2	17	0.03	21	0.02	14	-0.07	14	-0.03
Kd of Th-230 in Saturated Zone	9	0.08	11	0.05	12	-0.08	10	-0.04
Kd of Th-228 in Unsaturated Zone 3	22	-0.02	20	-0.03	22	0.05	26	0.01
Kd of Th-230 in Unsaturated Zone 3	24	-0.02	26	-0.01	26	0.03	29	0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.01	30	-0.01	15	0.07	20	0.02
Thickness of contaminated zone	2	0.53	1	0.67	3	0.78	1	0.71
Thickness of Unsaturated zone 1	23	-0.02	25	-0.01	4	-0.21	5	-0.06
Thickness of Unsaturated zone 2	8	-0.08	10	-0.05	34	0.00	34	0.00
Thickness of Unsaturated zone 3	11	0.08	13	0.04	19	-0.06	22	-0.02
Hydraulic Conductivity of Unsaturated zone 1	4	0.15	4	0.09	8	0.11	15	0.03
Hydraulic Conductivity of Unsaturated zone 2	26	-0.02	28	-0.01	33	0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 3	16	-0.05	19	-0.03	18	-0.06	23	-0.02
Saturated zone hydraulic conductivity	7	-0.08	9	-0.05	6	-0.12	13	-0.03
Evapotranspiration coefficient	5	0.12	5	0.07	30	0.01	32	0.00
Wind Speed	12	0.07	14	0.04	20	0.06	24	0.02
Runoff coefficient	33	0.00	34	0.00	5	0.19	6	0.05
Inhalation rate	13	0.07	16	0.04	17	0.06	21	0.02
Mass loading for inhalation	6	-0.09	8	-0.06	29	0.02	31	0.00
Outdoor time fraction	25	-0.02	27	-0.01	28	0.02	30	0.01
Soil ingestion	10	0.08	12	0.05	23	0.05	27	0.01
Plant food	3	0.42	3	0.28	2	0.79	3	0.35
Depth of soil mixing layer	20	0.02	24	0.01	25	0.03	28	0.01
Depth of roots	1	-0.54	2	-0.39	1	-0.87	2	-0.47
Area of contaminated zone	15	0.07	6	0.07	21	-0.06	12	-0.03
R-SQUARE		0.66		0.66		0.93		0.93

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

Coefficients for peak Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	33	0.02	12	0.05	18	0.05	6	0.05
Kd of Th-230 in Unsaturated Zone 1	16	0.05	20	0.03	28	-0.02	28	-0.01
Kd of Th-230 in Unsaturated Zone 2	32	0.02	33	0.01	13	0.06	13	0.03
Kd of Th-230 in Saturated Zone	4	0.35	4	0.22	21	-0.04	18	-0.02
Kd of Th-228 in Contaminated Zone	18	-0.04	5	-0.15	10	-0.07	4	-0.12
Kd of Th-228 in Unsaturated Zone 1	26	-0.02	29	-0.01	17	0.05	16	0.02
Kd of Th-228 in Unsaturated Zone 2	5	0.19	7	0.11	25	0.03	21	0.01
Kd of Th-228 in Saturated Zone	30	-0.02	13	-0.04	29	-0.02	14	-0.03
Kd of Th-230 in Contaminated Zone	15	0.05	6	0.12	12	0.06	5	0.07
Kd of Th-230 in Unsaturated Zone 1	24	-0.03	27	-0.02	27	0.02	27	0.01
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	21	-0.03	30	0.02	29	0.01
Kd of Th-230 in Saturated Zone	31	0.02	14	0.04	31	0.01	31	0.01
Kd of Th-228 in Unsaturated Zone 3	22	0.04	25	0.02	23	0.04	25	0.01
Kd of Th-230 in Unsaturated Zone 3	14	-0.06	19	-0.03	8	0.10	12	0.03
Kd of Th-232 in Unsaturated Zone 3	23	0.03	26	0.02	16	-0.05	20	-0.02
Thickness of contaminated zone	3	0.43	1	0.52	3	0.76	1	0.71
Thickness of Unsaturated zone 1	27	-0.02	30	-0.01	26	0.03	30	0.01
Thickness of Unsaturated zone 2	34	0.00	34	0.00	5	0.12	9	0.03
Thickness of Unsaturated zone 3	21	-0.04	24	-0.02	34	-0.01	34	0.00
Hydraulic Conductivity of Unsaturated zone 1	28	-0.02	31	-0.01	32	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	0.13	8	0.07	22	-0.04	24	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	-0.07	16	-0.04	33	0.01	33	0.00
Saturated zone hydraulic conductivity	25	-0.03	28	-0.02	6	-0.11	10	-0.03
Evapotranspiration coefficient	20	-0.04	23	-0.02	7	0.11	11	0.03
Wind Speed	9	0.07	15	0.04	14	0.06	19	0.02
Runoff coefficient	7	0.08	10	0.05	4	0.13	7	0.04
Inhalation rate	12	0.06	17	0.03	11	-0.07	17	-0.02
Mass loading for inhalation	8	0.08	11	0.05	19	-0.05	22	-0.01
Outdoor time fraction	19	-0.04	22	-0.02	20	0.04	23	0.01
Soil ingestion	13	-0.06	18	-0.03	9	0.09	15	0.03
Plant food	2	0.46	3	0.31	2	0.82	3	0.41
Depth of soil mixing layer	29	-0.02	32	-0.01	24	0.04	26	0.01
Depth of roots	1	-0.54	2	-0.37	1	-0.86	2	-0.47
Area of contaminated zone	11	-0.06	9	-0.07	15	-0.06	8	-0.03
R-SQUARE		0.68		0.68		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 Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	33	0.01	26	0.02	22	0.04	8	0.05
Kd of Th-230 in Unsaturated Zone 1	31	-0.01	32	-0.01	33	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	16	-0.05	13	-0.04	20	0.05	16	0.02
Kd of Th-230 in Saturated Zone	28	-0.02	30	-0.01	23	0.04	21	0.02
Kd of Th-228 in Contaminated Zone	30	-0.01	10	-0.05	13	-0.07	4	-0.11
Kd of Th-228 in Unsaturated Zone 1	9	-0.07	12	-0.04	30	0.02	29	0.01
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	31	-0.01	18	0.05	12	0.03
Kd of Th-228 in Saturated Zone	7	0.08	7	0.07	19	-0.05	5	-0.08
Kd of Th-230 in Contaminated Zone	21	0.04	4	0.10	14	0.06	6	0.07
Kd of Th-230 in Unsaturated Zone 1	12	-0.06	15	-0.04	6	0.11	7	0.05
Kd of Th-230 in Unsaturated Zone 2	20	-0.04	22	-0.02	25	0.03	24	0.02
Kd of Th-230 in Saturated Zone	25	-0.02	27	-0.01	27	0.03	25	0.01
Kd of Th-228 in Unsaturated Zone 3	24	-0.02	25	-0.02	29	-0.02	30	-0.01
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	24	-0.03	27	-0.01
Kd of Th-232 in Unsaturated Zone 3	32	0.01	33	0.00	7	0.10	11	0.03
Thickness of contaminated zone	3	0.47	1	0.63	3	0.76	1	0.73
Thickness of Unsaturated zone 1	5	0.09	8	0.06	21	0.04	26	0.01
Thickness of Unsaturated zone 2	13	0.06	16	0.04	15	0.06	22	0.02
Thickness of Unsaturated zone 3	26	-0.02	28	-0.01	12	-0.07	18	-0.02
Hydraulic Conductivity of Unsaturated zone 1	27	0.02	29	0.01	31	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	-0.08	9	-0.05	8	0.08	13	0.03
Hydraulic Conductivity of Unsaturated zone 3	22	0.03	23	0.02	28	0.03	28	0.01
Saturated zone hydraulic conductivity	8	-0.07	11	-0.05	16	0.06	20	0.02
Evapotranspiration coefficient	18	0.05	20	0.03	4	0.13	9	0.04
Wind Speed	19	-0.04	21	-0.03	32	-0.01	33	0.00
Runoff coefficient	17	0.05	19	0.03	11	0.07	17	0.02
Inhalation rate	10	-0.07	14	-0.04	10	-0.08	15	-0.02
Mass loading for inhalation	23	0.03	24	0.02	34	0.00	34	0.00
Outdoor time fraction	15	0.05	18	0.03	17	0.06	23	0.02
Soil ingestion	4	0.11	6	0.07	9	-0.08	14	-0.02
Plant food	2	0.48	3	0.36	2	0.81	3	0.40
Depth of soil mixing layer	14	-0.06	17	-0.04	5	-0.13	10	-0.04
Depth of roots	1	-0.48	2	-0.36	1	-0.85	2	-0.46
Area of contaminated zone	11	0.07	5	0.08	26	-0.03	19	-0.02
R-SQUARE		0.60		0.60		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 Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	8	0.09	6	0.14	24	0.03	7	0.04
Kd of Th-230 in Unsaturated Zone 1	33	0.00	33	0.00	18	0.04	17	0.02
Kd of Th-230 in Unsaturated Zone 2	17	-0.06	16	-0.02	22	-0.03	20	-0.02
Kd of Th-230 in Saturated Zone	11	-0.06	12	-0.02	15	-0.05	13	-0.02
Kd of Th-228 in Contaminated Zone	7	-0.10	3	-0.22	21	-0.04	4	-0.07
Kd of Th-228 in Unsaturated Zone 1	6	-0.10	8	-0.04	12	0.05	10	0.03
Kd of Th-228 in Unsaturated Zone 2	10	0.07	10	0.03	16	0.05	12	0.02
Kd of Th-228 in Saturated Zone	13	0.06	11	0.02	34	0.00	34	0.00
Kd of Th-230 in Contaminated Zone	5	0.10	5	0.16	14	0.05	5	0.06
Kd of Th-230 in Unsaturated Zone 1	28	0.01	28	0.01	19	0.04	16	0.02
Kd of Th-230 in Unsaturated Zone 2	26	0.02	26	0.01	20	-0.04	18	-0.02
Kd of Th-230 in Saturated Zone	31	-0.01	31	0.00	31	-0.01	29	-0.01
Kd of Th-228 in Unsaturated Zone 3	30	0.01	30	0.00	17	-0.04	23	-0.01
Kd of Th-230 in Unsaturated Zone 3	14	-0.06	15	-0.02	26	-0.02	26	-0.01
Kd of Th-232 in Unsaturated Zone 3	34	0.00	34	0.00	29	-0.02	30	-0.01
Thickness of contaminated zone	2	0.57	2	0.48	2	0.70	1	0.76
Thickness of Unsaturated zone 1	23	0.03	23	0.01	10	0.06	19	0.02
Thickness of Unsaturated zone 2	9	0.08	9	0.03	8	0.07	14	0.02
Thickness of Unsaturated zone 3	4	0.14	7	0.05	3	0.16	6	0.06
Hydraulic Conductivity of Unsaturated zone 1	24	0.03	24	0.01	25	0.03	25	0.01
Hydraulic Conductivity of Unsaturated zone 2	12	-0.06	13	-0.02	32	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 3	19	0.05	19	0.02	9	0.06	15	0.02
Saturated zone hydraulic conductivity	15	0.06	14	0.02	27	-0.02	27	-0.01
Evapotranspiration coefficient	21	0.04	21	0.02	30	0.01	31	0.00
Wind Speed	25	-0.03	25	-0.01	11	-0.05	21	-0.02
Runoff coefficient	29	0.01	29	0.00	33	0.01	33	0.00
Inhalation rate	27	-0.02	27	-0.01	23	-0.03	24	-0.01
Mass loading for inhalation	20	-0.04	20	-0.02	13	-0.05	22	-0.02
Outdoor time fraction	1	0.88	1	0.68	1	0.90	2	0.67
Soil ingestion	22	0.03	22	0.01	28	-0.02	28	-0.01
Plant food	18	0.05	18	0.02	5	0.11	8	0.04
Depth of soil mixing layer	16	-0.06	17	-0.02	6	-0.09	9	-0.03
Depth of roots	32	0.01	32	0.00	7	-0.08	11	-0.03
Area of contaminated zone	3	-0.26	4	-0.18	4	0.14	3	0.11
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 =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	10	0.08	5	0.12	33	0.00	26	0.01
Kd of Th-230 in Unsaturated Zone 1	21	-0.03	21	-0.01	31	-0.01	29	0.00
Kd of Th-230 in Unsaturated Zone 2	31	0.01	31	0.00	21	0.02	21	0.01
Kd of Th-230 in Saturated Zone	9	0.08	12	0.03	27	0.01	25	0.01
Kd of Th-228 in Contaminated Zone	11	-0.08	4	-0.17	18	-0.02	8	-0.03
Kd of Th-228 in Unsaturated Zone 1	19	0.04	13	0.02	16	-0.03	14	-0.02
Kd of Th-228 in Unsaturated Zone 2	4	-0.17	7	-0.06	8	-0.09	5	-0.05
Kd of Th-228 in Saturated Zone	34	0.00	32	0.00	22	0.02	11	0.03
Kd of Th-230 in Contaminated Zone	12	0.07	6	0.10	26	0.01	16	0.01
Kd of Th-230 in Unsaturated Zone 1	20	-0.04	20	-0.01	20	0.02	20	0.01
Kd of Th-230 in Unsaturated Zone 2	29	0.01	29	0.00	25	-0.01	22	-0.01
Kd of Th-230 in Saturated Zone	6	-0.14	9	-0.05	11	-0.06	9	-0.03
Kd of Th-228 in Unsaturated Zone 3	22	-0.02	22	-0.01	12	0.05	15	0.02
Kd of Th-230 in Unsaturated Zone 3	8	-0.09	11	-0.03	6	-0.12	7	-0.04
Kd of Th-232 in Unsaturated Zone 3	33	0.00	34	0.00	14	-0.04	18	-0.01
Thickness of contaminated zone	2	0.57	2	0.48	2	0.72	1	0.76
Thickness of Unsaturated zone 1	26	0.02	26	0.01	28	-0.01	30	0.00
Thickness of Unsaturated zone 2	15	-0.06	16	-0.02	9	-0.08	12	-0.02
Thickness of Unsaturated zone 3	16	0.05	17	0.02	15	0.04	19	0.01
Hydraulic Conductivity of Unsaturated zone 1	32	0.01	33	0.00	19	0.02	24	0.01
Hydraulic Conductivity of Unsaturated zone 2	27	-0.01	27	0.00	30	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 3	13	0.06	14	0.02	32	0.01	33	0.00
Saturated zone hydraulic conductivity	25	0.02	25	0.01	23	-0.02	27	0.00
Evapotranspiration coefficient	5	0.15	8	0.05	3	0.17	4	0.05
Wind Speed	23	-0.02	23	-0.01	34	0.00	34	0.00
Runoff coefficient	7	0.10	10	0.03	4	0.15	6	0.05
Inhalation rate	30	-0.01	30	0.00	29	0.01	31	0.00
Mass loading for inhalation	14	-0.06	15	-0.02	10	-0.06	13	-0.02
Outdoor time fraction	1	0.88	1	0.65	1	0.90	2	0.65
Soil ingestion	24	0.02	24	0.01	24	0.02	28	0.00
Plant food	28	-0.01	28	0.00	17	0.02	23	0.01
Depth of soil mixing layer	17	0.05	18	0.02	13	0.04	17	0.01
Depth of roots	18	0.05	19	0.02	7	0.09	10	0.03
Area of contaminated zone	3	-0.28	3	-0.20	5	0.13	3	0.10
R-SQUARE		0.88		0.88		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-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	24	-0.02	8	-0.03	11	0.07	4	0.09
Kd of Th-230 in Unsaturated Zone 1	28	0.01	27	0.01	26	0.02	23	0.01
Kd of Th-230 in Unsaturated Zone 2	20	0.03	21	0.01	22	0.03	22	0.01
Kd of Th-230 in Saturated Zone	11	0.04	14	0.02	13	-0.06	11	-0.03
Kd of Th-228 in Contaminated Zone	18	0.03	4	0.08	17	-0.05	3	-0.10
Kd of Th-228 in Unsaturated Zone 1	34	-0.01	32	0.00	29	0.02	24	0.01
Kd of Th-228 in Unsaturated Zone 2	16	0.04	18	0.01	19	0.04	17	0.02
Kd of Th-228 in Saturated Zone	9	0.06	10	0.03	21	0.03	7	0.05
Kd of Th-230 in Contaminated Zone	12	-0.04	5	-0.07	20	0.03	8	0.04
Kd of Th-230 in Unsaturated Zone 1	22	0.02	23	0.01	18	-0.04	15	-0.02
Kd of Th-230 in Unsaturated Zone 2	26	0.02	26	0.01	4	-0.10	6	-0.05
Kd of Th-230 in Saturated Zone	13	-0.04	15	-0.02	34	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 3	33	0.01	31	0.00	32	-0.01	32	0.00
Kd of Th-230 in Unsaturated Zone 3	7	0.07	11	0.03	6	-0.08	12	-0.03
Kd of Th-232 in Unsaturated Zone 3	19	-0.03	20	-0.01	16	-0.05	21	-0.02
Thickness of contaminated zone	2	0.56	2	0.45	2	0.72	1	0.71
Thickness of Unsaturated zone 1	31	-0.01	33	0.00	31	-0.01	31	0.00
Thickness of Unsaturated zone 2	17	-0.04	19	-0.01	14	-0.06	19	-0.02
Thickness of Unsaturated zone 3	6	0.09	9	0.03	15	0.05	20	0.02
Hydraulic Conductivity of Unsaturated zone 1	8	0.07	12	0.02	12	0.06	18	0.02
Hydraulic Conductivity of Unsaturated zone 2	30	-0.01	30	0.00	24	0.02	26	0.01
Hydraulic Conductivity of Unsaturated zone 3	15	0.04	17	0.01	25	-0.02	27	-0.01
Saturated zone hydraulic conductivity	23	0.02	24	0.01	27	-0.02	28	-0.01
Evapotranspiration coefficient	4	0.12	6	0.04	10	0.07	16	0.02
Wind Speed	29	-0.01	29	0.00	33	0.01	33	0.00
Runoff coefficient	14	0.04	16	0.02	3	0.10	9	0.03
Inhalation rate	5	0.10	7	0.04	8	0.07	13	0.02
Mass loading for inhalation	32	-0.01	34	0.00	28	0.02	29	0.01
Outdoor time fraction	1	0.88	1	0.68	1	0.90	2	0.67
Soil ingestion	21	0.03	22	0.01	23	0.02	25	0.01
Plant food	10	-0.06	13	-0.02	9	-0.07	14	-0.02
Depth of soil mixing layer	25	0.02	25	0.01	30	-0.01	30	0.00
Depth of roots	27	-0.01	28	-0.01	5	0.09	10	0.03
Area of contaminated zone	3	-0.30	3	-0.21	7	0.08	5	0.05
R-SQUARE		0.87		0.87		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-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	23	-0.02	12	-0.03	29	0.01	20	0.02
Kd of Th-230 in Unsaturated Zone 1	5	0.14	5	0.06	22	-0.04	16	-0.02
Kd of Th-230 in Unsaturated Zone 2	8	-0.09	11	-0.04	34	0.00	34	0.00
Kd of Th-230 in Saturated Zone	4	-0.15	4	-0.06	33	0.00	33	0.00
Kd of Th-228 in Contaminated Zone	29	0.01	14	0.03	27	-0.02	7	-0.04
Kd of Th-228 in Unsaturated Zone 1	32	0.01	31	0.00	7	0.08	6	0.04
Kd of Th-228 in Unsaturated Zone 2	22	-0.02	24	-0.01	8	-0.08	5	-0.04
Kd of Th-228 in Saturated Zone	18	-0.04	8	-0.05	30	-0.01	23	-0.02
Kd of Th-230 in Contaminated Zone	20	-0.03	6	-0.05	32	0.01	28	0.01
Kd of Th-230 in Unsaturated Zone 1	19	0.03	23	0.01	12	0.06	8	0.03
Kd of Th-230 in Unsaturated Zone 2	28	-0.01	29	-0.01	25	0.02	26	0.01
Kd of Th-230 in Saturated Zone	21	0.03	10	0.04	17	-0.05	10	-0.03
Kd of Th-228 in Unsaturated Zone 3	14	-0.06	19	-0.02	24	0.03	29	0.01
Kd of Th-230 in Unsaturated Zone 3	26	0.02	27	0.01	28	0.02	31	0.01
Kd of Th-232 in Unsaturated Zone 3	34	0.00	34	0.00	9	-0.07	12	-0.02
Thickness of contaminated zone	2	0.58	2	0.49	2	0.73	1	0.79
Thickness of Unsaturated zone 1	24	0.02	25	0.01	23	0.04	27	0.01
Thickness of Unsaturated zone 2	7	0.12	9	0.05	6	0.08	11	0.03
Thickness of Unsaturated zone 3	25	-0.02	26	-0.01	20	-0.04	24	-0.01
Hydraulic Conductivity of Unsaturated zone 1	16	0.04	21	0.01	19	0.05	22	0.02
Hydraulic Conductivity of Unsaturated zone 2	17	0.04	22	0.01	18	-0.05	21	-0.02
Hydraulic Conductivity of Unsaturated zone 3	30	-0.01	30	0.00	26	-0.02	30	-0.01
Saturated zone hydraulic conductivity	9	0.07	13	0.03	14	0.06	17	0.02
Evapotranspiration coefficient	11	0.07	17	0.03	15	0.05	18	0.02
Wind Speed	13	0.06	18	0.02	11	0.07	14	0.02
Runoff coefficient	6	0.13	7	0.05	3	0.16	4	0.06
Inhalation rate	31	-0.01	32	0.00	16	-0.05	19	-0.02
Mass loading for inhalation	27	-0.01	28	-0.01	31	-0.01	32	0.00
Outdoor time fraction	1	0.86	1	0.65	1	0.88	2	0.62
Soil ingestion	15	-0.05	20	-0.02	10	-0.07	13	-0.02
Plant food	10	-0.07	15	-0.03	5	-0.09	9	-0.03
Depth of soil mixing layer	12	0.07	16	0.03	21	0.04	25	0.01
Depth of roots	33	0.00	33	0.00	13	0.06	15	0.02
Area of contaminated zone	3	-0.28	3	-0.20	4	0.14	3	0.10
R-SQUARE		0.86		0.86		0.89		0.89

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	11	0.05	6	0.08	5	-0.07	5	-0.08
Kd of Th-230 in Unsaturated Zone 1	30	0.01	30	0.00	22	-0.03	14	-0.02
Kd of Th-230 in Unsaturated Zone 2	28	0.01	25	0.01	26	-0.02	27	-0.01
Kd of Th-230 in Saturated Zone	4	-0.11	7	-0.04	21	0.03	15	0.02
Kd of Th-228 in Contaminated Zone	6	-0.08	4	-0.17	11	0.05	4	0.10
Kd of Th-228 in Unsaturated Zone 1	9	-0.07	11	-0.03	34	0.00	33	0.00
Kd of Th-228 in Unsaturated Zone 2	10	0.07	10	0.03	24	0.02	20	0.01
Kd of Th-228 in Saturated Zone	18	0.03	17	0.01	27	0.01	8	0.03
Kd of Th-230 in Contaminated Zone	8	0.08	5	0.12	17	-0.04	6	-0.04
Kd of Th-230 in Unsaturated Zone 1	16	0.04	16	0.01	25	-0.02	22	-0.01
Kd of Th-230 in Unsaturated Zone 2	27	-0.01	28	0.00	28	0.01	26	0.01
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	10	-0.05	7	-0.03
Kd of Th-228 in Unsaturated Zone 3	26	0.01	27	0.00	18	0.03	23	0.01
Kd of Th-230 in Unsaturated Zone 3	33	0.00	33	0.00	32	0.01	32	0.00
Kd of Th-232 in Unsaturated Zone 3	25	-0.01	26	0.00	9	0.06	13	0.02
Thickness of contaminated zone	2	0.58	2	0.46	2	0.75	1	0.77
Thickness of Unsaturated zone 1	7	0.08	9	0.03	15	0.04	19	0.01
Thickness of Unsaturated zone 2	31	0.00	31	0.00	16	0.04	21	0.01
Thickness of Unsaturated zone 3	23	-0.02	23	-0.01	20	-0.03	25	-0.01
Hydraulic Conductivity of Unsaturated zone 1	22	0.02	22	0.01	12	0.05	16	0.02
Hydraulic Conductivity of Unsaturated zone 2	19	0.03	19	0.01	7	0.07	11	0.02
Hydraulic Conductivity of Unsaturated zone 3	32	0.00	32	0.00	23	0.03	28	0.01
Saturated zone hydraulic conductivity	24	-0.02	24	-0.01	14	-0.05	18	-0.02
Evapotranspiration coefficient	17	-0.04	18	-0.01	19	-0.03	24	-0.01
Wind Speed	5	0.08	8	0.03	6	0.07	10	0.02
Runoff coefficient	21	0.03	20	0.01	30	-0.01	30	0.00
Inhalation rate	29	-0.01	29	0.00	33	0.00	34	0.00
Mass loading for inhalation	20	0.03	21	0.01	8	0.06	12	0.02
Outdoor time fraction	1	0.88	1	0.68	1	0.90	2	0.66
Soil ingestion	14	-0.04	14	-0.02	4	-0.08	9	-0.03
Plant food	13	0.04	13	0.02	31	0.01	31	0.00
Depth of soil mixing layer	12	-0.05	12	-0.02	29	-0.01	29	0.00
Depth of roots	15	-0.04	15	-0.01	13	-0.05	17	-0.02
Area of contaminated zone	3	-0.28	3	-0.19	3	0.14	3	0.10
R-SQUARE		0.88		0.88		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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	22	0.03	8	0.10	15	-0.05	8	-0.06
Kd of Th-230 in Unsaturated Zone 1	20	-0.04	23	-0.03	20	-0.03	20	-0.02
Kd of Th-230 in Unsaturated Zone 2	29	-0.01	31	-0.01	24	-0.02	24	-0.01
Kd of Th-230 in Saturated Zone	12	-0.07	14	-0.05	13	-0.08	13	-0.04
Kd of Th-228 in Contaminated Zone	23	-0.02	7	-0.10	18	0.03	9	0.06
Kd of Th-228 in Unsaturated Zone 1	9	0.09	11	0.06	25	0.02	25	0.01
Kd of Th-228 in Unsaturated Zone 2	28	-0.01	30	-0.01	23	-0.02	23	-0.01
Kd of Th-228 in Saturated Zone	10	0.08	12	0.05	21	0.03	10	0.04
Kd of Th-230 in Contaminated Zone	30	0.01	19	0.03	22	-0.02	15	-0.03
Kd of Th-230 in Unsaturated Zone 1	16	-0.05	18	-0.03	19	0.03	19	0.02
Kd of Th-230 in Unsaturated Zone 2	15	-0.06	17	-0.04	30	0.01	30	0.00
Kd of Th-230 in Saturated Zone	27	-0.01	29	-0.01	28	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 3	17	0.05	20	0.03	16	-0.05	21	-0.01
Kd of Th-230 in Unsaturated Zone 3	26	-0.02	27	-0.01	11	-0.09	16	-0.03
Kd of Th-232 in Unsaturated Zone 3	7	0.14	9	0.10	29	0.01	29	0.00
Thickness of contaminated zone	4	0.30	2	0.40	4	0.68	1	0.66
Thickness of Unsaturated zone 1	13	-0.07	15	-0.05	34	0.00	34	0.00
Thickness of Unsaturated zone 2	31	0.01	32	0.01	27	-0.02	28	-0.01
Thickness of Unsaturated zone 3	25	-0.02	26	-0.01	7	0.13	11	0.04
Hydraulic Conductivity of Unsaturated zone 1	24	-0.02	25	-0.02	26	-0.02	27	-0.01
Hydraulic Conductivity of Unsaturated zone 2	11	-0.08	13	-0.05	33	0.00	33	0.00
Hydraulic Conductivity of Unsaturated zone 3	33	0.00	33	0.00	8	0.13	12	0.04
Saturated zone hydraulic conductivity	19	-0.04	22	-0.03	14	0.05	18	0.02
Evapotranspiration coefficient	21	0.04	24	0.02	32	0.00	32	0.00
Wind Speed	6	-0.26	6	-0.18	5	-0.62	5	-0.24
Runoff coefficient	14	-0.06	16	-0.04	17	0.05	22	0.01
Inhalation rate	3	0.31	4	0.22	6	0.52	6	0.19
Mass loading for inhalation	5	0.30	5	0.21	3	0.69	4	0.28
Outdoor time fraction	2	0.39	3	0.28	2	0.77	3	0.37
Soil ingestion	18	0.04	21	0.03	31	0.01	31	0.00
Plant food	34	0.00	34	0.00	9	0.09	14	0.03
Depth of soil mixing layer	1	-0.56	1	-0.44	1	-0.84	2	-0.46
Depth of roots	8	-0.10	10	-0.07	12	-0.08	17	-0.02
Area of contaminated zone	32	-0.01	28	-0.01	10	0.09	7	0.07
R-SQUARE		0.57		0.57		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-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	20	-0.04	8	-0.11	29	0.03	13	0.03
Kd of Th-230 in Unsaturated Zone 1	10	-0.08	12	-0.06	30	0.03	28	0.02
Kd of Th-230 in Unsaturated Zone 2	14	0.06	19	0.04	24	0.04	22	0.02
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	32	0.02	31	0.01
Kd of Th-228 in Contaminated Zone	26	0.02	11	0.09	23	-0.04	8	-0.07
Kd of Th-228 in Unsaturated Zone 1	27	-0.02	25	-0.02	27	0.03	27	0.02
Kd of Th-228 in Unsaturated Zone 2	8	-0.14	9	-0.09	22	-0.04	20	-0.02
Kd of Th-228 in Saturated Zone	17	0.05	14	0.06	28	-0.03	9	-0.05
Kd of Th-230 in Contaminated Zone	23	-0.04	10	-0.09	26	0.03	11	0.04
Kd of Th-230 in Unsaturated Zone 1	21	-0.04	23	-0.03	21	0.04	19	0.02
Kd of Th-230 in Unsaturated Zone 2	15	-0.06	20	-0.04	19	0.05	16	0.03
Kd of Th-230 in Saturated Zone	18	-0.04	22	-0.03	34	0.00	34	0.00
Kd of Th-228 in Unsaturated Zone 3	22	-0.04	24	-0.02	25	-0.04	30	-0.01
Kd of Th-230 in Unsaturated Zone 3	32	-0.01	31	-0.01	14	-0.06	21	-0.02
Kd of Th-232 in Unsaturated Zone 3	33	0.01	33	0.01	16	-0.05	24	-0.02
Thickness of contaminated zone	4	0.31	2	0.40	3	0.69	1	0.71
Thickness of Unsaturated zone 1	6	0.21	6	0.14	31	-0.02	32	-0.01
Thickness of Unsaturated zone 2	30	0.01	30	0.01	17	-0.05	25	-0.02
Thickness of Unsaturated zone 3	13	-0.07	18	-0.04	18	-0.05	26	-0.02
Hydraulic Conductivity of Unsaturated zone 1	25	0.02	27	0.02	12	-0.08	17	-0.03
Hydraulic Conductivity of Unsaturated zone 2	11	-0.07	16	-0.05	10	-0.09	14	-0.03
Hydraulic Conductivity of Unsaturated zone 3	12	0.07	17	0.05	9	0.10	12	0.03
Saturated zone hydraulic conductivity	31	-0.01	32	-0.01	11	-0.09	15	-0.03
Evapotranspiration coefficient	29	0.02	29	0.01	13	0.07	18	0.02
Wind Speed	5	-0.28	5	-0.19	5	-0.58	5	-0.23
Runoff coefficient	9	-0.09	13	-0.06	8	0.13	10	0.04
Inhalation rate	7	0.19	7	0.13	6	0.45	6	0.17
Mass loading for inhalation	2	0.42	3	0.30	4	0.68	4	0.31
Outdoor time fraction	3	0.34	4	0.23	2	0.74	3	0.36
Soil ingestion	28	-0.02	28	-0.01	15	0.06	23	0.02
Plant food	16	-0.05	21	-0.03	33	-0.01	33	0.00
Depth of soil mixing layer	1	-0.56	1	-0.44	1	-0.81	2	-0.45
Depth of roots	24	-0.03	26	-0.02	20	0.04	29	0.01
Area of contaminated zone	19	-0.04	15	-0.05	7	0.15	7	0.11
R-SQUARE		0.61		0.61		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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	9	-0.07	6	-0.19	32	-0.01	28	-0.01
Kd of Th-230 in Unsaturated Zone 1	33	0.01	33	0.01	20	-0.05	16	-0.03
Kd of Th-230 in Unsaturated Zone 2	21	-0.04	24	-0.02	9	-0.12	9	-0.07
Kd of Th-230 in Saturated Zone	19	0.04	22	0.02	14	-0.08	12	-0.05
Kd of Th-228 in Contaminated Zone	13	0.06	5	0.26	31	-0.01	18	-0.03
Kd of Th-228 in Unsaturated Zone 1	22	-0.03	12	-0.05	24	-0.04	22	-0.02
Kd of Th-228 in Unsaturated Zone 2	27	-0.03	29	-0.02	26	-0.03	25	-0.01
Kd of Th-228 in Saturated Zone	30	-0.02	30	-0.02	11	0.11	6	0.20
Kd of Th-230 in Contaminated Zone	12	-0.06	7	-0.17	33	0.01	29	0.01
Kd of Th-230 in Unsaturated Zone 1	34	-0.01	34	-0.01	12	-0.09	11	-0.05
Kd of Th-230 in Unsaturated Zone 2	16	-0.05	18	-0.03	7	-0.14	8	-0.08
Kd of Th-230 in Saturated Zone	32	0.01	32	0.01	10	-0.11	10	-0.06
Kd of Th-228 in Unsaturated Zone 3	28	0.02	17	0.03	22	-0.04	26	-0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.03	27	-0.02	15	-0.08	15	-0.03
Kd of Th-232 in Unsaturated Zone 3	8	0.08	11	0.05	23	0.04	27	0.01
Thickness of contaminated zone	4	0.34	2	0.44	4	0.63	1	0.62
Thickness of Unsaturated zone 1	11	-0.06	15	-0.04	18	-0.07	21	-0.02
Thickness of Unsaturated zone 2	15	0.05	16	0.04	13	-0.08	14	-0.03
Thickness of Unsaturated zone 3	10	0.06	13	0.04	27	0.02	30	0.01
Hydraulic Conductivity of Unsaturated zone 1	14	-0.06	14	-0.04	30	0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 2	24	0.03	26	0.02	19	-0.06	23	-0.02
Hydraulic Conductivity of Unsaturated zone 3	20	-0.04	20	-0.02	34	0.00	34	0.00
Saturated zone hydraulic conductivity	7	0.10	10	0.07	17	-0.07	20	-0.02
Evapotranspiration coefficient	17	0.04	19	0.03	8	0.12	13	0.04
Wind Speed	5	-0.23	8	-0.15	5	-0.52	5	-0.22
Runoff coefficient	23	-0.03	25	-0.02	29	-0.01	32	-0.01
Inhalation rate	6	0.22	9	0.15	6	0.43	7	0.17
Mass loading for inhalation	2	0.46	3	0.34	3	0.64	4	0.30
Outdoor time fraction	3	0.37	4	0.26	2	0.72	3	0.37
Soil ingestion	18	-0.04	21	-0.02	21	0.05	24	0.02
Plant food	31	-0.02	31	-0.01	28	0.02	31	0.01
Depth of soil mixing layer	1	-0.56	1	-0.44	1	-0.77	2	-0.44
Depth of roots	26	0.03	28	0.02	16	0.07	19	0.03
Area of contaminated zone	29	0.02	23	0.02	25	0.04	17	0.03
R-SQUARE		0.59		0.59		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 =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	0.00	26	0.01	22	-0.04	12	-0.06
Kd of Th-230 in Unsaturated Zone 1	34	0.00	34	0.00	11	-0.08	13	-0.05
Kd of Th-230 in Unsaturated Zone 2	15	-0.04	18	-0.03	14	-0.06	15	-0.04
Kd of Th-230 in Saturated Zone	19	-0.02	23	-0.02	25	-0.03	21	-0.02
Kd of Th-228 in Contaminated Zone	28	0.00	21	0.02	20	0.04	8	0.09
Kd of Th-228 in Unsaturated Zone 1	11	-0.05	13	-0.04	24	-0.04	22	-0.02
Kd of Th-228 in Unsaturated Zone 2	24	0.02	27	0.01	13	-0.07	14	-0.04
Kd of Th-228 in Saturated Zone	21	0.02	10	0.06	17	0.05	9	0.09
Kd of Th-230 in Contaminated Zone	27	-0.01	20	-0.02	19	-0.05	10	-0.07
Kd of Th-230 in Unsaturated Zone 1	18	-0.02	22	-0.02	16	0.05	19	0.03
Kd of Th-230 in Unsaturated Zone 2	12	-0.05	14	-0.04	31	0.02	29	0.01
Kd of Th-230 in Saturated Zone	20	-0.02	8	-0.06	9	-0.09	11	-0.06
Kd of Th-228 in Unsaturated Zone 3	16	0.04	17	0.03	27	0.03	27	0.01
Kd of Th-230 in Unsaturated Zone 3	22	0.02	24	0.02	28	0.03	28	0.01
Kd of Th-232 in Unsaturated Zone 3	26	-0.01	29	-0.01	29	-0.03	30	-0.01
Thickness of contaminated zone	4	0.26	2	0.37	2	0.68	1	0.74
Thickness of Unsaturated zone 1	8	0.08	9	0.06	26	0.03	26	0.01
Thickness of Unsaturated zone 2	29	0.00	31	0.00	21	-0.04	24	-0.02
Thickness of Unsaturated zone 3	7	0.09	7	0.07	15	-0.06	20	-0.02
Hydraulic Conductivity of Unsaturated zone 1	14	0.04	16	0.03	18	0.05	23	0.02
Hydraulic Conductivity of Unsaturated zone 2	31	0.00	32	0.00	30	-0.03	31	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	0.05	12	0.04	34	-0.01	34	0.00
Saturated zone hydraulic conductivity	9	0.06	11	0.05	32	-0.02	32	-0.01
Evapotranspiration coefficient	13	-0.05	15	-0.03	23	-0.04	25	-0.01
Wind Speed	5	-0.21	5	-0.16	5	-0.50	5	-0.22
Runoff coefficient	23	0.02	25	0.02	8	0.10	16	0.04
Inhalation rate	6	0.20	6	0.15	6	0.39	6	0.16
Mass loading for inhalation	3	0.29	4	0.23	3	0.63	3	0.31
Outdoor time fraction	2	0.29	3	0.23	4	0.63	4	0.30
Soil ingestion	33	0.00	33	0.00	10	-0.09	17	-0.03
Plant food	25	-0.01	28	-0.01	12	-0.08	18	-0.03
Depth of soil mixing layer	1	-0.47	1	-0.40	1	-0.77	2	-0.45
Depth of roots	17	0.04	19	0.03	33	-0.01	33	0.00
Area of contaminated zone	30	0.00	30	-0.01	7	0.13	7	0.10
R-SQUARE		0.47		0.47		0.86		0.86

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

Coefficients for peak Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	21	-0.02	9	-0.07	31	0.01	26	0.01
Kd of Th-230 in Unsaturated Zone 1	14	0.03	16	0.03	16	-0.05	13	-0.03
Kd of Th-230 in Unsaturated Zone 2	19	0.02	18	0.02	23	0.03	20	0.02
Kd of Th-230 in Saturated Zone	18	-0.02	20	-0.02	27	-0.02	29	-0.01
Kd of Th-228 in Contaminated Zone	34	0.00	32	0.00	26	-0.02	8	-0.04
Kd of Th-228 in Unsaturated Zone 1	22	-0.02	23	-0.01	29	0.02	31	0.01
Kd of Th-228 in Unsaturated Zone 2	13	-0.04	14	-0.04	30	0.02	30	0.01
Kd of Th-228 in Saturated Zone	17	0.02	15	0.03	28	-0.02	10	-0.04
Kd of Th-230 in Contaminated Zone	30	0.01	21	0.02	24	0.03	11	0.03
Kd of Th-230 in Unsaturated Zone 1	11	0.06	13	0.05	33	0.00	32	0.00
Kd of Th-230 in Unsaturated Zone 2	24	-0.02	25	-0.01	11	0.07	9	0.04
Kd of Th-230 in Saturated Zone	16	-0.03	19	-0.02	25	-0.02	23	-0.01
Kd of Th-228 in Unsaturated Zone 3	28	-0.01	29	-0.01	19	0.04	24	0.01
Kd of Th-230 in Unsaturated Zone 3	20	0.02	22	0.02	22	-0.03	28	-0.01
Kd of Th-232 in Unsaturated Zone 3	31	0.00	31	0.00	20	0.04	25	0.01
Thickness of contaminated zone	5	0.13	3	0.20	3	0.71	1	0.73
Thickness of Unsaturated zone 1	15	-0.03	17	-0.03	9	0.07	14	0.02
Thickness of Unsaturated zone 2	10	-0.07	12	-0.06	17	0.05	21	0.02
Thickness of Unsaturated zone 3	25	0.01	26	0.01	32	-0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	28	0.01	21	-0.04	27	-0.01
Hydraulic Conductivity of Unsaturated zone 2	23	-0.02	24	-0.01	34	0.00	34	0.00
Hydraulic Conductivity of Unsaturated zone 3	8	0.10	8	0.08	15	0.05	19	0.02
Saturated zone hydraulic conductivity	26	-0.01	27	-0.01	10	-0.07	15	-0.02
Evapotranspiration coefficient	6	-0.13	6	-0.11	12	-0.06	16	-0.02
Wind Speed	4	-0.19	5	-0.16	5	-0.58	5	-0.24
Runoff coefficient	33	0.00	34	0.00	13	0.06	17	0.02
Inhalation rate	7	0.13	7	0.11	6	0.43	6	0.16
Mass loading for inhalation	3	0.20	4	0.17	4	0.71	4	0.33
Outdoor time fraction	2	0.27	2	0.23	2	0.75	3	0.38
Soil ingestion	9	-0.07	11	-0.06	8	0.09	12	0.03
Plant food	29	0.01	30	0.01	18	0.04	22	0.01
Depth of soil mixing layer	1	-0.39	1	-0.36	1	-0.79	2	-0.44
Depth of roots	32	0.00	33	0.00	14	-0.06	18	-0.02
Area of contaminated zone	12	-0.04	10	-0.06	7	0.17	7	0.13
R-SQUARE		0.33		0.33		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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	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
Plant 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
Depth of roots	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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	0.01	17	0.03	29	-0.01	22	-0.01
Kd of Th-230 in Unsaturated Zone 1	26	0.02	27	0.01	15	-0.04	14	-0.02
Kd of Th-230 in Unsaturated Zone 2	9	-0.09	11	-0.05	8	0.08	6	0.04
Kd of Th-230 in Saturated Zone	14	0.05	16	0.03	34	0.00	34	0.00
Kd of Th-228 in Contaminated Zone	25	0.02	7	0.06	23	0.02	8	0.03
Kd of Th-228 in Unsaturated Zone 1	20	0.04	22	0.02	30	0.01	31	0.00
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	30	-0.01	16	0.04	13	0.02
Kd of Th-228 in Saturated Zone	22	-0.03	24	-0.02	32	0.00	28	0.01
Kd of Th-230 in Contaminated Zone	34	0.00	29	-0.01	28	-0.01	18	-0.01
Kd of Th-230 in Unsaturated Zone 1	33	0.00	34	0.00	14	-0.04	12	-0.02
Kd of Th-230 in Unsaturated Zone 2	30	0.01	31	0.00	10	-0.06	9	-0.03
Kd of Th-230 in Saturated Zone	18	-0.04	19	-0.03	24	-0.02	27	-0.01
Kd of Th-228 in Unsaturated Zone 3	32	0.00	33	0.00	12	-0.05	16	-0.02
Kd of Th-230 in Unsaturated Zone 3	27	-0.02	28	-0.01	21	0.03	25	0.01
Kd of Th-232 in Unsaturated Zone 3	19	-0.04	21	-0.02	33	0.00	33	0.00
Thickness of contaminated zone	3	0.48	1	0.62	3	0.69	1	0.70
Thickness of Unsaturated zone 1	16	0.05	18	0.03	27	-0.01	30	0.00
Thickness of Unsaturated zone 2	24	-0.02	26	-0.01	18	-0.04	21	-0.01
Thickness of Unsaturated zone 3	13	-0.06	15	-0.04	9	0.08	11	0.02
Hydraulic Conductivity of Unsaturated zone 1	10	-0.08	12	-0.05	20	-0.03	24	-0.01
Hydraulic Conductivity of Unsaturated zone 2	23	0.02	25	0.01	5	-0.13	5	-0.04
Hydraulic Conductivity of Unsaturated zone 3	17	0.04	20	0.03	7	-0.10	10	-0.03
Saturated zone hydraulic conductivity	6	0.10	6	0.06	19	-0.03	23	-0.01
Evapotranspiration coefficient	12	0.07	14	0.04	4	0.16	4	0.05
Wind Speed	5	-0.11	5	-0.07	26	-0.01	29	0.00
Runoff coefficient	8	0.09	9	0.05	31	-0.01	32	0.00
Inhalation rate	21	-0.04	23	-0.02	17	0.04	19	0.01
Mass loading for inhalation	31	0.01	32	0.00	22	-0.03	26	-0.01
Outdoor time fraction	7	0.09	8	0.06	11	-0.05	15	-0.02
Soil ingestion	4	-0.12	4	-0.08	13	-0.05	17	-0.02
Plant food	2	0.49	3	0.35	2	0.77	3	0.39
Depth of soil mixing layer	11	-0.07	13	-0.04	6	-0.11	7	-0.03
Depth of roots	1	-0.55	2	-0.40	1	-0.84	2	-0.49
Area of contaminated zone	15	0.05	10	0.05	25	-0.02	20	-0.01
R-SQUARE		0.65		0.65		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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	14	-0.06	6	-0.15	18	0.04	7	0.04
Kd of Th-230 in Unsaturated Zone 1	11	-0.06	11	-0.04	14	-0.05	14	-0.02
Kd of Th-230 in Unsaturated Zone 2	9	0.07	10	0.05	5	-0.12	6	-0.05
Kd of Th-230 in Saturated Zone	26	-0.02	26	-0.01	15	-0.05	16	-0.02
Kd of Th-228 in Contaminated Zone	8	0.09	3	0.34	17	-0.05	5	-0.06
Kd of Th-228 in Unsaturated Zone 1	31	0.00	30	0.00	27	-0.01	26	-0.01
Kd of Th-228 in Unsaturated Zone 2	15	-0.06	15	-0.04	12	-0.07	10	-0.03
Kd of Th-228 in Saturated Zone	32	0.00	32	0.00	13	0.06	4	0.08
Kd of Th-230 in Contaminated Zone	7	-0.09	5	-0.22	24	0.03	15	0.02
Kd of Th-230 in Unsaturated Zone 1	12	0.06	13	0.04	33	0.00	30	0.00
Kd of Th-230 in Unsaturated Zone 2	30	-0.01	31	0.00	34	0.00	34	0.00
Kd of Th-230 in Saturated Zone	34	0.00	34	0.00	19	-0.04	20	-0.02
Kd of Th-228 in Unsaturated Zone 3	28	-0.01	28	-0.01	10	0.08	17	0.02
Kd of Th-230 in Unsaturated Zone 3	5	0.12	8	0.08	32	0.00	33	0.00
Kd of Th-232 in Unsaturated Zone 3	33	0.00	33	0.00	9	-0.10	13	-0.03
Thickness of contaminated zone	3	0.44	1	0.60	3	0.79	1	0.75
Thickness of Unsaturated zone 1	16	-0.05	17	-0.03	6	-0.11	9	-0.03
Thickness of Unsaturated zone 2	6	-0.09	9	-0.06	20	-0.04	22	-0.01
Thickness of Unsaturated zone 3	4	0.12	7	0.08	22	-0.03	23	-0.01
Hydraulic Conductivity of Unsaturated zone 1	27	0.01	27	0.01	28	0.01	28	0.00
Hydraulic Conductivity of Unsaturated zone 2	20	0.03	21	0.02	16	-0.05	21	-0.01
Hydraulic Conductivity of Unsaturated zone 3	17	-0.04	18	-0.03	31	0.00	32	0.00
Saturated zone hydraulic conductivity	24	0.02	24	0.01	30	0.00	31	0.00
Evapotranspiration coefficient	18	-0.03	19	-0.02	4	0.16	8	0.04
Wind Speed	23	0.02	23	0.01	23	0.03	24	0.01
Runoff coefficient	13	0.06	14	0.04	7	0.11	11	0.03
Inhalation rate	29	0.01	29	0.01	11	-0.07	19	-0.02
Mass loading for inhalation	22	-0.02	22	-0.01	25	-0.02	25	-0.01
Outdoor time fraction	25	-0.02	25	-0.01	29	-0.01	29	0.00
Soil ingestion	19	0.03	20	0.02	8	0.11	12	0.03
Plant food	2	0.45	4	0.32	2	0.84	3	0.38
Depth of soil mixing layer	10	-0.07	12	-0.04	26	0.02	27	0.00
Depth of roots	1	-0.47	2	-0.35	1	-0.88	2	-0.47
Area of contaminated zone	21	0.03	16	0.03	21	-0.03	18	-0.02
R-SQUARE		0.61		0.61		0.94		0.94

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

Coefficients for peak Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	0.02	18	0.04	27	-0.02	16	-0.03
Kd of Th-230 in Unsaturated Zone 1	32	-0.01	32	-0.01	9	-0.10	7	-0.05
Kd of Th-230 in Unsaturated Zone 2	20	0.03	24	0.02	14	-0.07	12	-0.03
Kd of Th-230 in Saturated Zone	26	-0.02	28	-0.01	11	-0.08	10	-0.03
Kd of Th-228 in Contaminated Zone	31	-0.01	14	-0.04	32	0.01	19	0.02
Kd of Th-228 in Unsaturated Zone 1	34	0.00	34	0.00	18	-0.06	17	-0.03
Kd of Th-228 in Unsaturated Zone 2	14	-0.07	17	-0.04	24	-0.04	20	-0.02
Kd of Th-228 in Saturated Zone	30	-0.01	31	-0.01	7	0.11	4	0.15
Kd of Th-230 in Contaminated Zone	21	0.02	7	0.06	30	0.01	24	0.02
Kd of Th-230 in Unsaturated Zone 1	19	0.03	22	0.02	10	-0.10	8	-0.04
Kd of Th-230 in Unsaturated Zone 2	17	0.03	21	0.02	15	-0.06	14	-0.03
Kd of Th-230 in Saturated Zone	8	0.08	11	0.05	12	-0.08	11	-0.03
Kd of Th-228 in Unsaturated Zone 3	22	-0.02	20	-0.03	23	0.05	27	0.01
Kd of Th-230 in Unsaturated Zone 3	25	-0.02	27	-0.01	26	0.04	29	0.01
Kd of Th-232 in Unsaturated Zone 3	29	-0.01	30	-0.01	13	0.07	18	0.02
Thickness of contaminated zone	2	0.53	1	0.67	3	0.78	1	0.71
Thickness of Unsaturated zone 1	23	-0.02	26	-0.01	4	-0.21	5	-0.06
Thickness of Unsaturated zone 2	9	-0.08	10	-0.05	34	0.00	34	0.00
Thickness of Unsaturated zone 3	10	0.08	12	0.04	16	-0.06	21	-0.02
Hydraulic Conductivity of Unsaturated zone 1	4	0.15	4	0.09	8	0.11	15	0.03
Hydraulic Conductivity of Unsaturated zone 2	28	-0.02	29	-0.01	29	0.02	31	0.00
Hydraulic Conductivity of Unsaturated zone 3	16	-0.05	19	-0.03	21	-0.06	25	-0.02
Saturated zone hydraulic conductivity	7	-0.08	9	-0.05	6	-0.11	13	-0.03
Evapotranspiration coefficient	5	0.12	6	0.07	31	0.01	32	0.00
Wind Speed	12	0.07	15	0.04	20	0.06	23	0.02
Runoff coefficient	33	0.00	33	0.00	5	0.19	6	0.05
Inhalation rate	13	0.07	16	0.04	17	0.06	22	0.02
Mass loading for inhalation	6	-0.09	8	-0.06	28	0.02	30	0.01
Outdoor time fraction	24	-0.02	25	-0.01	33	0.00	33	0.00
Soil ingestion	11	0.07	13	0.04	25	0.04	28	0.01
Plant food	3	0.42	3	0.28	2	0.80	3	0.36
Depth of soil mixing layer	18	0.03	23	0.02	22	0.05	26	0.01
Depth of roots	1	-0.54	2	-0.39	1	-0.87	2	-0.48
Area of contaminated zone	15	0.07	5	0.07	19	-0.06	9	-0.04
R-SQUARE		0.66		0.66		0.93		0.93

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

Coefficients for peak Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	4		4		4		4	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	0.02	12	0.05	18	0.06	6	0.06
Kd of Th-230 in Unsaturated Zone 1	16	0.05	20	0.03	31	-0.02	29	-0.01
Kd of Th-230 in Unsaturated Zone 2	29	0.02	32	0.01	15	0.06	13	0.03
Kd of Th-230 in Saturated Zone	4	0.35	4	0.22	21	-0.04	19	-0.02
Kd of Th-228 in Contaminated Zone	19	-0.04	5	-0.15	10	-0.08	4	-0.13
Kd of Th-228 in Unsaturated Zone 1	28	-0.02	30	-0.01	17	0.06	15	0.03
Kd of Th-228 in Unsaturated Zone 2	5	0.19	7	0.11	24	0.03	22	0.01
Kd of Th-228 in Saturated Zone	30	-0.02	13	-0.04	27	-0.02	12	-0.03
Kd of Th-230 in Contaminated Zone	15	0.05	6	0.12	11	0.07	5	0.08
Kd of Th-230 in Unsaturated Zone 1	24	-0.03	27	-0.02	25	0.02	25	0.01
Kd of Th-230 in Unsaturated Zone 2	17	-0.05	21	-0.03	29	0.02	28	0.01
Kd of Th-230 in Saturated Zone	31	0.02	15	0.04	28	0.02	27	0.01
Kd of Th-228 in Unsaturated Zone 3	22	0.04	25	0.02	23	0.03	26	0.01
Kd of Th-230 in Unsaturated Zone 3	14	-0.06	19	-0.03	8	0.10	14	0.03
Kd of Th-232 in Unsaturated Zone 3	23	0.03	26	0.02	19	-0.05	21	-0.02
Thickness of contaminated zone	3	0.43	1	0.51	3	0.75	1	0.69
Thickness of Unsaturated zone 1	26	-0.02	29	-0.01	30	0.02	31	0.00
Thickness of Unsaturated zone 2	34	0.00	34	0.00	5	0.12	9	0.03
Thickness of Unsaturated zone 3	21	-0.04	24	-0.02	33	-0.01	33	0.00
Hydraulic Conductivity of Unsaturated zone 1	27	-0.02	31	-0.01	32	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	0.13	8	0.07	22	-0.04	24	-0.01
Hydraulic Conductivity of Unsaturated zone 3	10	-0.07	16	-0.04	34	0.01	34	0.00
Saturated zone hydraulic conductivity	25	-0.03	28	-0.02	7	-0.11	10	-0.03
Evapotranspiration coefficient	20	-0.04	23	-0.02	6	0.11	11	0.03
Wind Speed	9	0.07	14	0.04	14	0.07	18	0.02
Runoff coefficient	7	0.08	10	0.05	4	0.13	8	0.04
Inhalation rate	13	0.06	18	0.03	13	-0.07	17	-0.02
Mass loading for inhalation	8	0.08	11	0.05	20	-0.05	23	-0.01
Outdoor time fraction	18	-0.04	22	-0.03	26	0.02	30	0.01
Soil ingestion	12	-0.06	17	-0.04	9	0.08	16	0.02
Plant food	2	0.46	3	0.31	2	0.82	3	0.41
Depth of soil mixing layer	33	-0.02	33	-0.01	16	0.06	20	0.02
Depth of roots	1	-0.54	2	-0.37	1	-0.86	2	-0.48
Area of contaminated zone	11	-0.06	9	-0.07	12	-0.07	7	-0.04
R-SQUARE		0.68		0.68		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 Th-230 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	5		5		5		5	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	33	0.01	26	0.02	22	0.04	8	0.05
Kd of Th-230 in Unsaturated Zone 1	31	-0.01	32	-0.01	33	0.01	31	0.00
Kd of Th-230 in Unsaturated Zone 2	16	-0.05	13	-0.04	21	0.04	17	0.02
Kd of Th-230 in Saturated Zone	28	-0.01	30	-0.01	24	0.03	22	0.02
Kd of Th-228 in Contaminated Zone	30	-0.01	10	-0.05	13	-0.07	4	-0.11
Kd of Th-228 in Unsaturated Zone 1	9	-0.07	12	-0.04	30	0.01	30	0.01
Kd of Th-228 in Unsaturated Zone 2	29	-0.01	31	-0.01	17	0.05	13	0.03
Kd of Th-228 in Saturated Zone	7	0.08	7	0.07	20	-0.05	5	-0.08
Kd of Th-230 in Contaminated Zone	21	0.04	4	0.10	15	0.06	6	0.07
Kd of Th-230 in Unsaturated Zone 1	12	-0.06	15	-0.04	5	0.11	7	0.05
Kd of Th-230 in Unsaturated Zone 2	20	-0.04	22	-0.02	26	0.03	23	0.02
Kd of Th-230 in Saturated Zone	25	-0.02	27	-0.01	29	0.02	26	0.01
Kd of Th-228 in Unsaturated Zone 3	24	-0.02	25	-0.02	28	-0.02	29	-0.01
Kd of Th-230 in Unsaturated Zone 3	34	0.00	34	0.00	23	-0.04	27	-0.01
Kd of Th-232 in Unsaturated Zone 3	32	0.01	33	0.00	7	0.10	11	0.03
Thickness of contaminated zone	3	0.47	1	0.63	3	0.76	1	0.73
Thickness of Unsaturated zone 1	5	0.09	8	0.06	19	0.05	25	0.01
Thickness of Unsaturated zone 2	13	0.06	16	0.04	16	0.06	21	0.02
Thickness of Unsaturated zone 3	26	-0.02	28	-0.01	12	-0.07	18	-0.02
Hydraulic Conductivity of Unsaturated zone 1	27	0.02	29	0.01	31	-0.01	32	0.00
Hydraulic Conductivity of Unsaturated zone 2	6	-0.08	9	-0.05	9	0.09	14	0.03
Hydraulic Conductivity of Unsaturated zone 3	22	0.03	23	0.02	27	0.02	28	0.01
Saturated zone hydraulic conductivity	8	-0.07	11	-0.05	14	0.06	20	0.02
Evapotranspiration coefficient	18	0.05	20	0.03	4	0.13	9	0.04
Wind Speed	19	-0.04	21	-0.03	32	-0.01	33	0.00
Runoff coefficient	15	0.05	18	0.03	11	0.07	16	0.02
Inhalation rate	11	-0.07	14	-0.04	10	-0.08	15	-0.02
Mass loading for inhalation	23	0.03	24	0.02	34	-0.01	34	0.00
Outdoor time fraction	17	0.05	19	0.03	18	0.05	24	0.01
Soil ingestion	4	0.11	6	0.07	8	-0.09	12	-0.03
Plant food	2	0.48	3	0.36	2	0.81	3	0.41
Depth of soil mixing layer	14	-0.05	17	-0.03	6	-0.11	10	-0.03
Depth of roots	1	-0.48	2	-0.36	1	-0.85	2	-0.47
Area of contaminated zone	10	0.07	5	0.08	25	-0.03	19	-0.02
R-SQUARE		0.60		0.60		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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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 =	PCC		SRC		PRCC		SRRC	
Repetition =	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
Plant 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
Depth of roots	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.