

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

**APPENDIX F**

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

**JANUARY 2004**



# Appendix F - Naturalist Scenario

## Surface Soil Source Term

### *RESRAD 6.21 Output File Reports*

#### **Part I: Mixture Sums and Single Radionuclide Guidelines**

Dose Conversion Factor (and Related) Parameter Summary .....	2
Site-Specific Parameter Summary .....	4
Summary of Pathway Selections .....	9
Contaminated Zone and Total Dose Summary .....	10
Total Dose Components .....	11 - 18
Dose/Source Ratios Summed Over All Pathways .....	19
Single Radionuclide Soil Guidelines .....	19
Dose Per Nuclide Summed Over All Pathways .....	21
Soil Concentration Per Nuclide .....	22

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

Iteration Logs	
Maximum Ra-228 Dose/Source Ratio .....	3
Maximum Th-230 Dose/Source Ratio .....	5
Maximum Th-232 Dose/Source Ratio .....	9
Source Factors for Ingrowth and Decay	
Radioactivity Only .....	14
Combined Radioactivity and Leaching .....	15
Ground Pathway	
Source Term Parameters .....	16
Time Dependence of Source Geometry .....	16
Occupancy, Cover/Depth, and Area Factors .....	17
Dose Conversion and Environmental Transport Factors .....	18
Dose/Source Ratios .....	18
Inhalation Pathway (radon excluded)	
Dose/Source Ratios .....	19
Pathway Factors .....	19
Dose Conversion and Environmental Transport Factors .....	20
Radon Pathway	
Flux and Parameters .....	21
Concentration and Parameters .....	23
Working Levels .....	24
Dose/Source Ratios .....	25
Groundwater and Surface Water Pathway Segments	
Transport Time Parameters for Unsaturated Zone Strata .....	27
Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model .....	29
Primary Parameters Used to Calculate Ratios .....	29
Water/Soil Concentration Ratios .....	30
Food Pathways	
Storage Times for Contaminated Foodstuffs .....	31

Storage Time Ingrowth and Decay Factors .....	31
Storage Correction Factors	
Drinking Water .....	32
Irrigation Water .....	32
Livestock Water .....	35
Plants .....	36
Livestock Fodder .....	37
Meat and Milk .....	38
Fish and Crustacea .....	39
Area and Depth Factors .....	40
Dose Conversion and Environmental Transport Factors	
Plant .....	42
Meat .....	44
Milk .....	47
Fish .....	50
Drinking Water .....	50
Dose/Source Ratios	
Plant .....	51
Plant Total .....	55
Meat .....	56
Meat Total .....	61
Milk .....	62
Milk Total .....	67
Fish .....	68
Drinking Water .....	69
Concentration Ratios	
Plant/Air and Plant/Water .....	70
Plant/Soil .....	70
Meat/Fodder, Fodder/Air, Fodder/Water .....	73
Fodder/Soil .....	74
Meat/Soil .....	76
Milk/Soil .....	78
Soil Ingestion Pathway	
Dose/Source Ratios .....	80
Dose Conversion and Environmental Transport Factors .....	81

### **Part III: Intake Quantities and Health Risk Factors**

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

## 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

## 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

## Part VI: Uncertainty Analysis

RESRAD Uncertainty Analysis Results	
Probabilistic Input .....	2
Total Dose .....	3
Total Risk .....	4
Dose vs. Pathway: Ground External .....	5
Dose vs. Pathway: Inhalation (w/o Radon) .....	6
Dose vs. Pathway: Radon (Water Ind.) .....	7
Dose vs. Pathway: Plant (Water Ind.) .....	8
Dose vs. Pathway: Meat (Water Ind.) .....	9
Dose vs. Pathway: Milk (Water Ind.) .....	10
Dose vs. Pathway: Soil Ingestion .....	11
Dose vs. Pathway: Water Ingestion .....	12
Dose vs. Pathway: Fish Ingestion .....	13
Dose vs. Pathway: Radon (Water Dep.) .....	14
Dose vs. Pathway: Plant (Water Dep.) .....	15
Dose vs. Pathway: Meat (Water Dep.) .....	16
Dose vs. Pathway: Milk (Water Dep.) .....	17
Cumulative Probability Summary .....	18
Summary of dose at graphical times, repetition 1 .....	19
Summary of dose at graphical times, repetition 2 .....	20
Summary of dose at graphical times, repetition 3 .....	21
Summary of dose at graphical times, repetition 4 .....	22
Summary of dose at graphical times, repetition 5 .....	23
Peak of the mean dose at graphical times .....	24
Correlation and Regression coefficients .....	25 - 129

Table of Contents

Part I: Mixture Sums and Single Radionuclide Guidelines  
=====

Dose Conversion Factor (and Related) Parameter Summary ...	2
Site-Specific Parameter Summary .....	4
Summary of Pathway Selections .....	9
Contaminated Zone and Total Dose Summary .....	10
Total Dose Components	
Time = 0.000E+00 .....	11
Time = 1.000E+00 .....	12
Time = 3.000E+00 .....	13
Time = 1.000E+01 .....	14
Time = 3.000E+01 .....	15
Time = 1.000E+02 .....	16
Time = 3.000E+02 .....	17
Time = 1.000E+03 .....	18
Dose/Source Ratios Summed Over All Pathways .....	19
Single Radionuclide Soil Guidelines .....	19
Dose Per Nuclide Summed Over All Pathways .....	21
Soil Concentration Per Nuclide .....	22

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

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

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Site-Specific Parameter Summary						
0	Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011		Area of contaminated zone (m**2)	5.730E+03	1.000E+04	---	AREA
R011		Thickness of contaminated zone (m)	7.000E-03	2.000E+00	---	THICK0
R011		Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011		Basic radiation dose limit (mrem/yr)	2.500E+01	2.500E+01	---	BRDL
R011		Time since placement of material (yr)	0.000E+00	0.000E+00	---	TI
R011		Times for calculations (yr)	1.000E+00	1.000E+00	---	T( 2)
R011		Times for calculations (yr)	3.000E+00	3.000E+00	---	T( 3)
R011		Times for calculations (yr)	1.000E+01	1.000E+01	---	T( 4)
R011		Times for calculations (yr)	3.000E+01	3.000E+01	---	T( 5)
R011		Times for calculations (yr)	1.000E+02	1.000E+02	---	T( 6)
R011		Times for calculations (yr)	3.000E+02	3.000E+02	---	T( 7)
R011		Times for calculations (yr)	1.000E+03	1.000E+03	---	T( 8)
R011		Times for calculations (yr)	not used	0.000E+00	---	T( 9)
R011		Times for calculations (yr)	not used	0.000E+00	---	T(10)
R012		Initial principal radionuclide (pCi/g): Pb-210	1.190E+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		Unsat. zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU ( 1,1)
R016		Unsat. zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU ( 1,2)
R016		Unsat. zone 3 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU ( 1,3)
R016		Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS ( 1)
R016		Leach rate (/yr)	0.000E+00	0.000E+00	1.398E-01	ALEACH ( 1)
R016		Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 1)
R016		Distribution coefficients for Ra-226				
R016		Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC ( 2)
R016		Unsat. zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU ( 2,1)
R016		Unsat. zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU ( 2,2)
R016		Unsat. zone 3 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU ( 2,3)
R016		Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS ( 2)
R016		Leach rate (/yr)	0.000E+00	0.000E+00	1.996E-01	ALEACH ( 2)
R016		Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK ( 2)

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	---	FPPLANT
	R018	Contamination fraction of meat	not used	-1	---	FMEAT
	R018	Contamination fraction of milk	not used	-1	---	FMILK
	R019	Livestock fodder intake for meat (kg/day)	not used	6.800E+01	---	LFIS
	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	---	LWIS
	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	---	HMIK
R021		Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021		Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021		Building interior area factor	not used	0.000E+00	---	FAI
R021		Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021		Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA (1)
R021		Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA (2)
TITL		Number of graphical time points	32	---	---	NPTS
TITL		Maximum number of integration points for dose	17	---	---	LYMAX
TITL		Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	7.524E-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

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

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 0 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	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

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

0  
 0 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	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

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

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.800E-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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.359E-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  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.049E-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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	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  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.658E-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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.787E-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  
 Water Dependent Pathways

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	3.810E-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

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

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	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

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

Radio- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.532E-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

Parent (i)	Product (j)	Branch Fraction*	DSR(j,t) (mrem/yr)/(pCi/g)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	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	1.685E-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
	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
	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
	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
	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
	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

ONuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	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





Individual Nuclide Dose Summed Over All Pathways											
Parent Nuclide and Branch Fraction Indicated											
ONuclide (j)	Parent (i)	BRF(i)	DOSE(j,t), mrem/yr								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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
ORa-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
ORa-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										
0Nuclide (j)	Parent (i)	BRF(i)	S(j,t), pCi/g							
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
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.  
 ORESALC.EXE execution time = 439.21 seconds

Table of Contents

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

Iteration Logs	
Maximum Ra-228 Dose/Source Ratio .....	3
Maximum Th-230 Dose/Source Ratio .....	5
Maximum Th-232 Dose/Source Ratio .....	9
Source Factors for Ingrowth and Decay	
Radioactivity Only .....	14
Combined Radioactivity and Leaching .....	15
Ground Pathway	
Source Term Parameters .....	16
Time Dependence of Source Geometry .....	16
Occupancy, Cover/Depth, and Area Factors .....	17
Dose Conversion and Environmental Transport Factors .	18
Dose/Source Ratios .....	18
Inhalation Pathway (radon excluded)	
Dose/Source Ratios .....	19
Pathway Factors .....	19
Dose Conversion and Environmental Transport Factors .	20
Radon Pathway	
Flux and Parameters .....	21
Concentration and Parameters .....	23
Working Levels .....	24
Dose/Source Ratios .....	25
Groundwater and Surface Water Pathway Segments	
Transport Time Parameters for Unsaturated Zone Strata	27
Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model .....	29
Primary Parameters Used to Calculate Ratios .....	29
Water/Soil Concentration Ratios .....	30

Table of Contents (cont.)

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

Food Pathways

Storage Times for Contaminated Foodstuffs .....	31
Storage Time Ingrowth and Decay Factors .....	31
Storage Correction Factors	
Drinking Water .....	32
Irrigation Water .....	32
Livestock Water .....	35
Plants .....	36
Livestock Fodder .....	37
Meat and Milk .....	38
Fish and Crustacea .....	39
Area and Depth Factors .....	40
Dose Conversion and Environmental Transport Factors	
Plant .....	42
Meat .....	44
Milk .....	47
Fish .....	50
Drinking Water .....	50
Dose/Source Ratios	
Plant .....	51
Plant Total .....	55
Meat .....	56
Meat Total .....	61
Milk .....	62
Milk Total .....	67
Fish .....	68
Drinking Water .....	69
Concentration Ratios	
Plant/Air and Plant/Water .....	70
Plant/Soil .....	70
Meat/Fodder, Fodder/Air, Fodder/Water .....	73
Fodder/Soil .....	74
Meat/Soil .....	76
Milk/Soil .....	78

Soil Ingestion Pathway

Dose/Source Ratios.....	80
Dose Conversion and Environmental Transport Factors .	81

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,  $0.5*(3-\text{SQRT}(5))$  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)  
 Tolerance for tmax = 1.0E-03 (fractional accuracy)

Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	2.42446E+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,  $0.5 \cdot (3 - \sqrt{5})$  of larger interval bracketing maximum, taken only if trial parabolic step fails.
- 4) Direct step to a previous t only on last iteration and only if prior iteration met convergence test but DSR(t) was smaller than the previous value.

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

Pathway: Ground

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

Iteration Number	t (years)	DSR(t) (mrem/yr) / (pCi/g)	Step Size (years)	Step Type
0	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,  $0.5 \cdot (3 - \sqrt{5})$  of larger interval bracketing maximum, taken only if trial parabolic step fails.
- 4) Direct step to a previous t only on last iteration and only if prior iteration met convergence test but DSR(t) was smaller than the previous value.

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

Pathway: 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

Parent (i)	Product (j)	Branch Fraction*	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.000E+00	9.694E-01	9.110E-01	7.328E-01	3.936E-01	4.468E-02	8.918E-05	3.169E-14
0Ra-226	Ra-226	1.000E+00	1.000E+00	9.996E-01	9.987E-01	9.957E-01	9.871E-01	9.576E-01	8.781E-01	6.484E-01
Ra-226	Pb-210	1.000E+00	0.000E+00	3.060E-02	8.897E-02	2.666E-01	6.019E-01	9.258E-01	8.904E-01	6.576E-01
0Ra-228	Ra-228	1.000E+00	1.000E+00	8.864E-01	6.965E-01	2.996E-01	2.688E-02	5.817E-06	1.968E-16	0.000E+00
Ra-228	Th-228	1.000E+00	0.000E+00	2.853E-01	5.384E-01	4.089E-01	4.025E-02	8.717E-06	2.950E-16	0.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	6.961E-01	3.372E-01	2.670E-02	1.903E-05	1.840E-16	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.997E-01	9.991E-01	9.973E-01	9.910E-01
Th-230	Ra-226	1.000E+00	0.000E+00	4.331E-04	1.299E-03	4.323E-03	1.291E-02	4.238E-02	1.217E-01	3.499E-01
Th-230	Pb-210	1.000E+00	0.000E+00	6.663E-06	5.873E-05	6.077E-04	4.523E-03	2.948E-02	1.093E-01	3.408E-01
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	0.000E+00	1.136E-01	3.035E-01	7.004E-01	9.731E-01	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00	0.000E+00	1.864E-02	1.243E-01	5.644E-01	9.597E-01	1.000E+00	1.000E+00	1.000E+00

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).



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

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

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

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 The effect of volatilization was also considered when computing the source factors for H-3 and C-14.

Parameters Used for Calculating Cover Depth and Contaminated Zone Thicknesses

0 Cover Erosion rate (vcv): 0.000003 m/yr  
 Contaminated Zone Erosion rate (vcz): 0.000003 m/yr  
 Water Table Drop rate (vwt): 0.001000 m/yr  
 Precipitation rate (Pr): 0.710000 m/yr  
 Cover Removal Time (Tc): 0.000E+00 yr  
 Overhead irrigation rate (Irr): 0.000 m/yr Runoff coefficient (Cr): 0.320  
 Evapotranspiration coeff. (Ce): 0.600 Infiltration rate (In): 0.193 m/yr  
 Bulk soil density (rhob): 1.970 g/cm\*\*3 Effective porosity (pe): 0.000

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

0 Time Dependence of Source Geometry

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

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

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

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



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

OParent (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
ORa-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
ORa-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.

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

OParent (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
ORa-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
ORa-228	Ra-228	1.000E+00	2.138E-02	1.551E-02	8.173E-03	8.669E-04	1.426E-06	2.570E-16	3.643E-44	0.000E+00
Ra-228	Th-228	1.000E+00	5.460E-03	1.211E-02	1.443E-02	4.011E-03	1.334E-05	3.271E-15	4.778E-43	0.000E+00
Ra-228	\$DSR(j)		2.684E-02	2.762E-02	2.261E-02	4.878E-03	1.477E-05	3.528E-15	5.143E-43	0.000E+00
0Th-228	Th-228	1.000E+00	3.164E-02	2.201E-02	1.065E-02	8.399E-04	5.918E-07	5.494E-18	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	1.075E-05	1.074E-05	1.073E-05	1.070E-05	1.060E-05	1.024E-05	9.269E-06	6.036E-06
Th-230	Ra-226	1.000E+00	9.115E-06	2.509E-05	4.885E-05	8.496E-05	9.553E-05	9.189E-05	8.132E-05	4.763E-05
Th-230	Pb-210	1.000E+00	1.408E-10	8.883E-10	3.729E-09	1.557E-08	2.615E-08	2.599E-08	2.371E-08	1.603E-08
Th-230	\$DSR(j)		1.986E-05	3.584E-05	5.958E-05	9.567E-05	1.061E-04	1.022E-04	9.061E-05	5.369E-05
0Th-232	Th-232	1.000E+00	5.554E-06	5.551E-06	5.546E-06	5.530E-06	5.482E-06	5.316E-06	4.860E-06	3.369E-06
Th-232	Ra-228	1.000E+00	1.357E-03	3.560E-03	6.316E-03	9.031E-03	9.251E-03	8.885E-03	7.878E-03	4.652E-03
Th-232	Th-228	1.000E+00	2.321E-04	1.347E-03	4.734E-03	1.230E-02	1.396E-02	1.341E-02	1.189E-02	6.991E-03
Th-232	\$DSR(j)		1.595E-03	4.913E-03	1.106E-02	2.134E-02	2.322E-02	2.230E-02	1.977E-02	1.165E-02
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\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 \$ is used to indicate summation; the Greek sigma is not included in this font.  
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

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

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

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

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Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A):	5.7300E+03 m**2	Occupancy Factor (FO2):	2.8500E-02
Area Factor (FA2):	1.6170E-01	Annual Air Intake (F12):	8.4000E+03 m**3/yr
Cover Depth [Cd(0)]:	0.0000E+00 m	Mass Loading (ASR2):	1.0000E-04 g/m**3
Contaminated Zone Thickness [T(0)]:	7.0000E-03 m	FA2 * FO2 * F12 * ASR2:	3.8710E-03 g/yr

Nuclide (i)	t=	Depth Factor [FD(i,2,t)] (dimensionless)						
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02
Pb-210+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Ra-226+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Ra-228+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-228+D	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-230	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02
Th-232	4.6667E-02	4.6647E-02	4.6607E-02	4.6467E-02	4.6067E-02	4.4667E-02	4.0667E-02	2.6667E-02

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

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









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

ONuclide (i)	t=	WLOTD(i,t) (WL)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
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Indoor Working Levels of Radon [WLIND(i,t)]

ONuclide (i)	t=	WLIND(i,t) (WL)							
		0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
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0 Fraction of Time Spent Outdoors (FOTD): 2.850E-02  
 Fraction of Time Spent Indoors (FIND): 0.000E+00

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

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

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

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

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

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

Transport Time Parameters for Unsaturated Zone Stratum No. 1

Stratum thickness [h(1)]: 1.520000 m  
 Bulk soil material density [rhob(1)]: 1.970000 g/cm\*\*3  
 Effective porosity [peuz(1)]: 0.200000  
 Hydraulic conductivity [Khuz(1)]: 10.000000 m/yr  
 Total porosity [ptuz(1)]: 0.400000  
 Soil specific b parameter [buz(1)]: 5.300000  
 Saturation ratio [sruz(1)]: 0.748097

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Pb-210	1.0000E+02	6.5934E+02	7.7645E+02
Ra-226	7.0000E+01	4.6184E+02	5.4387E+02
Ra-228	7.0000E+01	4.6184E+02	5.4387E+02
Th-228	6.0000E+04	3.9500E+05	4.6516E+05
Th-230	6.0000E+04	3.9500E+05	4.6516E+05
Th-232	6.0000E+04	3.9500E+05	4.6516E+05
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Transport Time Parameters for Unsaturated Zone Stratum No. 2

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

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Pb-210	1.0000E+02	8.1560E+02	1.7109E+03
Ra-226	7.0000E+01	5.7122E+02	1.1982E+03
Ra-228	7.0000E+01	5.7122E+02	1.1982E+03
Th-228	6.0000E+04	4.8876E+05	1.0253E+06
Th-230	6.0000E+04	4.8876E+05	1.0253E+06
Th-232	6.0000E+04	4.8876E+05	1.0253E+06
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Transport Time Parameters for Unsaturated Zone Stratum No. 3

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

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

Water table drop rate [vwt]: 0.001000 m/yr  
 Bulk soil material density [rhobaq]: 1.650000 g/cm\*\*3  
 Effective porosity [peaq]: 0.350000  
 Hydraulic conductivity [Khaq]: 300.000000 m/yr  
 Total porosity [ptaq]: 0.400000  
 Soil specific b parameter [baq]: 5.300000  
 Saturation ratio [sruaq]: 0.582567

Radio-nuclide (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time Dtuaq(i), yr
Pb-210	1.0000E+02	7.0907E+02	3.5266E+04
Ra-226	7.0000E+01	4.9665E+02	9.1448E+03
Ra-228	7.0000E+01	4.9665E+02	9.1448E+03
Th-228	6.0000E+04	4.2484E+05	Infinite
Th-230	6.0000E+04	4.2484E+05	Infinite
Th-232	6.0000E+04	4.2484E+05	Infinite
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Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model

0 Aquifer contamination depth at well (z): 3.21867E+00 m  
 Depth of water intake below water table (dw): 1.00000E+01 m  
 Infiltration rate (In): 1.93120E-01 m/yr  
 Aquifer water flow rate (Vwfr): 6.00000E+00 m/yr  
 Hydraulic gradient (J): 2.00000E-02  
 Hydraulic conductivity of aquifer (Kszh): 3.00000E+02 m/yr  
 Contaminated zone extent parallel to gradient (l): 1.00000E+02 m  
 Distance below contaminated zone to water table (h): 0.23820E+02 m  
 Initial thickness of uncontaminated cover (Cd): 0.00000E+00 m  
 Initial thickness of contaminated zone (T): 0.70000E-02 m  
 Effective porosity of saturated zone (pesz): 0.35000E+00

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

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





Storage Times For Contaminated Foodstuffs

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

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

Parent (i)	Product (j)	Branch Fraction	STOR_ID(i,j,t) = CONCE(i,j,t)/CONCE(i,i,0)									
t=			1.400E+01	1.000E+00	1.000E+00	2.000E+01	7.000E+00	7.000E+00	1.000E+00	1.000E+00	4.500E+01	
Pb-210	Pb-210	1.000E+00	9.988E-01	9.999E-01	9.999E-01	9.983E-01	9.994E-01	9.994E-01	9.999E-01	9.999E-01	9.962E-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	

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



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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

Storage Time Correction Factors  
 Irrigation Water for Leafy Plants from Well and/or Surface  
 Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

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

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



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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

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

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

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

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

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

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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01	9.988E-01
ORa-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
ORa-228	Ra-228	1.000E+00		1.000E+00	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01	9.954E-01
Ra-228	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Th-228	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CF3(j,2,t)#								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	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	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	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	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	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	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	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	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	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	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	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	1.000E+00

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

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

0Parent (i)	Product (j)	Branch Fraction*	CFLF(j,1,t)#								
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	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	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	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	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	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	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	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	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	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	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	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	2.678E+00

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

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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01	9.962E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
Ra-226	Pb-210	1.000E+00		1.000E+00	1.551E+00	1.160E+00	1.039E+00	1.006E+00	9.970E-01	9.962E-01	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01	9.853E-01
Ra-228	Th-228	1.000E+00		1.000E+00	6.490E+00	2.711E+00	1.545E+00	1.237E+00	1.161E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01	9.563E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.004E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00	1.001E+00
Th-230	Pb-210	1.000E+00		1.000E+00	2.147E+00	1.365E+00	1.129E+00	1.082E+00	1.080E+00	1.080E+00	1.080E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	9.893E-01	9.869E-01	9.863E-01	9.862E-01	9.862E-01	9.862E-01	9.862E-01
Th-232	Th-228	1.000E+00		1.000E+00	1.251E+01	4.999E+00	2.900E+00	2.678E+00	2.678E+00	2.678E+00	2.678E+00

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

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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.000E+00	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01	9.983E-01
0Ra-226	Ra-226	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00		1.000E+00	1.142E+00	1.048E+00	1.012E+00	1.002E+00	9.986E-01	9.983E-01	1.000E+00
0Ra-228	Ra-228	1.000E+00		1.000E+00	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01	9.934E-01
Ra-228	Th-228	1.000E+00		1.000E+00	2.659E+00	1.673E+00	1.236E+00	1.106E+00	1.072E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00		1.000E+00	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01	9.804E-01
0Th-230	Th-230	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00		1.000E+00	1.002E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00		1.000E+00	1.239E+00	1.100E+00	1.039E+00	1.025E+00	1.025E+00	1.025E+00	1.025E+00
0Th-232	Th-232	1.000E+00		1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00		1.000E+00	9.953E-01	9.942E-01	9.939E-01	9.939E-01	9.939E-01	9.939E-01	9.939E-01
Th-232	Th-228	1.000E+00		1.000E+00	3.538E+00	2.322E+00	1.732E+00	1.658E+00	1.658E+00	1.658E+00	1.658E+00

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



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

OParent (i)	Product (j)	Branch Fraction*	CF45(j,2,t)#							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	1.000E+00	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01	9.999E-01
0Ra-226	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	Pb-210	1.000E+00	1.000E+00	1.017E+00	1.006E+00	1.002E+00	1.000E+00	9.999E-01	9.999E-01	1.000E+00
0Ra-228	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Ra-228	Th-228	1.000E+00	1.000E+00	2.488E+00	1.609E+00	1.224E+00	1.109E+00	1.080E+00	1.000E+00	1.000E+00
0Th-228	Th-228	1.000E+00	1.000E+00	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01	9.990E-01
0Th-230	Th-230	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-230	Pb-210	1.000E+00	1.000E+00	1.030E+00	1.013E+00	1.005E+00	1.003E+00	1.003E+00	1.003E+00	1.003E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01
Th-232	Th-228	1.000E+00	1.000E+00	3.362E+00	2.213E+00	1.673E+00	1.606E+00	1.606E+00	1.606E+00	1.606E+00

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

Storage Time Correction Factors for Fish & Crustacea  
 Harvest Time = t - 1.92E-02 yr; Consumption Time = t yr

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

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



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

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

The Depth Factor Value  
FD(i,p,q,t) = 1.0000E+00

is applicable for all radionuclides(i) and times(t).

0

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

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

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)  
occur only for the meat (p=4) and milk (p=5) pathways.

0

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

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

The livestock water subpathway (q=5) and livestock soil intake subpathway (q=6)  
occur only for the meat (p=4) and milk (p=5) pathways.

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

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	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)

Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) (g/yr)							
			t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	7.270E-03	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)

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

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

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

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

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

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

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

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

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

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

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

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

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

\* - 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)  
 ETF(j,4,5,t) \* SF(j,t) (g/yr)

Parent (i)	Product (j)	DCF(j,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	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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



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

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

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

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

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

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

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

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

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

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

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

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

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)  
 Subpathway: Livestock Water (q=5)  
 ETF(j,5,5,t) \* SF(j,t) (g/yr)

Parent (i)	Product (j)	DCF(j,5) *	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
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	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
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\* - The dose conversion factor units are mrem/pCi.

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

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	0.000E+00
0Ra-226	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	5.480E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.330E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	7.270E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.440E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	8.080E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

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

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

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		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

OParent (i)	Product (j)	Branch Fraction*	t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00		1.786E-06	1.506E-06	1.069E-06	3.221E-07	1.046E-08	6.463E-14	8.400E-29	0.000E+00
ORa-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
ORa-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).  
 \$ is used to indicate summation; the Greek sigma is not included in this font.  
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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



Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)  
 Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

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		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).  
 \$ is used to indicate summation; the Greek sigma is not included in this font.  
 The DSR includes contributions from associated (half-life <= 0.5 yr) daughters.

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

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

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

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

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)  
 Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)

Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)  
 Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Meat (p=4)  
 Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

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

Parent and Progeny Principal Radionuclide Contributions Indicated

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

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



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

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

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

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

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

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)

Subpathway: 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
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: 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
Pb-210	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Ra-226	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	Pb-210	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-230	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Ra-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	Th-228	1.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	\$DSR(j)			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Dose/Source Ratios for Internal Radiation from Ingestion of Milk (p=5)  
 Total for All Subpathways

Parent and Progeny Principal Radionuclide Contributions Indicated

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

\*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)\*BRF(2)\* ... BRF(j).  
 \$ is used to indicate summation; the Greek sigma is not included in this font.

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

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

0Parent (i)	Product (j)	Branch Fraction*	DSR(j,6,t) (mrem/yr) / (pCi/g)										
			t=	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03		
Pb-210	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-226	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-228	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Ra-228	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-230	Th-230	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Ra-226	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	Pb-210	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-230	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Ra-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	Th-228	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	Th-232	\$DSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Drinking Water (p=7)  
 Parent and Progeny Principal Radionuclide Contributions Indicated

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

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

Plant/Air and Plant/Water Concentration Ratios

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

0Nuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
Pb-210	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-226	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Ra-228	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-230	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	5.4545E-02	2.6156E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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

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

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

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

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

ONuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	0.0000E+00	0.0000E+00
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Ra-228	1.0000E-03	1.0000E-03	2.8659E-01	0.0000E+00	0.0000E+00
Th-228	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-230	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00
Th-232	1.0000E-04	5.0000E-06	2.8659E-01	0.0000E+00	0.0000E+00

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















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

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

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 \*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)

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

Table of Contents

Part III: Intake Quantities and Health Risk Factors  
=====

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

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

0	Menu	Parameter	Current Value	Default	Parameter Name
	Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
	Sf-1	Pb-210+D	4.21E-09	4.21E-09	SLPF( 1,1)
	Sf-1	Ra-226+D	8.49E-06	8.49E-06	SLPF( 2,1)
	Sf-1	Ra-228+D	4.53E-06	4.53E-06	SLPF( 3,1)
	Sf-1	Th-228+D	7.79E-06	7.79E-06	SLPF( 4,1)
	Sf-1	Th-230	8.18E-10	8.18E-10	SLPF( 5,1)
	Sf-1	Th-232	3.42E-10	3.42E-10	SLPF( 6,1)
	Sf-2	Inhalation, slope factors, 1/(pCi):			
	Sf-2	Pb-210+D	3.08E-08	3.08E-08	SLPF( 1,2)
	Sf-2	Ra-226+D	2.82E-08	2.82E-08	SLPF( 2,2)
	Sf-2	Ra-228+D	4.37E-08	4.37E-08	SLPF( 3,2)
	Sf-2	Th-228+D	3.58E-07	3.58E-07	SLPF( 4,2)
	Sf-2	Th-230	3.40E-08	3.40E-08	SLPF( 5,2)
	Sf-2	Th-232	4.33E-08	4.33E-08	SLPF( 6,2)
	Sf-3	Food ingestion, slope factors, 1/(pCi):			
	Sf-3	Pb-210+D	3.44E-09	3.44E-09	SLPF( 1,3)
	Sf-3	Ra-226+D	5.14E-10	5.14E-10	SLPF( 2,3)
	Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF( 3,3)
	Sf-3	Th-228+D	4.22E-10	4.22E-10	SLPF( 4,3)
	Sf-3	Th-230	1.19E-10	1.19E-10	SLPF( 5,3)
	Sf-3	Th-232	1.33E-10	1.33E-10	SLPF( 6,3)
	Sf-3	Water ingestion, slope factors, 1/(pCi):			
	Sf-3	Pb-210+D	2.66E-09	2.66E-09	SLPF( 1,4)
	Sf-3	Ra-226+D	3.85E-10	3.85E-10	SLPF( 2,4)
	Sf-3	Ra-228+D	1.04E-09	1.04E-09	SLPF( 3,4)
	Sf-3	Th-228+D	3.00E-10	3.00E-10	SLPF( 4,4)
	Sf-3	Th-230	9.10E-11	9.10E-11	SLPF( 5,4)
	Sf-3	Th-232	1.01E-10	1.01E-10	SLPF( 6,4)
	Sf-3	Soil ingestion, slope factors, 1/(pCi):			
	Sf-3	Pb-210+D	3.44E-09	3.44E-09	SLPF( 1,5)
	Sf-3	Ra-226+D	5.14E-10	5.14E-10	SLPF( 2,5)
	Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF( 3,5)
	Sf-3	Th-228+D	4.22E-10	4.22E-10	SLPF( 4,5)
	Sf-3	Th-230	1.19E-10	1.19E-10	SLPF( 5,5)
	Sf-3	Th-232	1.33E-10	1.33E-10	SLPF( 6,5)
	Sf-Rn	Radon Inhalation slope factors, 1/(pCi):			
	Sf-Rn	Rn-222	1.80E-12	1.80E-12	SLPFRN(1,1)
	Sf-Rn	Po-218	3.70E-12	3.70E-12	SLPFRN(1,2)
	Sf-Rn	Pb-214	6.20E-12	6.20E-12	SLPFRN(1,3)
	Sf-Rn	Bi-214	1.50E-11	1.50E-11	SLPFRN(1,4)
	Sf-Rn	Rn-220	1.90E-13	1.90E-13	SLPFRN(2,1)
	Sf-Rn	Po-216	3.00E-15	3.00E-15	SLPFRN(2,2)
	Sf-Rn	Pb-212	3.90E-11	3.90E-11	SLPFRN(2,3)
	Sf-Rn	Bi-212	3.70E-11	3.70E-11	SLPFRN(2,4)

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

0	Menu	Parameter	Current Value	Default	Parameter Name
	Sf-Rn	Radon K factors, (mrem/WLM):			
	Sf-Rn	Rn-222 Indoor	7.60E+02	7.60E+02	KFACTR(1,1)
	Sf-Rn	Rn-222 Outdoor	5.70E+02	5.70E+02	KFACTR(1,2)
	Sf-Rn	Rn-220 Indoor	1.50E+02	1.50E+02	KFACTR(2,1)
	Sf-Rn	Rn-220 Outdoor	2.50E+02	2.50E+02	KFACTR(2,2)

=====

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

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	2.150E-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 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

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.754E-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

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

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

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

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

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.689E-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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.754E-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-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.934E-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 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

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.596E-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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.424E-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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.485E-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- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.547E-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  
 Radionuclides

0

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

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

0

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

0

0

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.216E-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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.276E-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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.011E-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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.054E-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- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	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

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

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.177E-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- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	1.104E-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

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 3.000E+01 years  
 Radionuclides

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.032E-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-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	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 Pathway	Rn-222	Po-218	Pb-214	Bi-214	Rn-220	Po-216	Pb-212	Bi-212
Water-ind.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Water-dep.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Total	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.590E-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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.377E-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- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	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

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 3.000E+02 years  
 Radionuclides

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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- Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	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

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of  
 Radon and its Decay Products as pCi/yr at t= 1.000E+03 years  
 Radionuclides

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

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

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

Radio- Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	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- Nuclide	Water		Fish		Plant		Meat		Milk		All Pathways**	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.172E-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  
 Radionuclides

0

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

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

0

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

0

0

Water Independent Pathways (Inhalation excludes radon)

Radio- Nuclide	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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- Nuclide	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Th-230	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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

Table of Contents

Part IV: Concentration of Radionuclides

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Concentration of radionuclides in different media

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

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

Radio- Nuclide	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	1.190E+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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	3.332E+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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	1.071E+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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	3.037E+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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	8.572E+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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	2.426E+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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.039E+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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	6.191E-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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.746E-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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.255E-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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	1.088E-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	Contaminat- ed Zone	Surface Soil*	Air Par- ticulate	Well Water	Surface Water
	pCi/g	pCi/g	pCi/m**3	pCi/L	pCi/L
Pb-210	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	Nonleafy Vegetable	Leafy Vegetable	Fodder Meat	Fodder Milk	Meat	Milk	Fish	Crustacea
	pCi/L	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/kg	pCi/L	pCi/kg	pCi/kg
Pb-210	0.000E+00	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.

Table of Contents

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

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



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

0 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	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 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	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	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	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	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	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	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	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	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 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways							
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	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 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	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	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	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	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	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	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	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	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 Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	4.15E-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	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	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	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	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	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	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	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

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	3.08E-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	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	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	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	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	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	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	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

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								ALL
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk		
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	2.81E-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	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	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	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	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	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	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	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

Radio- Nuc- lide	Water Independent Pathways						Water Dependent Pathways								
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL	
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	
Pb-210	1.90E-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	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	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	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	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	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	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	0.00E+00	5.26E+00

0\*Sum of all water independent and dependent pathways.



Table of Contents

Part VI: Uncertainty Analysis

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ORESAD Uncertainty Analysis Results

Probabilistic Input .....	2
Total Dose .....	3
Total Risk .....	4
Dose vs Pathway: Ground External .....	5
Dose vs Pathway: Inhalation (w/o Radon) .....	6
Dose vs Pathway: Radon (Water Ind.) .....	7
Dose vs Pathway: Plant (Water Ind.) .....	8
Dose vs Pathway: Meat (Water Ind.) .....	9
Dose vs Pathway: Milk (Water Ind.) .....	10
Dose vs Pathway: Soil Ingestion .....	11
Dose vs Pathway: Water Ingestion .....	12
Dose vs Pathway: Fish Ingestion .....	13
Dose vs Pathway: Radon (Water Dep.) .....	14
Dose vs Pathway: Plant (Water Dep.) .....	15
Dose vs Pathway: Meat (Water Dep.) .....	16
Dose vs Pathway: Milk (Water Dep.) .....	17
Cumulative Probability Summary.....	18
Summary of dose at graphical times, reptition 1.....	19
Summary of dose at graphical times, reptition 2.....	20
Summary of dose at graphical times, reptition 3.....	21
Summary of dose at graphical times, reptition 4.....	22
Summary of dose at graphical times, reptition 5.....	23
Peak of the mean dose at graphical times.....	24
Correlation and Regression coefficients (if any).....	25

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	

ONuclide (j)	Peak Time	Peak Dose	Probabilistic Total Dose Summary								
			t=	0.00E+00	1.00E+00	3.00E+00	DOSE(j,t), mrem/yr		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	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	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	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	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	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	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	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	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	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	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	

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\$ALL is total dose summed for all nuclides.

Probabilistic Risk Summary									
0Nuclide	RISK(j,t)								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pb-210									
Min	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	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	2.51E-06	3.18E-08	2.83E-13	0.00E+00	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	

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

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

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

0 Probabilistic Dose vs Pathway(i): Radon (Water Ind.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Plant (Water Ind.)									
0Nuclide	DOSE (i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pb-210									
Min	3.53E-04	2.22E-06	3.09E-11	6.43E-29	0.00E+00	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	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	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	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	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	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	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	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	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	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	

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



0 Probabilistic Dose vs Pathway(i): Meat (Water Ind.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Milk (Water Ind.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Soil Ingestion									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pb-210									
Min	3.72E-06	3.29E-08	3.49E-13	0.00E+00	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	

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

0 Probabilistic Dose vs Pathway(i): Water Ingestion									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pb-210									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Fish Ingestion									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Radon (Water Dep.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Plant (Water Dep.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

0 Probabilistic Dose vs Pathway(i): Meat (Water Dep.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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



0 Probabilistic Dose vs Pathway(i): Milk (Water Dep.)									
0Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-228	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-230	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th-232	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
\$ALL	Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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













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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		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	0.01	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	16	0.06	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	27	0.01	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	16	0.06	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		1		1		1		1	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

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

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

PCC SRC PRCC SRRC  
 3 3 3 3

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

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	28	0.01	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	14	-0.06	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	32	0.02	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

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

PCC SRC PRCC SRRC  
 3 3 3 3

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	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 =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	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 =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

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

PCC SRC PRCC SRRC  
 4 4 4 4

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	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 =  
 Repetition =

PCC SRC PRCC SRRC  
 3 3 3 3

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	5		5		5		5	
	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 =  
 Repetition =

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
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 =  
 Repetition =

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

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

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

PCC SRC PRCC SRRC  
 4 4 4 4

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

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

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

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
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		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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		PCC		SRC		PRCC		SRRC	
Coefficient =		5		5		5		5	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		3		3		3		3	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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 =  
 Repetition =

Description of Probabilistic Variable	PCC 3		SRC 3		PRCC 3		SRRC 3	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		4		4		4		4	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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		PCC		SRC		PRCC		SRRC	
Coefficient =		5		5		5		5	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	2		2		2		2	
	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 =  
 Repetition =

PCC 3 SRC 3 PRCC 3 SRRC 3

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	14	-0.06	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 = Repetition =	PCC		SRC		PRCC		SRRC	
	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =		4		4		4		4	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		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 =  
 Repetition =

Description of Probabilistic Variable	PCC 5		SRC 5		PRCC 5		SRRC 5	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	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		PCC		SRC		PRCC		SRRC	
Coefficient =	Repetition =	1	1	1	1	1	1	1	1
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
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		PCC		SRC		PRCC		SRRC	
Coefficient =		2		2		2		2	
Repetition =									
Description of Probabilistic Variable		Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2		0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3		0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity		0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed		0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient		0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate		0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation		0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction		0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion		0	0.00	0	0.00	0	0.00	0	0.00
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 =  
 Repetition =

PCC 3      SRC 3      PRCC 3      SRRC 3

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

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	4		4		4		4	
	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 =  
 Repetition =

Description of Probabilistic Variable	PCC		SRC		PRCC		SRRC	
	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Contaminated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Saturated Zone	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-228 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-230 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Kd of Th-232 in Unsaturated Zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Hydraulic Conductivity of Unsaturated zone 3	0	0.00	0	0.00	0	0.00	0	0.00
Saturated zone hydraulic conductivity	0	0.00	0	0.00	0	0.00	0	0.00
Evapotranspiration coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Outdoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
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.