APPENDIX A

RESRAD REPORTS—RESIDENT FARMER
THORIUM & RADIUM

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Dose Conversion Factor (and Related) Parameter Summary
Dose Library: FGR 11

0 Menu	Parameter	Current Value#	Base Case*	Parameter Name
A-1	DCF's for external ground radiation, (mrem/yr)/(pCi/g)			
A-1	Ac-228 (Source: FGR 12)	5.978E+00	5.978E+00	DCF1(1)
A-1	Bi-212 (Source: FGR 12)	1.171E+00	1.171E+00	DCF1(2)
A-1	Pb-212 (Source: FGR 12)	7.043E-01	7.043E-01	DCF1(3)
A-1	Po-212 (Source: FGR 12)	0.000E+00	0.000E+00	DCF1(4)
A-1	Po-216 (Source: FGR 12)	1.042E-04	1.042E-04	DCF1(5)
A-1	Ra-224 (Source: FGR 12)	5.119E-02	5.119E-02	DCF1(6)
A-1	Ra-228 (Source: FGR 12)	0.000E+00	0.000E+00	DCF1(7)
A-1	Rn-220 (Source: FGR 12)	2.298E-03	2.298E-03	DCF1(8)
A-1	Th-228 (Source: FGR 12)	7.940E-03	7.940E-03	DCF1(9)
A-1	Th-232 (Source: FGR 12)	5.212E-04	5.212E-04	DCF1(10)
A-1	Tl-208 (Source: FGR 12)	2.298E+01	2.298E+01	DCF1(11)
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Ra-228+D	5.078E-03	4.770E-03	DCF2(1)
B-1	Th-228+D	3.454E-01	3.420E-01	DCF2(2)
B-1	Th-232	1.640E+00	1.640E+00	DCF2(3)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Ra-228+D	1.442E-03	1.440E-03	DCF3(1)
D-1	Th-228+D	8.086E-04	3.960E-04	DCF3(2)
D-1	Th-232	2.730E-03	2.730E-03	DCF3(3)
D-34	Food transfer factors:			
D-34	Ra-228+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(1,1)
D-34	Ra-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(1,2)
D-34	Ra-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(1,3)
D-34				
D-34	Th-228+D , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(2,1)
D-34	Th-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(2,2)
D-34	Th-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(2,3)
D-34				
D-34	Th-232 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(3,1)
D-34	Th-232 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(3,2)
D-34	Th-232 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(3,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ra-228+D , fish	5.000E+01	5.000E+01	BIOFAC(1,1)
D-5	Ra-228+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(1,2)
D-5				
D-5	Th-228+D , fish	1.000E+02	1.000E+02	BIOFAC(2,1)
D-5	Th-228+D , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(2,2)

Dose Conversion Factor (and Related) Parameter Summary (continued)
Dose Library: FGR 11

0 Menu	Parameter	Current Value#	Base Case*	Parameter Name
D-5	Th-232 , fish	1.000E+02	1.000E+02	BIOFAC(3,1)
D-5	Th-232 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(3,2)

#For DCF1(xxx) only, factors are for infinite depth & area. See ETFG table in Ground Pathway of Detailed Report.
*Base Case means Default.Lib w/o Associate Nuclide contributions.

Site-Specific Parameter Summary

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	2.023E+06	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	1.500E-01	2.000E+00	---	THICK0
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	1.900E+01	3.000E+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): Ra-228	4.030E+00	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Th-228	4.030E+00	0.000E+00	---	S1(2)
R012	Initial principal radionuclide (pCi/g): Th-232	4.030E+00	0.000E+00	---	S1(3)
R012	Concentration in groundwater (pCi/L): Ra-228	not used	0.000E+00	---	W1(1)
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00	---	W1(2)
R012	Concentration in groundwater (pCi/L): Th-232	not used	0.000E+00	---	W1(3)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	3.160E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.00E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.120E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	1.00E+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)	1.500E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	2.000E-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)	1.000E+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)	2.500E+02	2.500E+02	---	UW
R015	Number of unsaturated zone strata	2	1	---	NS
R015	Unsat. zone 1, thickness (m)	2.000E+00	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+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)	1.500E+00	1.500E+00	---	DENSUZ(2)
R015	Unsat. zone 2, total porosity	4.000E-01	4.000E-01	---	TPUZ(2)
R015	Unsat. zone 2, effective porosity	2.000E-01	2.000E-01	---	EPUZ(2)
R015	Unsat. zone 2, field capacity	2.000E-01	2.000E-01	---	FCUZ(2)
R015	Unsat. zone 2, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(2)
R015	Unsat. zone 2, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ(2)
R016	Distribution coefficients for Ra-228				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(1,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(1,2)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.469E-02	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for Th-228				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(2,1)
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(2,2)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	4.059E-05	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R016	Distribution coefficients for Th-232				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(3)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(3,1)

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R016	Unsaturated zone 2 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(3,2)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS(3)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	4.059E-05	ALEACH(3)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(3)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.000E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS
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)	1.460E+02	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R018	Other seafood consumption (kg/yr)	0.000E+00	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	5.840E+02	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	-1	-1	0.500E+00	FPLANT
R018	Contamination fraction of meat	-1	-1	0.100E+01	FMEAT
R018	Contamination fraction of milk	-1	-1	0.100E+01	FMILK
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
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)	9.000E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	1.000E+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)	1.100E+00	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)	8.000E-02	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	1.000E+00	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	2.500E-01	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	2.500E-01	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

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
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
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR_T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR_T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR_T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR_T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR_T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)
TITL	Number of graphical time points	128	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

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

```
      Contaminated Zone Dimensions            Initial Soil Concentrations, pCi/g
      ____________________________            __________________________________

        Area:2023400.00 square meters                Ra-228     4.030E+00
   Thickness:      0.15 meters                       Th-228     4.030E+00
 Cover Depth:      0.00 meters                       Th-232     4.030E+00
0
                                     Total Dose TDOSE(t), mrem/yr
                                Basic Radiation Dose Limit = 1.900E+01 mrem/yr
              Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)
              ________________________________________________________________________

    t (years):  0.000E+00  1.000E+00  3.000E+00  1.000E+01  3.000E+01  1.000E+02  3.000E+02  1.000E+03
     TDOSE(t):  3.782E+01  3.702E+01  3.535E+01  3.107E+01  2.692E+01  1.604E+01  0.000E+00  0.000E+00
         M(t):  1.991E+00  1.948E+00  1.861E+00  1.635E+00  1.417E+00  8.441E-01  0.000E+00  0.000E+00
0Maximum TDOSE(t):  3.782E+01 mrem/yr   at t = 0.000E+00 years
```

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	1.451E+01	0.3837	2.059E-02	0.0005	0.000E+00	0.0000	3.142E+00	0.0831	3.285E-01	0.0087	6.811E-01	0.0180	1.605E-01	0.0042
Th-228	1.657E+01	0.4382	1.039E-01	0.0027	0.000E+00	0.0000	3.992E-02	0.0011	8.789E-03	0.0002	1.014E-03	0.0000	7.459E-02	0.0020
Th-232	8.383E-01	0.0222	5.887E-01	0.0156	0.000E+00	0.0000	3.427E-01	0.0091	5.173E-02	0.0014	4.213E-02	0.0011	3.098E-01	0.0082
Total	3.193E+01	0.8441	7.131E-01	0.0189	0.000E+00	0.0000	3.525E+00	0.0932	3.890E-01	0.0103	7.242E-01	0.0191	5.449E-01	0.0144

0

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	1.885E+01	0.4983
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	1.680E+01	0.4442
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	2.173E+00	0.0575
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.782E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	1.703E+01	0.4601	4.642E-02	0.0013	0.000E+00	0.0000	2.687E+00	0.0726	2.825E-01	0.0076	5.798E-01	0.0157	1.572E-01	0.0042
Th-228	1.151E+01	0.3109	7.180E-02	0.0019	0.000E+00	0.0000	2.760E-02	0.0007	6.077E-03	0.0002	7.008E-04	0.0000	5.157E-02	0.0014
Th-232	2.758E+00	0.0745	5.889E-01	0.0159	0.000E+00	0.0000	6.881E-01	0.0186	8.741E-02	0.0024	1.168E-01	0.0032	3.269E-01	0.0088
Total	3.130E+01	0.8455	7.071E-01	0.0191	0.000E+00	0.0000	3.403E+00	0.0919	3.760E-01	0.0102	6.972E-01	0.0188	5.357E-01	0.0145

0

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	2.079E+01	0.5615
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	1.167E+01	0.3151
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	4.566E+00	0.1234
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.702E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	1.741E+01	0.4925	6.438E-02	0.0018	0.000E+00	0.0000	1.955E+00	0.0553	2.069E-01	0.0059	4.196E-01	0.0119	1.358E-01	0.0038
Th-228	5.547E+00	0.1569	3.432E-02	0.0010	0.000E+00	0.0000	1.319E-02	0.0004	2.904E-03	0.0001	3.349E-04	0.0000	2.465E-02	0.0007
Th-232	6.976E+00	0.1973	5.948E-01	0.0168	0.000E+00	0.0000	1.230E+00	0.0348	1.444E-01	0.0041	2.338E-01	0.0066	3.578E-01	0.0101
Total	2.993E+01	0.8467	6.935E-01	0.0196	0.000E+00	0.0000	3.198E+00	0.0905	3.542E-01	0.0100	6.537E-01	0.0185	5.183E-01	0.0147

0

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	2.019E+01	0.5712
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	5.623E+00	0.1591
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	9.537E+00	0.2698
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.535E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	8.232E+00	0.2650	3.544E-02	0.0011	0.000E+00	0.0000	6.338E-01	0.0204	6.772E-02	0.0022	1.349E-01	0.0043	5.424E-02	0.0017
Th-228	4.310E-01	0.0139	2.586E-03	0.0001	0.000E+00	0.0000	9.941E-04	0.0000	2.189E-04	0.0000	2.524E-05	0.0000	1.858E-03	0.0001
Th-232	1.764E+01	0.5680	6.097E-01	0.0196	0.000E+00	0.0000	2.133E+00	0.0687	2.398E-01	0.0077	4.282E-01	0.0138	4.157E-01	0.0134
Total	2.631E+01	0.8468	6.477E-01	0.0209	0.000E+00	0.0000	2.768E+00	0.0891	3.078E-01	0.0099	5.632E-01	0.0181	4.718E-01	0.0152

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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	9.158E+00	0.2948
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	4.367E-01	0.0141
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	2.147E+01	0.6911
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.107E+01	1.0000

*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	3.785E-01	0.0141	1.532E-03	0.0001	0.000E+00	0.0000	2.441E-02	0.0009	2.616E-03	0.0001	5.185E-03	0.0002	2.206E-03	0.0001
Th-228	2.881E-04	0.0000	1.578E-06	0.0000	0.000E+00	0.0000	6.066E-07	0.0000	1.336E-07	0.0000	1.540E-08	0.0000	1.133E-06	0.0000
Th-232	2.263E+01	0.8409	5.460E-01	0.0203	0.000E+00	0.0000	2.229E+00	0.0828	2.484E-01	0.0092	4.523E-01	0.0168	3.914E-01	0.0145
Total	2.301E+01	0.8550	5.475E-01	0.0203	0.000E+00	0.0000	2.254E+00	0.0837	2.511E-01	0.0093	4.575E-01	0.0170	3.936E-01	0.0146

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.144E-01	0.0154
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	2.916E-04	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.650E+01	0.9846
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	2.692E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	4.553E-06	0.0000	1.214E-08	0.0000	0.000E+00	0.0000	1.931E-07	0.0000	2.072E-08	0.0000	4.103E-08	0.0000	1.746E-08	0.0000
Th-228	1.737E-15	0.0000	6.304E-18	0.0000	0.000E+00	0.0000	2.424E-18	0.0000	5.339E-19	0.0000	6.153E-20	0.0000	4.528E-18	0.0000
Th-232	1.443E+01	0.8996	2.260E-01	0.0141	0.000E+00	0.0000	9.290E-01	0.0579	1.036E-01	0.0065	1.886E-01	0.0118	1.624E-01	0.0101
Total	1.443E+01	0.8996	2.260E-01	0.0141	0.000E+00	0.0000	9.290E-01	0.0579	1.036E-01	0.0065	1.886E-01	0.0118	1.624E-01	0.0101

0

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

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.837E-06	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	1.751E-15	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.604E+01	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.604E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0*Sum of all water independent and dependent pathways.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	3.912E+00	3.338E+00	2.431E+00	8.002E-01	3.310E-02	3.700E-07	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	7.649E-01	1.819E+00	2.580E+00	1.472E+00	6.973E-02	8.303E-07	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		4.677E+00	5.158E+00	5.011E+00	2.272E+00	1.028E-01	1.200E-06	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	4.169E+00	2.895E+00	1.395E+00	1.084E-01	7.235E-05	4.345E-16	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	2.703E-01	2.685E-01	2.648E-01	2.521E-01	2.159E-01	8.930E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	2.368E-01	6.706E-01	1.353E+00	2.541E+00	2.890E+00	1.703E+00	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.219E-02	1.940E-01	7.483E-01	2.535E+00	3.470E+00	2.188E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		5.393E-01	1.133E+00	2.366E+00	5.328E+00	6.576E+00	3.980E+00	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 1.900E+01 mrem/yr

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228	4.063E+00	3.684E+00	3.792E+00	8.361E+00	1.848E+02	1.583E+07	*2.726E+14	*2.726E+14
Th-228	4.557E+00	6.564E+00	1.362E+01	1.753E+02	2.626E+05	*8.195E+14	*8.195E+14	*8.195E+14
Th-232	3.523E+01	1.677E+01	8.029E+00	3.566E+00	2.889E+00	4.774E+00	*1.097E+05	*1.097E+05

*At specific activity limit

0

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

0Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Ra-228	4.030E+00	1.648 ± 0.003	5.229E+00	3.633E+00	4.677E+00	4.063E+00
Th-228	4.030E+00	0.000E+00	4.169E+00	4.557E+00	4.169E+00	4.557E+00
Th-232	4.030E+00	25.24 ± 0.05	6.617E+00	2.872E+00	5.393E-01	3.523E+01

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

0Nuclide (j)	Parent (i)	THF(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
Ra-228	Ra-228	1.000E+00	1.576E+01	1.345E+01	9.797E+00	3.225E+00	1.334E-01	1.491E-06	0.000E+00	0.000E+00
Ra-228	Th-232	1.000E+00	9.544E-01	2.702E+00	5.454E+00	1.024E+01	1.165E+01	6.861E+00	0.000E+00	0.000E+00
Ra-228	ΣDOSE(j)		1.672E+01	1.616E+01	1.525E+01	1.346E+01	1.178E+01	6.861E+00	0.000E+00	0.000E+00
0Th-228	Ra-228	1.000E+00	3.082E+00	7.332E+00	1.040E+01	5.933E+00	2.810E-01	3.346E-06	0.000E+00	0.000E+00
Th-228	Th-228	1.000E+00	1.680E+01	1.167E+01	5.623E+00	4.367E-01	2.916E-04	1.751E-15	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	1.297E-01	7.820E-01	3.016E+00	1.022E+01	1.398E+01	8.817E+00	0.000E+00	0.000E+00
Th-228	ΣDOSE(j)		2.001E+01	1.978E+01	1.903E+01	1.659E+01	1.427E+01	8.817E+00	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	1.089E+00	1.082E+00	1.067E+00	1.016E+00	8.699E-01	3.599E-01	0.000E+00	0.000E+00

THF(i) is the thread fraction of the parent nuclide.

Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

0Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228	Ra-228	1.000E+00	4.030E+00	3.451E+00	2.530E+00	8.534E-01	3.826E-02	7.304E-07	2.399E-20	0.000E+00
Ra-228	Th-232	1.000E+00	0.000E+00	4.500E-01	1.165E+00	2.466E+00	3.097E+00	3.118E+00	3.092E+00	3.006E+00
Ra-228	ΣS(j):		4.030E+00	3.901E+00	3.695E+00	3.320E+00	3.135E+00	3.118E+00	3.092E+00	3.006E+00
0Th-228	Ra-228	1.000E+00	0.000E+00	1.129E+00	2.048E+00	1.305E+00	6.680E-02	1.278E-06	4.197E-20	0.000E+00
Th-228	Th-228	1.000E+00	4.030E+00	2.805E+00	1.359E+00	1.075E-01	7.660E-05	7.385E-16	0.000E+00	0.000E+00
Th-228	Th-232	1.000E+00	0.000E+00	7.426E-02	4.837E-01	2.032E+00	3.075E+00	3.118E+00	3.092E+00	3.006E+00
Th-228	ΣS(j):		4.030E+00	4.008E+00	3.890E+00	3.444E+00	3.141E+00	3.118E+00	3.092E+00	3.006E+00
0Th-232	Th-232	1.000E+00	4.030E+00	4.030E+00	4.030E+00	4.028E+00	4.025E+00	4.014E+00	3.981E+00	3.870E+00

THF(i) is the thread fraction of the parent nuclide.
0RESCALC.EXE execution time = 94.47 seconds

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Iteration Log for Computation of the Time of Maximum Ra-228 Dose/Source Ratio
Pathway: Ground
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	2.08772E+00	4.40991E+00		
1	2.09258E+00	4.40991E+00	4.85569E-03	parabolic
2	2.09467E+00	4.40991E+00	2.09258E-03	parabolic
3	2.09048E+00	4.40991E+00	-2.09258E-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 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	3.47523E+00	1.60833E-02		
1	3.45971E+00	1.60835E-02	-1.55165E-02	parabolic
2	3.45625E+00	1.60835E-02	-2.92768E-03	parabolic
3	3.45280E+00	1.60835E-02	-3.45625E-03	parabolic
4	3.45625E+00	1.60835E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-228 Dose/Source Ratio
All Pathways Summed
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	1.66461E+00	5.22918E+00		
1	1.65015E+00	5.22921E+00	-1.44595E-02	parabolic
2	1.64850E+00	5.22921E+00	-5.66608E-04	parabolic
3	1.64685E+00	5.22921E+00	-1.64850E-03	parabolic
4	1.64850E+00	5.22921E+00	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Th-232 Dose/Source Ratio
Pathway: Ground
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	2.66827E+01	5.63068E+00		
1	2.68346E+01	5.63069E+00	1.51966E-01	parabolic
2	2.67804E+01	5.63069E+00	-5.42510E-02	parabolic
3	2.67536E+01	5.63069E+00	-1.93013E-03	parabolic
4	2.68072E+01	5.63069E+00	2.67804E-02	parabolic
5	2.67804E+01	5.63069E+00	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: 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	9.62956E+00	1.51291E-01		
1	9.80098E+00	1.51294E-01	1.71419E-01	parabolic
2	9.79118E+00	1.51294E-01	-3.29015E-04	parabolic
3	9.78139E+00	1.51294E-01	-9.79118E-03	parabolic
4	9.79118E+00	1.51294E-01	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	1.89972E+01	5.81136E-01		
1	1.89256E+01	5.81140E-01	-7.15140E-02	parabolic
2	1.88986E+01	5.81140E-01	-2.70166E-02	parabolic
3	1.88797E+01	5.81140E-01	-1.88986E-02	parabolic
4	1.88986E+01	5.81140E-01	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: Meat (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	1.89972E+01	6.48621E-02		
1	1.86780E+01	6.48669E-02	-3.19115E-01	parabolic
2	1.86594E+01	6.48669E-02	-1.48500E-02	parabolic
3	1.86407E+01	6.48669E-02	-1.86594E-02	parabolic
4	1.86594E+01	6.48669E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Th-232 Dose/Source Ratio
Pathway: Milk (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	1.89972E+01	1.17680E-01		
1	1.92070E+01	1.17682E-01	2.09891E-01	parabolic
2	1.91820E+01	1.17682E-01	-2.50551E-02	parabolic
3	1.91628E+01	1.17682E-01	-1.91820E-02	parabolic
4	1.91820E+01	1.17682E-01	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Th-232 Dose/Source Ratio
Pathway: Soil
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	DSR(t) (mrem/yr)/(pCi/g)	Step Size (years)	Step Type
0	1.43132E+01	1.04977E-01		
1	1.47124E+01	1.04987E-01	3.99151E-01	parabolic
2	1.46977E+01	1.04987E-01	-1.09620E-03	parabolic
3	1.47271E+01	1.04987E-01	1.47124E-02	parabolic
4	1.47124E+01	1.04987E-01	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	2.52139E+01	6.61669E+00		
1	2.52783E+01	6.61668E+00	6.44508E-02	parabolic
2	2.51886E+01	6.61668E+00	-2.52139E-02	parabolic
3	2.52391E+01	6.61669E+00	2.52139E-02	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.

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

0 Parent (i)	Product (j)	Thread Fraction	ID(j,t) = THF(j)*S1(j,t)/S1(i,0) At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	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+D	Th-228+D	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-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+D	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+D	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

0

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

0 Parent (i)	Product (j)	Thread Fraction	SF(j,t) = THF(j)*S1(j,t)/S1(i,0) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	1.000E+00	8.562E-01	6.277E-01	2.118E-01	9.495E-03	1.812E-07	5.954E-21	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	2.802E-01	5.082E-01	3.237E-01	1.658E-02	3.170E-07	1.041E-20	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	1.000E+00	6.960E-01	3.372E-01	2.669E-02	1.901E-05	1.832E-16	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.996E-01	9.988E-01	9.959E-01	9.879E-01	9.602E-01
Th-232	Ra-228+D	1.000E+00	0.000E+00	1.117E-01	2.891E-01	6.120E-01	7.684E-01	7.736E-01	7.674E-01	7.459E-01
Th-232	Th-228+D	1.000E+00	0.000E+00	1.843E-02	1.200E-01	5.043E-01	7.629E-01	7.736E-01	7.674E-01	7.459E-01

The effect of volatilization was also considered when computing the source factors for H-3 and C-14.

Parameters Used for Calculating Cover Depth and Contaminated Zone Thicknesses

```
0            Cover Erosion rate (vcv):  0.001000 m/yr
 Contaminated Zone Erosion rate (vcz):  0.001000 m/yr
          Water Table Drop rate (vwt):  0.001000 m/yr
              Precipitation rate (Pr):  1.120000 m/yr
              Cover Removal Time (Tc): 0.000E+00 yr
 Overhead irrigation rate (Irr):  0.200 m/yr            Runoff coefficient (Cr):  0.200
 Evapotranspiration coeff. (Ce):  0.500                  Infiltration rate (In):  0.548 m/yr
       Bulk soil density (rhob):  1.500 g/cm**3         Effective porosity (pe):  0.000
```

0

Radio-nuclide (i)	Distribution Coefficient Kd(i),cm**3/g	Leaching Ratio q(i)
Ra-228	7.000000E+01	3.068E-03
Th-228	6.000000E+04	3.590E-06
Th-232	6.000000E+04	3.590E-06

0

Time Dependence of Source Geometry

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

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

0

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

Nuclide (i)	T(i,t) (meters) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
Th-228	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00
Th-232	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	5.0000E-02	0.0000E+00	0.0000E+00

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

Occupancy Factor (FO1): 0.600
Area (A): 2023400. sq. meters
Initial cover depth (Cd): 0.000 meters
Initial contaminated zone thickness (T): 0.150 meters

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	FCTR_COV_DEPTH(i,t) (dimensionless)							
Ac-228	8.594E-01	8.576E-01	8.540E-01	8.408E-01	7.957E-01	5.117E-01	0.000E+00	0.000E+00
Bi-212	8.661E-01	8.644E-01	8.608E-01	8.477E-01	8.029E-01	5.136E-01	0.000E+00	0.000E+00
Pb-212	9.514E-01	9.504E-01	9.484E-01	9.408E-01	9.123E-01	6.530E-01	0.000E+00	0.000E+00
Po-212	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Po-216	8.735E-01	8.718E-01	8.684E-01	8.557E-01	8.121E-01	5.266E-01	0.000E+00	0.000E+00
Ra-224	9.459E-01	9.448E-01	9.427E-01	9.345E-01	9.041E-01	6.362E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Rn-220	8.956E-01	8.941E-01	8.909E-01	8.792E-01	8.384E-01	5.526E-01	0.000E+00	0.000E+00
Th-228	9.727E-01	9.721E-01	9.708E-01	9.655E-01	9.450E-01	7.169E-01	0.000E+00	0.000E+00
Th-232	9.924E-01	9.922E-01	9.917E-01	9.897E-01	9.807E-01	8.287E-01	0.000E+00	0.000E+00
Tl-208	7.809E-01	7.789E-01	7.746E-01	7.592E-01	7.091E-01	4.363E-01	0.000E+00	0.000E+00

0

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	FCTR_AREA(i,t) (dimensionless)							
Ac-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
Bi-212	9.998E-01	9.998E-01	9.998E-01	9.998E-01	9.998E-01	9.998E-01	1.000E+00	1.000E+00
Pb-212	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Po-212	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Po-216	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-224	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Rn-220	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-228	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-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
Tl-208	9.985E-01	9.985E-01	9.985E-01	9.986E-01	9.987E-01	9.993E-01	1.000E+00	1.000E+00

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

0Nuclide (i)	DCF(i,1)*	ETFG(i,t) At Time in Years (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
Ac-228	5.978E+00	5.156E-01	5.146E-01	5.124E-01	5.045E-01	4.774E-01	3.070E-01	0.000E+00	0.000E+00
Bi-212	1.171E+00	5.195E-01	5.185E-01	5.164E-01	5.085E-01	4.816E-01	3.081E-01	0.000E+00	0.000E+00
Pb-212	7.043E-01	5.708E-01	5.702E-01	5.690E-01	5.645E-01	5.474E-01	3.918E-01	0.000E+00	0.000E+00
Po-212	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Po-216	1.042E-04	5.241E-01	5.231E-01	5.211E-01	5.134E-01	4.872E-01	3.159E-01	0.000E+00	0.000E+00
Ra-224	5.119E-02	5.675E-01	5.669E-01	5.656E-01	5.607E-01	5.425E-01	3.817E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Rn-220	2.298E-03	5.374E-01	5.364E-01	5.346E-01	5.275E-01	5.031E-01	3.316E-01	0.000E+00	0.000E+00
Th-228	7.940E-03	5.836E-01	5.833E-01	5.825E-01	5.793E-01	5.670E-01	4.302E-01	0.000E+00	0.000E+00
Th-232	5.212E-04	5.955E-01	5.953E-01	5.950E-01	5.938E-01	5.884E-01	4.972E-01	0.000E+00	0.000E+00
Tl-208	2.298E+01	4.679E-01	4.666E-01	4.641E-01	4.549E-01	4.249E-01	2.616E-01	0.000E+00	0.000E+00

* - Units are (mrem/yr)/(pCi/g) at infinite depth and area. Multiplication by ETFG(i,t) converts to site conditions.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,1,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	2.852E+00	2.437E+00	1.779E+00	5.908E-01	2.506E-02	3.063E-07	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	7.491E-01	1.789E+00	2.541E+00	1.452E+00	6.885E-02	8.234E-07	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		3.601E+00	4.227E+00	4.320E+00	2.043E+00	9.391E-02	1.130E-06	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	4.113E+00	2.856E+00	1.377E+00	1.069E-01	7.149E-05	4.311E-16	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	3.103E-04	3.102E-04	3.100E-04	3.093E-04	3.062E-04	2.573E-04	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	1.763E-01	4.937E-01	9.946E-01	1.880E+00	2.191E+00	1.411E+00	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.140E-02	1.904E-01	7.361E-01	2.498E+00	3.425E+00	2.169E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		2.080E-01	6.844E-01	1.731E+00	4.378E+00	5.616E+00	3.580E+00	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,2,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	4.183E-04	3.558E-04	2.573E-04	8.266E-05	3.175E-06	2.511E-11	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	4.690E-03	1.116E-02	1.572E-02	8.711E-03	3.770E-04	2.987E-09	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		5.109E-03	1.152E-02	1.597E-02	8.794E-03	3.802E-04	3.012E-09	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	2.577E-02	1.782E-02	8.515E-03	6.417E-04	3.915E-07	1.564E-18	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	1.459E-01	1.449E-01	1.429E-01	1.360E-01	1.164E-01	4.810E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	2.584E-05	7.206E-05	1.438E-04	2.630E-04	2.776E-04	1.157E-04	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	1.965E-04	1.187E-03	4.552E-03	1.499E-02	1.875E-02	7.867E-03	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		1.461E-01	1.461E-01	1.476E-01	1.513E-01	1.355E-01	5.608E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A):	2.0234E+06 m**2	Occupancy Factor (FO2):	4.5000E-01
Area Factor (FA2):	2.3607E-01	Annual Air Intake (F12):	8.4000E+03 m**3/yr
Cover Depth [Cd(0)]:	0.0000E+00 m	Mass Loading (ASR2):	1.0000E-04 g/m**3
Contaminated Zone Thickness [T(0)]:	1.5000E-01 m	FA2 * FO2 * F12 * ASR2:	8.9233E-02 g/yr

Nuclide (i)	t= 0.000E+00	1.000E+00	Depth Factor [FD(i,2,t)] (dimensionless) 3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00
Th-228	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00
Th-232	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00

0

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

0 Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	5.078E-03	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	3.454E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	3.454E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
0Th-232	Th-232	1.640E+00	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	5.078E-03	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	3.454E-01	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	2.974E-02	0.000E+00	0.000E+00

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

Parameters Used for Calculating Indoor and Outdoor Radon Flux

0

	*Floor Material	Cover Material	Contaminated Zone
Radon Diffusion Coefficient (m**2/s)	3.000E-07	2.000E-06	2.000E-06
Total Porosity	1.000E-01	4.000E-01	4.000E-01
Volumetric Water Content	3.000E-02	5.000E-02	3.231E-01
Bulk Density (g/cm**3)	2.400E+00	1.500E+00	1.500E+00
Rn-220 Emanation Coefficient	1.500E-01	1.500E-01	1.500E-01
Initial Thickness (m)	1.500E-01	0.000E+00	1.500E-01

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

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

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

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

0* - Parameters are used only for indoor radon flux

0

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

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

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

0

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

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

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

Parameters Used for Calculating Indoor and Outdoor Radon Concentration

```
Radon Vertical Dimension of Mixing (HMIX):  2.000E+00  (m)
         Average Annual Wind Speed (WIND):  3.160E+00  (m/sec)
               Building Room Height (HRM):  2.500E+00  (m)
          Building Air Exchange Rate (REXG):  5.000E-01  (1/hr)
```

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

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

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

0
0 Time Dependence of Indoor Radon Concentration [HCONC(i,r)]

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

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

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

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	WLOTD(i,t) (WL)							
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0

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

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	WLIND(i,t) (WL)							
Ra-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-228	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
Th-232	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0

0 Fraction of Time Spent Outdoors (FOTD): 2.500E-01
Fraction of Time Spent Indoors (FIND): 5.000E-01

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,9,t) - DSRRNW(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSRRNW(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

Transport Time Parameters for Unsaturated Zone Stratum No. 1

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

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Ra-228	7.0000E+01	3.2599E+02	1.9220E+02
Th-228	6.0000E+04	2.7856E+05	1.6423E+05
Th-232	6.0000E+04	2.7856E+05	1.6423E+05

0

Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]:	4.000000	m
Bulk soil material density [rhob(2)]:	1.500000	g/cm**3
Effective porosity [peuz(2)]:	0.200000	
Hydraulic conductivity [Khuz(2)]:	10.000000	m/yr
Total porosity [ptuz(2)]:	0.400000	
Soil specific b parameter [buz(2)]:	5.300000	
Saturation ratio [sruz(2)]:	0.807725	

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Ra-228	7.0000E+01	3.2599E+02	3.8439E+02
Th-228	6.0000E+04	2.7856E+05	3.2847E+05
Th-232	6.0000E+04	2.7856E+05	3.2847E+05

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

Water table drop rate [vwt]:	0.001000	m/yr
Bulk soil material density [rhobaq]:	1.500000	g/cm**3
Effective porosity [peaq]:	0.200000	
Hydraulic conductivity [Khaq]:	100.000000	m/yr
Total porosity [ptaq]:	0.400000	
Soil specific b parameter [baq]:	5.300000	
Saturation ratio [sruaq]:	0.681921	

Radio-nuclide (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time Dtuaq(i), yr
Ra-228	7.0000E+01	3.8594E+02	6.1267E+01
Th-228	6.0000E+04	3.2995E+05	Infinite
Th-232	6.0000E+04	3.2995E+05	Infinite

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         Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model
0                     Aquifer contamination depth at well (z):  2.74000E+01 m
                Depth of water intake below water table (dw):  1.00000E+01 m
                                   Infiltration rate (In):  5.48000E-01 m/yr
                             Aquifer water flow rate (Vwfr):  2.00000E+00 m/yr
                                   Hydraulic gradient (J):  2.00000E-02
                     Hydraulic conductivity of aquifer (Kszh):  1.00000E+02 m/yr
           Contaminated zone extent parallel to gradient (l):  1.00000E+02 m
         Distance below contaminated zone to water table (h):  0.60000E+01 m
              Initial thickness of uncontaminated cover (Cd):  0.00000E+00 m
                  Initial thickness of contaminated zone (T):  0.15000E+00 m
                 Effective porosity of saturated zone (pesz):  0.20000E+00
```

0 Radio- nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdsz(i)	Horizontal Transport Time	Onsite Tauh(i), yr	Rise Time dt(i), yr	Decay Time Parameter 1/lamda(i),yr
Ra-228	1.000E+00	2.635E+02		2.635E+03	9.617E+02	8.295E+00
Th-228	1.000E+00	2.250E+05		2.250E+06	8.212E+05	2.760E+00
Th-232	1.000E+00	2.250E+05		2.250E+06	8.212E+05	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):  1.500 g/cm**3
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0 Radio- nuclide (i)	Dilution Factor f(i)	Retardation Factor Rdcz(i)	Breakthrough Time Chain year	Single Nuclide Dt(i), yr	Rise Time dt(i), yr
Ra-228	1.000E+00	3.260E+02	6.379E+02	6.379E+02	9.617E+02
Th-228	1.000E+00	2.786E+05	6.379E+02	Infinite	8.212E+05
Th-232	1.000E+00	2.786E+05	Infinite	Infinite	8.212E+05

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

0 Parent (i)	Product (j)	Thread Fraction	WSR(j,1,t) At Time in Years (pCi/L)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0 Watershed Area (Aw) = 1.0000E+06 m**2
Contaminated Zone Area (A) = 2.0234E+06 m**2
Dilution Factor (f') = 2.0234E+00
Soil Density (rhob) = 1.5000E+00 kg/m**3

0 Parent (i)	Product (j)	Thread Fraction	WSR(j,2,t) At Time in Years (pCi/L)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Storage Times For Contaminated Foodstuffs

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

0

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

Parent (i)	Product (j)	Thread 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
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-232	Th-232	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Th-232	Ra-228	1.000E+00	4.610E-03	3.300E-04	3.300E-04	6.579E-03	2.308E-03	2.308E-03	3.300E-04	3.300E-04	1.474E-02
Th-232	Th-228	1.000E+00	3.189E-05	1.636E-07	1.636E-07	6.490E-05	7.996E-06	7.996E-06	1.636E-07	1.636E-07	3.250E-04

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

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,1)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,2)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,3)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,3)# At Time in 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
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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,5)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,7)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,4)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,6)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CF3(j,1,t)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CF3(j,2,t)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFLF(j,1,t)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	1.000E+00	7.045E+00	3.110E+00	2.053E+00	1.911E+00	1.910E+00	1.000E+00	1.000E+00
0Th-228+D	Th-228+D	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-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+D	1.000E+00	1.000E+00	9.894E-01	9.866E-01	9.859E-01	9.858E-01	9.858E-01	1.000E+00	1.000E+00
Th-232	Th-228+D	1.000E+00	1.000E+00	1.307E+01	5.164E+00	2.994E+00	2.637E+00	2.624E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFLF(j,2,t)# At Time in 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
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	1.000E+00	6.712E+00	3.081E+00	2.051E+00	1.911E+00	1.910E+00	1.000E+00	1.000E+00
0Th-228+D	Th-228+D	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-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+D	1.000E+00	1.000E+00	9.891E-01	9.866E-01	9.859E-01	9.858E-01	9.858E-01	1.000E+00	1.000E+00
Th-232	Th-228+D	1.000E+00	1.000E+00	1.240E+01	5.107E+00	2.990E+00	2.636E+00	2.624E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CF45(j,1,t)# At Time in Years							
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	1.000E+00	2.028E+00	1.417E+00	1.214E+00	1.185E+00	1.185E+00	1.000E+00	1.000E+00
0Th-228+D	Th-228+D	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-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+D	1.000E+00	1.000E+00	9.970E-01	9.947E-01	9.940E-01	9.939E-01	9.939E-01	1.000E+00	1.000E+00
Th-232	Th-228+D	1.000E+00	1.000E+00	2.788E+00	1.782E+00	1.401E+00	1.332E+00	1.330E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CF45(j,2,t)# At Time in Years							
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	1.000E+00	1.945E+00	1.401E+00	1.216E+00	1.189E+00	1.189E+00	1.000E+00	1.000E+00
0Th-228+D	Th-228+D	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-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+D	1.000E+00	1.000E+00	9.997E-01	9.997E-01	9.997E-01	9.997E-01	9.997E-01	1.000E+00	1.000E+00
Th-232	Th-228+D	1.000E+00	1.000E+00	2.668E+00	1.744E+00	1.391E+00	1.327E+00	1.325E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
			CFF(j,1,t)# At Time in Years							
Ra-228+D	Ra-228+D	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+D	Th-228+D	1.000E+00	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+D	Th-228+D	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-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+D	1.000E+00	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+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,1,t) (dimensionless)							
Ra-228	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00
Th-228	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00
Th-232	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	5.5556E-02	0.0000E+00	0.0000E+00

0

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,2,t) (dimensionless)							
Ra-228	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00
Th-228	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00
Th-232	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	3.3333E-01	0.0000E+00	0.0000E+00

0

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

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

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

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

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

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

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

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	5.800E+02	4.940E+02	3.573E+02	1.148E+02	4.412E+00	3.511E-05	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	1.020E+01	1.168E+01	5.814E+00	2.474E-01	1.971E-06	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	1.450E+01	1.003E+01	4.793E+00	3.613E-01	2.206E-04	8.864E-16	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	1.450E+01	1.441E+01	1.421E+01	1.353E+01	1.159E+01	4.817E+00	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	0.000E+00	6.202E+01	1.622E+02	3.295E+02	3.552E+02	1.491E+02	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	0.000E+00	1.036E+00	3.726E+00	1.093E+01	1.328E+01	5.600E+00	0.000E+00	0.000E+00

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

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	1.462E-01	1.245E-01	9.006E-02	2.893E-02	1.112E-03	8.848E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	4.071E-02	7.284E-02	4.419E-02	1.940E-03	1.546E-08	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	1.462E-01	1.011E-01	4.833E-02	3.643E-03	2.224E-06	8.937E-18	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	1.462E-01	1.453E-01	1.433E-01	1.365E-01	1.169E-01	4.857E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	0.000E+00	1.624E-02	4.148E-02	8.362E-02	9.000E-02	3.777E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	0.000E+00	2.678E-03	1.720E-02	6.884E-02	8.927E-02	3.773E-02	0.000E+00	0.000E+00

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

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,1,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	2.856E+01	2.447E+01	1.770E+01	5.687E+00	2.186E-01	1.742E-06	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	6.045E-01	4.584E-01	1.575E-01	6.171E-03	4.920E-08	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	7.140E-02	4.943E-02	2.362E-02	1.781E-03	1.087E-06	4.377E-18	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	7.140E-02	7.101E-02	7.005E-02	6.670E-02	5.714E-02	2.379E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	0.000E+00	2.597E+00	7.566E+00	1.588E+01	1.721E+01	7.238E+00	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	0.000E+00	6.328E-02	1.891E-01	4.129E-01	4.549E-01	1.914E-01	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)

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	2.898E-02	2.483E-02	1.796E-02	5.771E-03	2.218E-04	1.768E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	1.249E-03	1.764E-03	9.793E-04	4.243E-05	3.388E-10	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	2.898E-03	2.006E-03	9.590E-04	7.228E-05	4.414E-08	1.777E-19	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	2.898E-03	2.882E-03	2.843E-03	2.707E-03	2.319E-03	9.656E-04	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	0.000E+00	3.066E-03	8.102E-03	1.652E-02	1.782E-02	7.489E-03	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	0.000E+00	1.072E-04	4.849E-04	1.659E-03	2.088E-03	8.829E-04	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: Ditch Irrigation (q=3)

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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: Overhead Irrigation (q=4)

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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: Livestock Water (q=5)

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,5,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	5.353E+01	4.577E+01	3.310E+01	1.064E+01	4.088E-01	3.257E-06	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	5.705E-02	4.325E-02	1.485E-02	5.818E-04	4.636E-09	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	6.692E-03	4.631E-03	2.213E-03	1.668E-04	1.019E-07	4.098E-19	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	6.692E-03	6.652E-03	6.563E-03	6.249E-03	5.352E-03	2.227E-03	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	0.000E+00	5.184E+00	1.447E+01	3.000E+01	3.246E+01	1.364E+01	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	0.000E+00	6.370E-03	1.823E-02	3.932E-02	4.322E-02	1.817E-02	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)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	5.433E-02	4.645E-02	3.359E-02	1.079E-02	4.149E-04	3.305E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	1.215E-04	1.686E-04	9.280E-05	4.015E-06	3.204E-11	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	2.716E-04	1.880E-04	8.984E-05	6.772E-06	4.135E-09	1.663E-20	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	2.716E-04	2.700E-04	2.664E-04	2.537E-04	2.173E-04	9.041E-05	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	0.000E+00	6.037E-03	1.545E-02	3.118E-02	3.356E-02	1.410E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	0.000E+00	1.094E-05	4.723E-05	1.587E-04	1.991E-04	8.414E-05	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: Ditch Irrigation (q=3)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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: Overhead Irrigation (q=4)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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: Livestock Water (q=5)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,5,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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)

0 Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0 Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	0.000E+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+D	1.442E-03	0.000E+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+D	8.086E-04	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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,1t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	7.732E-01	6.578E-01	4.757E-01	1.528E-01	5.870E-03	4.644E-08	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	6.348E-03	8.847E-03	9.308E-03	4.384E-03	1.845E-04	1.462E-09	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		7.796E-01	6.666E-01	4.850E-01	1.572E-01	6.055E-03	4.790E-08	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	9.806E-03	6.780E-03	3.240E-03	2.442E-04	1.490E-07	5.955E-19	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	3.946E-02	3.920E-02	3.867E-02	3.681E-02	3.151E-02	1.302E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	4.480E-02	1.298E-01	2.625E-01	4.829E-01	5.104E-01	2.128E-01	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.787E-04	1.357E-03	3.566E-03	9.078E-03	1.070E-02	4.483E-03	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		8.464E-02	1.703E-01	3.047E-01	5.288E-01	5.526E-01	2.303E-01	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,2t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	1.949E-04	1.658E-04	1.199E-04	3.852E-05	1.479E-06	1.170E-11	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	1.800E-05	4.283E-05	6.032E-05	3.343E-05	1.447E-06	1.147E-11	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		2.129E-04	2.086E-04	1.802E-04	7.195E-05	2.926E-06	2.317E-11	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	9.889E-05	6.837E-05	3.268E-05	2.463E-06	1.503E-09	6.005E-21	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	3.979E-04	3.953E-04	3.899E-04	3.712E-04	3.177E-04	1.313E-04	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	1.204E-05	3.358E-05	6.702E-05	1.225E-04	1.293E-04	5.392E-05	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	7.546E-07	4.556E-06	1.747E-05	5.751E-05	7.197E-05	3.020E-05	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		4.107E-04	4.334E-04	4.744E-04	5.512E-04	5.190E-04	2.154E-04	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,3t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,4t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	7.734E-01	6.579E-01	4.758E-01	1.529E-01	5.871E-03	4.645E-08	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	6.366E-03	8.890E-03	9.368E-03	4.417E-03	1.860E-04	1.474E-09	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		7.798E-01	6.668E-01	4.852E-01	1.573E-01	6.057E-03	4.793E-08	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	9.905E-03	6.848E-03	3.273E-03	2.467E-04	1.505E-07	6.015E-19	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	3.986E-02	3.959E-02	3.906E-02	3.718E-02	3.182E-02	1.315E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	4.481E-02	1.298E-01	2.626E-01	4.831E-01	5.106E-01	2.129E-01	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.795E-04	1.361E-03	3.583E-03	9.136E-03	1.078E-02	4.513E-03	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		8.505E-02	1.708E-01	3.052E-01	5.294E-01	5.532E-01	2.305E-01	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,1t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	3.826E-02	3.258E-02	2.356E-02	7.570E-03	2.908E-04	2.305E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	4.418E-04	4.573E-04	3.451E-04	1.177E-04	4.603E-06	3.649E-11	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		3.871E-02	3.304E-02	2.391E-02	7.688E-03	2.954E-04	2.341E-09	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	4.832E-05	3.342E-05	1.597E-05	1.204E-06	7.346E-10	2.941E-21	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	1.945E-04	1.932E-04	1.906E-04	1.814E-04	1.553E-04	6.429E-05	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	1.632E-03	5.745E-03	1.233E-02	2.328E-02	2.474E-02	1.033E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	2.149E-05	7.912E-05	1.736E-04	3.399E-04	3.665E-04	1.532E-04	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		1.848E-03	6.017E-03	1.269E-02	2.380E-02	2.526E-02	1.055E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,2t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	3.883E-05	3.306E-05	2.391E-05	7.682E-06	2.951E-07	2.339E-12	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	6.837E-07	1.179E-06	1.435E-06	7.398E-07	3.165E-08	2.513E-13	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		3.951E-05	3.424E-05	2.535E-05	8.422E-06	3.268E-07	2.590E-12	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	1.962E-06	1.357E-06	6.483E-07	4.886E-08	2.982E-11	1.194E-22	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	7.894E-06	7.842E-06	7.736E-06	7.365E-06	6.305E-06	2.610E-06	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	2.187E-06	6.448E-06	1.312E-05	2.421E-05	2.560E-05	1.069E-05	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.599E-08	1.543E-07	4.770E-07	1.382E-06	1.683E-06	7.068E-07	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		1.012E-05	1.444E-05	2.133E-05	3.295E-05	3.359E-05	1.401E-05	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,3t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,4t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,5t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	8.032E-02	6.836E-02	4.944E-02	1.588E-02	6.102E-04	4.832E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	1.183E-03	1.737E-03	1.903E-03	9.213E-04	3.898E-05	3.090E-10	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		8.151E-02	7.010E-02	5.135E-02	1.680E-02	6.492E-04	5.141E-09	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	2.181E-03	1.508E-03	7.207E-04	5.431E-05	3.314E-08	1.325E-19	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	8.776E-03	8.717E-03	8.599E-03	8.186E-03	7.007E-03	2.896E-03	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	4.001E-03	1.273E-02	2.653E-02	4.948E-02	5.245E-02	2.189E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	6.050E-05	2.465E-04	6.913E-04	1.841E-03	2.194E-03	9.195E-04	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		1.284E-02	2.169E-02	3.582E-02	5.951E-02	6.165E-02	2.570E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,1t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	7.159E-02	6.094E-02	4.407E-02	1.416E-02	5.439E-04	4.308E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	4.170E-05	4.316E-05	3.256E-05	1.110E-05	4.340E-07	3.438E-12	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		7.163E-02	6.098E-02	4.411E-02	1.417E-02	5.443E-04	4.311E-09	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	4.528E-06	3.131E-06	1.496E-06	1.128E-07	6.882E-11	2.753E-22	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	1.822E-05	1.810E-05	1.785E-05	1.700E-05	1.455E-05	6.019E-06	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	3.456E-03	1.121E-02	2.352E-02	4.399E-02	4.665E-02	1.947E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	2.303E-06	7.787E-06	1.670E-05	3.237E-05	3.483E-05	1.455E-05	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		3.476E-03	1.124E-02	2.356E-02	4.404E-02	4.670E-02	1.949E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,2t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	7.265E-05	6.184E-05	4.473E-05	1.437E-05	5.520E-07	4.372E-12	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	6.742E-08	1.138E-07	1.369E-07	7.009E-08	2.996E-09	2.376E-14	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		7.272E-05	6.195E-05	4.486E-05	1.444E-05	5.550E-07	4.395E-12	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	1.838E-07	1.271E-07	6.074E-08	4.578E-09	2.793E-12	1.118E-23	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	7.396E-07	7.347E-07	7.248E-07	6.900E-07	5.907E-07	2.443E-07	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	4.466E-06	1.250E-05	2.497E-05	4.569E-05	4.823E-05	2.013E-05	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	3.820E-09	1.538E-08	4.629E-08	1.322E-07	1.605E-07	6.735E-08	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		5.209E-06	1.325E-05	2.574E-05	4.651E-05	4.899E-05	2.044E-05	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,3t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,4t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,5t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	1.689E-01	1.437E-01	1.039E-01	3.338E-02	1.282E-03	1.015E-08	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	1.321E-04	1.959E-04	2.163E-04	1.052E-04	4.456E-06	3.530E-11	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		1.690E-01	1.439E-01	1.041E-01	3.348E-02	1.287E-03	1.018E-08	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	2.515E-04	1.739E-04	8.311E-05	6.263E-06	3.821E-09	1.527E-20	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	1.012E-03	1.005E-03	9.917E-04	9.440E-04	8.080E-04	3.338E-04	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	9.434E-03	2.794E-02	5.693E-02	1.051E-01	1.112E-01	4.636E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	7.422E-06	2.842E-05	7.881E-05	2.098E-04	2.503E-04	1.048E-04	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		1.045E-02	2.897E-02	5.800E-02	1.063E-01	1.122E-01	4.680E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,6,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,7,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

Plant/Air and Plant/Water Concentration Ratios
0 Mass loading [ASR(3)]: 1.000E-04 g/m**3
Area Factor for Mass Loading [FA(2)]: 2.361E-01

0Nuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
Ra-228	5.4545E-02	2.6156E-01	4.5200E-06	6.6378E-06	3.4522E-04	1.6554E-03
Th-228	5.4545E-02	2.6156E-01	1.1355E-07	1.6642E-07	3.4522E-04	1.6554E-03
Th-232	5.4545E-02	2.6156E-01	1.1355E-07	1.6642E-07	3.4522E-04	1.6554E-03

FAR(i,p,q,k) is the plant/air concentration ratio for airborne contaminated dust,
and FWR(i,p,q,k) is the plant/water concentration ratio. See groundwater displays
for water/soil concentration ratios.
0

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

	Parent	Product	FSR(i,3,1,k)	FSR(i,3,2,1)	FSR(i,3,2,2)
	Ra-228+D	Ra-228+D	4.0000E-02	1.2876E-06	6.1745E-06
	Ra-228+D	Th-228+D	1.0000E-03	1.2876E-06	6.1745E-06
0	Th-228+D	Th-228+D	1.0000E-03	1.2876E-06	6.1745E-06
0	Th-232	Th-232	1.0000E-03	1.2876E-06	6.1745E-06
	Th-232	Ra-228+D	4.0000E-02	1.2876E-06	6.1745E-06
	Th-232	Th-228+D	1.0000E-03	1.2876E-06	6.1745E-06

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,3,k,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,4,1,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,4,2,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

0Nuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Ra-228	1.0000E-03	1.0000E-03	2.8659E-01	2.1304E-06	1.8139E-03
Th-228	1.0000E-04	5.0000E-06	2.8659E-01	5.2861E-08	1.8139E-03
Th-232	1.0000E-04	5.0000E-06	2.8659E-01	5.2861E-08	1.8139E-03

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

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

	Nuclide(i) Parent	Product	QSR(i,p,1)	QSR(i,p,2)
	Ra-228+D	Ra-228+D	4.0000E-02	6.7655E-06
	Ra-228+D	Th-228+D	1.0000E-03	6.7655E-06
0	Th-228+D	Th-228+D	1.0000E-03	6.7655E-06
0	Th-232	Th-232	1.0000E-03	6.7655E-06
	Th-232	Ra-228+D	4.0000E-02	6.7655E-06
	Th-232	Th-228+D	1.0000E-03	6.7655E-06

0

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

0 Parent (i)	Product (j)	Thread Fraction	QSR(j,p,3,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	QSR(j,p,4,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0 Parent (i)	Product (j)	Thread Fraction	QSR(j,p,5,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Nuclide(i) Parent	Nuclide(i) Product	FSR(i,4,1)	FSR(i,4,2)
Ra-228+D	Ra-228+D	4.5333E-04	4.6005E-07
Ra-228+D	Th-228+D	0.0000E+00	0.0000E+00
0 Th-228+D	Th-228+D	1.1333E-06	4.6005E-08
0 Th-232	Th-232	1.1333E-06	4.6005E-08
Th-232	Ra-228+D	0.0000E+00	0.0000E+00
Th-232	Th-228+D	0.0000E+00	0.0000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,4,3,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,4,4,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Meat/Soil Concentration Ratio, FSR(j,4,q,t)
Livestock Water (q=5)
FSR(j,4,5,t) * SF(j,t) At Time in Years

0 Parent (i)	Product (j)	Thread Fraction	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-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

	Nuclide(i) Parent	Product	FSR(i,5,1)	FSR(i,5,2)
	Ra-228+D	Ra-228+D	3.6667E-04	3.7210E-07
	Ra-228+D	Th-228+D	0.0000E+00	0.0000E+00
0	Th-228+D	Th-228+D	4.5833E-08	1.8605E-09
0	Th-232	Th-232	4.5833E-08	1.8605E-09
	Th-232	Ra-228+D	0.0000E+00	0.0000E+00
	Th-232	Th-228+D	0.0000E+00	0.0000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,5,3,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,5,4,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,5,5,t) * SF(j,t) At Time in 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
Ra-228+D	Ra-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+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+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,8,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.000E+00	3.645E-02	3.100E-02	2.242E-02	7.202E-03	2.766E-04	2.188E-09	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	1.000E+00	3.369E-03	8.017E-03	1.129E-02	6.257E-03	2.708E-04	2.146E-09	0.000E+00	0.000E+00
Ra-228+D	ΣDSR(j)		3.982E-02	3.902E-02	3.371E-02	1.346E-02	5.474E-04	4.333E-09	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	1.000E+00	1.851E-02	1.280E-02	6.116E-03	4.609E-04	2.812E-07	1.124E-18	0.000E+00	0.000E+00
0Th-232	Th-232	1.000E+00	7.448E-02	7.398E-02	7.298E-02	6.947E-02	5.946E-02	2.456E-02	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.000E+00	2.251E-03	6.278E-03	1.253E-02	2.291E-02	2.419E-02	1.008E-02	0.000E+00	0.000E+00
Th-232	Th-228+D	1.000E+00	1.412E-04	8.527E-04	3.270E-03	1.076E-02	1.347E-02	5.651E-03	0.000E+00	0.000E+00
Th-232	ΣDSR(j)		7.688E-02	8.111E-02	8.878E-02	1.032E-01	9.712E-02	4.029E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	DCF(j,8)*	ETF(j,8,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	1.000E+03
Ra-228+D	Ra-228+D	1.442E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
Ra-228+D	Th-228+D	8.086E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
0Th-228+D	Th-228+D	8.086E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
0Th-232	Th-232	2.730E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
Th-232	Ra-228+D	1.442E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00
Th-232	Th-228+D	8.086E-04	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	9.125E+00	0.000E+00	0.000E+00

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

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

0 Menu	Parameter	Current Value	Base Case*	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Ra-228+D	4.53E-06	0.00E+00	SLPF(1,1)
Sf-1	Th-228+D	7.76E-06	5.59E-09	SLPF(2,1)
Sf-1	Th-232	3.42E-10	3.42E-10	SLPF(3,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Ra-228+D	4.37E-08	4.37E-08	SLPF(1,2)
Sf-2	Th-228+D	1.44E-07	1.32E-07	SLPF(2,2)
Sf-2	Th-232	4.33E-08	4.33E-08	SLPF(3,2)
Sf-3	Food ingestion, slope factors, 1/(pCi):			
Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF(1,3)
Sf-3	Th-228+D	4.22E-10	1.48E-10	SLPF(2,3)
Sf-3	Th-232	1.33E-10	1.33E-10	SLPF(3,3)
Sf-3	Water ingestion, slope factors, 1/(pCi):			
Sf-3	Ra-228+D	1.04E-09	1.04E-09	SLPF(1,4)
Sf-3	Th-228+D	2.99E-10	1.07E-10	SLPF(2,4)
Sf-3	Th-232	1.01E-10	1.01E-10	SLPF(3,4)
Sf-3	Soil ingestion, slope factors, 1/(pCi):			
Sf-3	Ra-228+D	1.43E-09	1.43E-09	SLPF(1,5)
Sf-3	Th-228+D	4.22E-10	1.48E-10	SLPF(2,5)
Sf-3	Th-232	1.33E-10	1.33E-10	SLPF(3,5)
Sf-Rn	Radon Inhalation slope factors, 1/(pCi):			
Sf-Rn	Rn-220Inhalation slope factors, 1/(pCi):	1.90E-13	1.90E-13	SLPFRN(2,1)
Sf-Rn	Po-216Inhalation slope factors, 1/(pCi):	3.00E-15	3.00E-15	SLPFRN(2,2)
Sf-Rn	Pb-212Inhalation slope factors, 1/(pCi):	3.90E-11	3.90E-11	SLPFRN(2,3)
Sf-Rn	Bi-212Inhalation slope factors, 1/(pCi):	3.70E-11	3.70E-11	SLPFRN(2,4)
Sf-Rn	Radon K factors, (mrem/WLM):			
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)

*Base Case means Default.Lib w/o Associate Nuclide contributions.

Risk Slope and Environmental Transport Factors for the Ground Pathway

0Nuclide (i)	Slope(i)*	ETFG(i,t) At Time in Years (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
Ac-228	4.530E-06	5.156E-01	5.146E-01	5.124E-01	5.045E-01	4.774E-01	3.070E-01	0.000E+00	0.000E+00
Bi-212	8.870E-07	5.195E-01	5.185E-01	5.164E-01	5.085E-01	4.816E-01	3.081E-01	0.000E+00	0.000E+00
Pb-212	5.090E-07	5.708E-01	5.702E-01	5.690E-01	5.645E-01	5.474E-01	3.918E-01	0.000E+00	0.000E+00
Po-212	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Po-216	7.870E-11	5.241E-01	5.231E-01	5.211E-01	5.134E-01	4.872E-01	3.159E-01	0.000E+00	0.000E+00
Ra-224	3.720E-08	5.675E-01	5.669E-01	5.656E-01	5.607E-01	5.425E-01	3.817E-01	0.000E+00	0.000E+00
Ra-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Rn-220	1.700E-09	5.374E-01	5.364E-01	5.346E-01	5.275E-01	5.031E-01	3.316E-01	0.000E+00	0.000E+00
Th-228	5.590E-09	5.836E-01	5.833E-01	5.825E-01	5.793E-01	5.670E-01	4.302E-01	0.000E+00	0.000E+00
Th-232	3.420E-10	5.955E-01	5.953E-01	5.950E-01	5.938E-01	5.884E-01	4.972E-01	0.000E+00	0.000E+00
Tl-208	1.760E-05	4.679E-01	4.666E-01	4.641E-01	4.549E-01	4.249E-01	2.616E-01	0.000E+00	0.000E+00

* - Units are 1/yr per (pCi/g) at infinite depth and area. Multiplication by ETFG(i,t) converts to site conditions.

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	
Ra-228	3.596E-01	2.338E+03	2.422E+02	5.101E+02	1.103E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.201E+03
Th-228	3.596E-01	5.902E+01	1.299E+01	1.499E+00	1.103E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.838E+02
Th-232	3.596E-01	5.902E+01	1.299E+01	1.499E+00	1.103E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.838E+02

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.824E-04	0.3220	4.720E-07	0.0005	1.005E-04	0.1146	1.041E-05	0.0119	2.193E-05	0.0250	4.742E-06	0.0054
Th-228	4.516E-04	0.5148	1.554E-06	0.0018	7.480E-07	0.0009	1.647E-07	0.0002	1.900E-08	0.0000	1.398E-06	0.0016
Th-232	2.462E-08	0.0000	4.671E-07	0.0005	2.355E-07	0.0003	5.185E-08	0.0001	5.981E-09	0.0000	4.402E-07	0.0005
Total	7.340E-04	0.8368	2.493E-06	0.0028	1.015E-04	0.1157	1.063E-05	0.0121	2.195E-05	0.0250	6.581E-06	0.0075

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	4.205E-04	0.4793
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.555E-04	0.5193
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	1.225E-06	0.0014
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.772E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.824E-04	0.3220	4.720E-07	0.0005	0.000E+00	0.0000	1.005E-04	0.1146	1.041E-05	0.0119	2.193E-05	0.0250	4.742E-06	0.0054
Th-228	4.516E-04	0.5148	1.554E-06	0.0018	0.000E+00	0.0000	7.480E-07	0.0009	1.647E-07	0.0002	1.900E-08	0.0000	1.398E-06	0.0016
Th-232	2.462E-08	0.0000	4.671E-07	0.0005	0.000E+00	0.0000	2.355E-07	0.0003	5.185E-08	0.0001	5.981E-09	0.0000	4.402E-07	0.0005
Total	7.340E-04	0.8368	2.493E-06	0.0028	0.000E+00	0.0000	1.015E-04	0.1157	1.063E-05	0.0121	2.195E-05	0.0250	6.581E-06	0.0075

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.205E-04	0.4793
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	4.555E-04	0.5193
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	1.225E-06	0.0014
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.772E-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	
Ra-228	3.457E-01	2.241E+03	2.308E+02	4.883E+02	1.061E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.067E+03
Th-228	3.553E-01	8.627E+01	1.761E+01	2.008E+00	1.090E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.149E+02
Th-232	3.572E-01	5.864E+01	1.291E+01	1.489E+00	1.096E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.826E+02

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.728E-04	0.3177	4.538E-07	0.0005	9.635E-05	0.1122	9.920E-06	0.0116	2.099E-05	0.0244	4.559E-06	0.0053
Th-228	4.481E-04	0.5219	1.535E-06	0.0018	1.093E-06	0.0013	2.231E-07	0.0003	2.544E-08	0.0000	1.381E-06	0.0016
Th-232	2.461E-08	0.0000	4.640E-07	0.0005	2.340E-07	0.0003	5.152E-08	0.0001	5.941E-09	0.0000	4.372E-07	0.0005
Total	7.209E-04	0.8396	2.453E-06	0.0029	9.768E-05	0.1138	1.019E-05	0.0119	2.102E-05	0.0245	6.378E-06	0.0074

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	4.050E-04	0.4717
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.523E-04	0.5268
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	1.217E-06	0.0014
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.586E-04	1.0000

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	3.675E-04	0.4281	8.339E-07	0.0010	0.000E+00	0.0000	8.613E-05	0.1003	8.995E-06	0.0105	1.871E-05	0.0218	4.423E-06	0.0052
Th-228	3.136E-04	0.3652	1.074E-06	0.0013	0.000E+00	0.0000	5.173E-07	0.0006	1.139E-07	0.0001	1.313E-08	0.0000	9.666E-07	0.0011
Th-232	3.979E-05	0.0463	5.448E-07	0.0006	0.000E+00	0.0000	1.103E-05	0.0129	1.086E-06	0.0013	2.305E-06	0.0027	9.888E-07	0.0012
Total	7.209E-04	0.8396	2.453E-06	0.0029	0.000E+00	0.0000	9.768E-05	0.1138	1.019E-05	0.0119	2.102E-05	0.0245	6.378E-06	0.0074

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.866E-04	0.5667
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	3.162E-04	0.3683
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	5.575E-05	0.0649
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.586E-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	
Ra-228	3.231E-01	2.094E+03	2.155E+02	4.562E+02	9.912E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.865E+03
Th-228	3.402E-01	8.196E+01	1.675E+01	1.910E+00	1.044E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.050E+02
Th-232	3.524E-01	5.785E+01	1.274E+01	1.469E+00	1.081E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.802E+02

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

0

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
Radon and its Decay Products as pCi/yr at t= 3.000E+00 years

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.573E-04	0.3142	4.241E-07	0.0005	9.002E-05	0.1099	9.263E-06	0.0113	1.961E-05	0.0239	4.261E-06	0.0052
Th-228	4.327E-04	0.5285	1.470E-06	0.0018	1.039E-06	0.0013	2.122E-07	0.0003	2.421E-08	0.0000	1.323E-06	0.0016
Th-232	2.460E-08	0.0000	4.577E-07	0.0006	2.308E-07	0.0003	5.082E-08	0.0001	5.861E-09	0.0000	4.313E-07	0.0005
Total	6.901E-04	0.8427	2.352E-06	0.0029	9.129E-05	0.1115	9.526E-06	0.0116	1.964E-05	0.0240	6.015E-06	0.0073

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	3.809E-04	0.4651
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.368E-04	0.5334
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	1.201E-06	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	8.189E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	4.039E-04	0.4933	1.064E-06	0.0013	0.000E+00	0.0000	6.251E-05	0.0763	6.555E-06	0.0080	1.353E-05	0.0165	3.613E-06	0.0044
Th-228	1.512E-04	0.1846	5.135E-07	0.0006	0.000E+00	0.0000	2.472E-07	0.0003	5.443E-08	0.0001	6.277E-09	0.0000	4.620E-07	0.0006
Th-232	1.350E-04	0.1648	7.742E-07	0.0009	0.000E+00	0.0000	2.853E-05	0.0348	2.917E-06	0.0036	6.099E-06	0.0074	1.939E-06	0.0024
Total	6.901E-04	0.8427	2.352E-06	0.0029	0.000E+00	0.0000	9.129E-05	0.1115	9.526E-06	0.0116	1.964E-05	0.0240	6.015E-06	0.0073

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.912E-04	0.5999
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	1.524E-04	0.1862
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	1.752E-04	0.2140
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.189E-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	
Ra-228	2.765E-01	1.791E+03	1.841E+02	3.900E+02	8.481E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.450E+03
Th-228	2.869E-01	6.942E+01	1.417E+01	1.617E+00	8.800E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.732E+02
Th-232	3.355E-01	5.508E+01	1.213E+01	1.399E+00	1.029E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.715E+02

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.276E-04	0.3188	3.629E-07	0.0005	7.699E-05	0.1078	7.914E-06	0.0111	1.677E-05	0.0235	3.646E-06	0.0051
Th-228	3.761E-04	0.5268	1.239E-06	0.0017	8.797E-07	0.0012	1.795E-07	0.0003	2.048E-08	0.0000	1.115E-06	0.0016
Th-232	2.454E-08	0.0000	4.358E-07	0.0006	2.198E-07	0.0003	4.839E-08	0.0001	5.580E-09	0.0000	4.107E-07	0.0006
Total	6.037E-04	0.8456	2.038E-06	0.0029	7.809E-05	0.1094	8.142E-06	0.0114	1.679E-05	0.0235	5.172E-06	0.0072

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	3.333E-04	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	3.795E-04	0.5316
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	1.145E-06	0.0016
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.139E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.010E-04	0.2815	5.628E-07	0.0008	0.000E+00	0.0000	2.019E-05	0.0283	2.129E-06	0.0030	4.351E-06	0.0061	1.360E-06	0.0019
Th-228	1.174E-05	0.0164	3.870E-08	0.0001	0.000E+00	0.0000	1.864E-08	0.0000	4.103E-09	0.0000	4.732E-10	0.0000	3.482E-08	0.0000
Th-232	3.910E-04	0.5477	1.437E-06	0.0020	0.000E+00	0.0000	5.788E-05	0.0811	6.008E-06	0.0084	1.244E-05	0.0174	3.777E-06	0.0053
Total	6.037E-04	0.8456	2.038E-06	0.0029	0.000E+00	0.0000	7.809E-05	0.1094	8.142E-06	0.0114	1.679E-05	0.0235	5.172E-06	0.0072

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	2.296E-04	0.3215
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	1.184E-05	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	4.725E-04	0.6619
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.139E-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	
Ra-228	2.238E-01	1.449E+03	1.489E+02	3.156E+02	6.866E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.983E+03
Th-228	2.243E-01	5.488E+01	1.118E+01	1.275E+00	6.880E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.361E+02
Th-232	2.873E-01	4.718E+01	1.039E+01	1.198E+00	8.815E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.469E+02

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	2.034E-04	0.3309	2.937E-07	0.0005	6.231E-05	0.1014	6.401E-06	0.0104	1.357E-05	0.0221	2.951E-06	0.0048
Th-228	3.220E-04	0.5239	9.690E-07	0.0016	6.955E-07	0.0011	1.417E-07	0.0002	1.616E-08	0.0000	8.718E-07	0.0014
Th-232	2.430E-08	0.0000	3.733E-07	0.0006	1.882E-07	0.0003	4.145E-08	0.0001	4.779E-09	0.0000	3.517E-07	0.0006
Total	5.255E-04	0.8549	1.636E-06	0.0027	6.319E-05	0.1028	6.584E-06	0.0107	1.359E-05	0.0221	4.175E-06	0.0068

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	2.889E-04	0.4701
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	3.247E-04	0.5283
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	9.837E-07	0.0016
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	6.147E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	9.331E-06	0.0152	2.419E-08	0.0000	0.000E+00	0.0000	7.773E-07	0.0013	8.212E-08	0.0001	1.673E-07	0.0003	5.456E-08	0.0001
Th-228	7.853E-09	0.0000	2.363E-11	0.0000	0.000E+00	0.0000	1.138E-11	0.0000	2.505E-12	0.0000	2.889E-13	0.0000	2.126E-11	0.0000
Th-232	5.161E-04	0.8397	1.612E-06	0.0026	0.000E+00	0.0000	6.241E-05	0.1015	6.502E-06	0.0106	1.342E-05	0.0218	4.120E-06	0.0067
Total	5.255E-04	0.8549	1.636E-06	0.0027	0.000E+00	0.0000	6.319E-05	0.1028	6.584E-06	0.0107	1.359E-05	0.0221	4.175E-06	0.0068

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.044E-05	0.0170
Th-228	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.912E-09	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.042E-04	0.9830
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	6.147E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Ra-228	9.273E-02	6.008E+02	6.178E+01	1.309E+02	2.845E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.219E+02
Th-228	9.273E-02	2.272E+01	4.629E+00	5.277E-01	2.845E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.633E+01
Th-232	1.194E-01	1.961E+01	4.319E+00	4.977E-01	3.662E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.105E+01

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

0

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
Radon and its Decay Products as pCi/yr at t= 1.000E+02 years

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	1.301E-04	0.3538	1.217E-07	0.0003	2.583E-05	0.0703	2.656E-06	0.0072	5.625E-06	0.0153	1.223E-06	0.0033
Th-228	2.005E-04	0.5455	4.007E-07	0.0011	2.879E-07	0.0008	5.866E-08	0.0002	6.687E-09	0.0000	3.605E-07	0.0010
Th-232	2.048E-08	0.0001	1.551E-07	0.0004	7.824E-08	0.0002	1.723E-08	0.0000	1.986E-09	0.0000	1.461E-07	0.0004
Total	3.306E-04	0.8994	6.775E-07	0.0018	2.619E-05	0.0713	2.732E-06	0.0074	5.634E-06	0.0153	1.730E-06	0.0047

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.655E-04	0.4503
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	2.017E-04	0.5486
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	4.191E-07	0.0011
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.676E-04	1.0000

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Ra-228	1.127E-10	0.0000	1.927E-13	0.0000	0.000E+00	0.0000	6.185E-12	0.0000	6.541E-13	0.0000	1.331E-12	0.0000	4.342E-13	0.0000
Th-228	4.750E-20	0.0000	9.491E-23	0.0000	0.000E+00	0.0000	4.572E-23	0.0000	1.007E-23	0.0000	1.160E-24	0.0000	8.539E-23	0.0000
Th-232	3.306E-04	0.8994	6.775E-07	0.0018	0.000E+00	0.0000	2.619E-05	0.0713	2.732E-06	0.0074	5.634E-06	0.0153	1.730E-06	0.0047
Total	3.306E-04	0.8994	6.775E-07	0.0018	0.000E+00	0.0000	2.619E-05	0.0713	2.732E-06	0.0074	5.634E-06	0.0153	1.730E-06	0.0047

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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	1.215E-10	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	4.774E-20	0.0000
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.676E-04	1.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.676E-04	1.0000

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

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

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

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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
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
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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
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
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

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

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

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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
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
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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
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
Th-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
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-232	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

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Part IV: Concentration of Radionuclides

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	4.030E+00	4.030E+00	9.514E-05	0.000E+00	0.000E+00
Th-228	4.030E+00	4.030E+00	9.514E-05	0.000E+00	0.000E+00
Th-232	4.030E+00	4.030E+00	9.514E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	2.687E+01	2.689E+01	2.689E+01	2.689E+01	3.844E+00	3.494E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	6.769E-01	6.966E-01	6.989E-01	6.989E-01	2.063E-01	1.027E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	6.769E-01	6.966E-01	6.989E-01	6.989E-01	2.063E-01	1.027E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.901E+00	3.875E+00	9.146E-05	0.000E+00	0.000E+00
Th-228	4.008E+00	3.982E+00	9.400E-05	0.000E+00	0.000E+00
Th-232	4.030E+00	4.003E+00	9.450E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	2.576E+01	2.585E+01	2.566E+01	2.561E+01	3.663E+00	3.345E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	1.016E+00	7.132E-01	1.790E+00	1.788E+00	2.795E-01	1.375E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	6.725E-01	6.919E-01	6.951E-01	6.948E-01	2.049E-01	1.020E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.695E+00	3.621E+00	8.547E-05	0.000E+00	0.000E+00
Th-228	3.890E+00	3.813E+00	9.000E-05	0.000E+00	0.000E+00
Th-232	4.030E+00	3.949E+00	9.322E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	2.406E+01	2.416E+01	2.395E+01	2.391E+01	3.421E+00	3.125E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	9.647E-01	6.823E-01	1.688E+00	1.686E+00	2.658E-01	1.308E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	6.634E-01	6.825E-01	6.857E-01	6.855E-01	2.022E-01	1.006E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.320E+00	3.098E+00	7.314E-05	0.000E+00	0.000E+00
Th-228	3.444E+00	3.215E+00	7.589E-05	0.000E+00	0.000E+00
Th-232	4.028E+00	3.760E+00	8.876E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	2.058E+01	2.067E+01	2.044E+01	2.042E+01	2.922E+00	2.672E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	8.173E-01	5.756E-01	1.434E+00	1.433E+00	2.249E-01	1.107E-02	0.000E+00	0.000E+00
Th-232	0.000E+00	6.316E-01	6.499E-01	6.529E-01	6.527E-01	1.925E-01	9.579E-03	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.135E+00	2.508E+00	5.921E-05	0.000E+00	0.000E+00
Th-228	3.141E+00	2.513E+00	5.933E-05	0.000E+00	0.000E+00
Th-232	4.025E+00	3.220E+00	7.602E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	1.665E+01	1.673E+01	1.652E+01	1.652E+01	2.364E+00	2.162E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	6.466E-01	4.505E-01	1.144E+00	1.144E+00	1.775E-01	8.735E-03	0.000E+00	0.000E+00
Th-232	0.000E+00	5.410E-01	5.566E-01	5.593E-01	5.591E-01	1.649E-01	8.204E-03	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.118E+00	1.039E+00	2.453E-05	0.000E+00	0.000E+00
Th-228	3.118E+00	1.039E+00	2.453E-05	0.000E+00	0.000E+00
Th-232	4.014E+00	1.338E+00	3.158E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	6.904E+00	6.933E+00	6.861E+00	6.854E+00	9.807E-01	8.963E-01	0.000E+00	0.000E+00
Th-228	0.000E+00	2.677E-01	1.863E-01	4.746E-01	4.741E-01	7.348E-02	3.615E-03	0.000E+00	0.000E+00
Th-232	0.000E+00	2.249E-01	2.313E-01	2.329E-01	2.326E-01	6.855E-02	3.409E-03	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.092E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	3.092E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	3.981E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Ra-228	3.006E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	3.006E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	3.870E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Ra-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-228	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Th-232	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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Part V: Dose from Radionuclide at Point of Action

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

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

0

0Radio-	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
Nuc- lide	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
Ra-228	1.22E+01	1.79E-03	0.00E+00	3.30E+00	3.40E-01	7.19E-01	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E+01
Th-228	1.97E+01	1.24E-01	0.00E+00	6.71E-02	1.38E-02	1.58E-03	8.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E+01
Th-232	1.25E-03	5.88E-01	0.00E+00	1.61E-01	3.54E-02	4.08E-03	3.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+00
Total	3.19E+01	7.13E-01	0.00E+00	3.53E+00	3.89E-01	7.24E-01	5.45E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E+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

0Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ra-228	1.18E+01	1.72E-03	0.00E+00	3.17E+00	3.27E-01	6.92E-01	1.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01
Th-228	1.95E+01	1.22E-01	0.00E+00	6.89E-02	1.41E-02	1.60E-03	8.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+01
Th-232	1.25E-03	5.84E-01	0.00E+00	1.60E-01	3.51E-02	4.05E-03	2.98E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E+00
Total	3.13E+01	7.07E-01	0.00E+00	3.40E+00	3.76E-01	6.97E-01	5.36E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E+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

0Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ra-228	1.12E+01	1.62E-03	0.00E+00	2.98E+00	3.06E-01	6.48E-01	1.41E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+01
Th-228	1.88E+01	1.16E-01	0.00E+00	6.54E-02	1.34E-02	1.52E-03	8.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E+01
Th-232	1.25E-03	5.76E-01	0.00E+00	1.57E-01	3.47E-02	4.00E-03	2.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+00
Total	2.99E+01	6.94E-01	0.00E+00	3.20E+00	3.54E-01	6.54E-01	5.18E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E+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

0Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ra-228	9.96E+00	1.39E-03	0.00E+00	2.56E+00	2.63E-01	5.58E-01	1.21E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E+01
Th-228	1.63E+01	9.81E-02	0.00E+00	5.56E-02	1.13E-02	1.29E-03	7.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E+01
Th-232	1.25E-03	5.48E-01	0.00E+00	1.50E-01	3.30E-02	3.80E-03	2.80E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+00
Total	2.63E+01	6.48E-01	0.00E+00	2.77E+00	3.08E-01	5.63E-01	4.72E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E+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

0Radio-	Water Independent Pathways							Water Dependent Pathways						
Nuc-	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
lide	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
Ra-228	8.93E+00	1.13E-03	0.00E+00	2.08E+00	2.14E-01	4.53E-01	9.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+01
Th-228	1.41E+01	7.71E-02	0.00E+00	4.42E-02	9.00E-03	1.03E-03	5.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E+01
Th-232	1.23E-03	4.69E-01	0.00E+00	1.28E-01	2.82E-02	3.26E-03	2.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-01
Total	2.30E+01	5.47E-01	0.00E+00	2.25E+00	2.51E-01	4.57E-01	3.94E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E+01

0*Sum of all water independent and dependent pathways.

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

0

0Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ra-228	5.69E+00	4.66E-04	0.00E+00	8.58E-01	8.82E-02	1.87E-01	4.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E+00
Th-228	8.74E+00	3.17E-02	0.00E+00	1.82E-02	3.71E-03	4.22E-04	2.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E+00
Th-232	1.04E-03	1.94E-01	0.00E+00	5.30E-02	1.17E-02	1.35E-03	9.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-01
Total	1.44E+01	2.26E-01	0.00E+00	9.29E-01	1.04E-01	1.89E-01	1.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+01

0*Sum of all water independent and dependent pathways.

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

0

0Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0*Sum of all water independent and dependent pathways.

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

0

0Radio-Nuclide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Ra-228	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0*Sum of all water independent and dependent pathways.

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Probabilistic Input
0Number of Sample Runs: 300

Number	Name	Distribution	Parameters			
1	DROOT	UNIFORM	.3	4		
2	H(1)	BOUNDED LOGNORMAL-N	.693	.25	1	4
3	RUNOFF	UNIFORM	.1	.8		
4	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95
5	DWIBWT	TRIANGULAR	6	10	30	
6	SHF1	BOUNDED LOGNORMAL-N	-1.3	.59	.044	1
7	INHALR	TRIANGULAR	4380	8400	13100	
8	SOIL	TRIANGULAR	0	18.3	36.5	
9	H(2)	BOUNDED LOGNORMAL-N	1.386	.6	2	17
10	THICK0	TRIANGULAR	0	.075	.3	
11	FR9	TRIANGULAR	0	.39	1	
12	DM	TRIANGULAR	0	.15	.6	
13	MLINH	CONTINUOUS LINEAR	8	0	0	
			.000008	.0151	.000016	
			.1365	.00003	.8119	
			.00004	.9495	.00006	
			.9937	.000076	.9983	
			.0001	1		
14	FIND	CONTINUOUS LINEAR	8	0	0	
			.05	.375	.25	
			.521	.5	.625	
			.75	.809	.9	
			.938	.95	.992	
			1	1		

0

Probabilistic Total Dose Summary

0Nuclide (j)	Peak Time	Peak Dose	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
			DOSE(j,t), mrem/yr							
Ra-228										
Min	0.00E+00	5.12E-01	5.12E-01	2.47E-01	4.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.24E+00	4.16E+01	3.75E+01	4.10E+01	4.03E+01	2.05E+01	1.46E+00	1.09E-04	0.00E+00	0.00E+00
Avg	1.50E+00	1.08E+01	9.69E+00	1.06E+01	1.03E+01	4.67E+00	2.37E-01	8.43E-06	0.00E+00	0.00E+00
Std	4.94E-01	4.99E+00	4.44E+00	4.88E+00	4.89E+00	2.61E+00	1.96E-01	1.46E-05	0.00E+00	0.00E+00
Th-228										
Min	0.00E+00	8.08E-01	8.08E-01	4.50E-01	9.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.91E+01	2.91E+01	2.02E+01	9.79E+00	7.69E-01	5.36E-04	4.53E-15	0.00E+00	0.00E+00
Avg	0.00E+00	8.53E+00	8.53E+00	5.91E+00	2.83E+00	2.17E-01	1.36E-04	6.38E-16	0.00E+00	0.00E+00
Std	0.00E+00	3.64E+00	3.64E+00	2.54E+00	1.23E+00	9.89E-02	7.43E-05	7.22E-16	0.00E+00	0.00E+00
Th-232										
Min	1.44E+00	6.91E-02	3.56E-02	6.66E-02	4.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.81E+01	5.93E+01	3.25E+00	8.00E+00	1.79E+01	4.33E+01	5.91E+01	5.13E+01	0.00E+00	5.72E-27
Avg	2.29E+01	1.32E+01	8.01E-01	2.03E+00	4.55E+00	1.05E+01	1.27E+01	6.50E+00	0.00E+00	1.97E-29
Std	7.09E+00	7.42E+00	4.04E-01	9.60E-01	2.15E+00	5.36E+00	7.80E+00	7.64E+00	0.00E+00	0.00E+00
ΣALL										
Min	0.00E+00	1.36E+00	1.36E+00	7.64E-01	1.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	6.98E+01	6.98E+01	6.92E+01	6.80E+01	6.45E+01	6.06E+01	5.13E+01	0.00E+00	5.72E-27
Avg	0.00E+00	1.90E+01	1.90E+01	1.86E+01	1.77E+01	1.54E+01	1.29E+01	6.50E+00	0.00E+00	1.97E-29
Std	0.00E+00	8.25E+00	8.25E+00	8.24E+00	8.21E+00	8.05E+00	7.99E+00	7.64E+00	0.00E+00	0.00E+00

ΣALL is total dose summed for all nuclides.

0
0Nuclide

Probabilistic Risk Summary
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
Ra-228								
Min	1.67E-05	7.97E-06	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.73E-04	9.88E-04	9.98E-04	5.18E-04	3.70E-05	2.74E-09	0.00E+00	0.00E+00
Avg	2.17E-04	2.50E-04	2.51E-04	1.17E-04	5.98E-06	2.11E-10	0.00E+00	0.00E+00
Std	1.06E-04	1.18E-04	1.20E-04	6.56E-05	4.95E-06	3.64E-10	0.00E+00	0.00E+00
Th-228								
Min	2.39E-05	1.37E-05	3.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.90E-04	5.50E-04	2.66E-04	2.09E-05	1.46E-08	1.23E-19	0.00E+00	0.00E+00
Avg	2.32E-04	1.61E-04	7.71E-05	5.90E-06	3.71E-09	1.74E-20	0.00E+00	0.00E+00
Std	9.88E-05	6.89E-05	3.35E-05	2.68E-06	2.01E-09	1.96E-20	0.00E+00	0.00E+00
Th-232								
Min	7.81E-09	1.27E-06	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.54E-06	1.13E-04	3.55E-04	9.92E-04	1.40E-03	1.20E-03	0.00E+00	0.00E+00
Avg	3.24E-07	2.83E-05	8.92E-05	2.38E-04	2.96E-04	1.52E-04	0.00E+00	0.00E+00
Std	2.21E-07	1.35E-05	4.26E-05	1.22E-04	1.83E-04	1.78E-04	0.00E+00	0.00E+00
ΣALL								
Min	4.07E-05	2.29E-05	6.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.67E-03	1.65E-03	1.62E-03	1.53E-03	1.43E-03	1.20E-03	0.00E+00	0.00E+00
Avg	4.49E-04	4.39E-04	4.17E-04	3.62E-04	3.02E-04	1.52E-04	0.00E+00	0.00E+00
Std	1.95E-04	1.95E-04	1.94E-04	1.90E-04	1.88E-04	1.78E-04	0.00E+00	0.00E+00

ΣALL 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
Ra-228								
Min	4.92E-01	2.42E-01	4.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.49E+01	3.00E+01	3.18E+01	1.72E+01	1.25E+00	9.63E-05	0.00E+00	0.00E+00
Avg	7.44E+00	8.70E+00	8.85E+00	4.18E+00	2.14E-01	7.71E-06	0.00E+00	0.00E+00
Std	3.16E+00	3.82E+00	4.10E+00	2.29E+00	1.74E-01	1.33E-05	0.00E+00	0.00E+00
Th-228								
Min	8.08E-01	4.49E-01	9.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.88E+01	2.01E+01	9.70E+00	7.63E-01	5.32E-04	4.49E-15	0.00E+00	0.00E+00
Avg	8.47E+00	5.87E+00	2.82E+00	2.15E-01	1.35E-04	6.34E-16	0.00E+00	0.00E+00
Std	3.62E+00	2.52E+00	1.23E+00	9.82E-02	7.38E-05	7.18E-16	0.00E+00	0.00E+00
Th-232								
Min	3.12E-02	6.21E-02	4.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.43E+00	4.78E+00	1.24E+01	3.33E+01	4.75E+01	4.29E+01	0.00E+00	0.00E+00
Avg	4.30E-01	1.41E+00	3.55E+00	8.86E+00	1.10E+01	5.73E+00	0.00E+00	0.00E+00
Std	1.82E-01	6.08E-01	1.59E+00	4.37E+00	6.57E+00	6.65E+00	0.00E+00	0.00E+00
ΣALL								
Min	1.33E+00	7.54E-01	1.84E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.52E+01	5.48E+01	5.39E+01	5.13E+01	4.87E+01	4.29E+01	0.00E+00	0.00E+00
Avg	1.63E+01	1.60E+01	1.52E+01	1.33E+01	1.12E+01	5.73E+00	0.00E+00	0.00E+00
Std	6.96E+00	6.95E+00	6.91E+00	6.75E+00	6.73E+00	6.65E+00	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
	DOSE(i,j,t), mrem/yr							
Ra-228								
Min	2.43E-05	2.94E-05	7.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.12E-02	2.56E-02	3.69E-02	2.36E-02	1.74E-03	1.04E-07	0.00E+00	0.00E+00
Avg	2.46E-03	5.54E-03	7.71E-03	4.35E-03	2.25E-04	7.16E-09	0.00E+00	0.00E+00
Std	2.04E-03	4.64E-03	6.57E-03	3.98E-03	2.56E-04	1.47E-08	0.00E+00	0.00E+00
Th-228								
Min	1.72E-04	9.22E-05	1.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.60E-02	3.90E-02	1.89E-02	1.49E-03	1.06E-06	7.98E-18	0.00E+00	0.00E+00
Avg	1.24E-02	8.56E-03	4.09E-03	3.08E-04	1.86E-07	7.82E-19	0.00E+00	0.00E+00
Std	1.02E-02	7.11E-03	3.42E-03	2.66E-04	1.79E-07	1.23E-18	0.00E+00	0.00E+00
Th-232								
Min	9.70E-04	7.47E-04	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.17E-01	3.20E-01	3.27E-01	3.55E-01	3.75E-01	2.92E-01	0.00E+00	0.00E+00
Avg	7.02E-02	7.02E-02	7.09E-02	7.26E-02	6.46E-02	2.84E-02	0.00E+00	0.00E+00
Std	5.81E-02	5.83E-02	5.94E-02	6.29E-02	6.26E-02	4.49E-02	0.00E+00	0.00E+00
ΣALL								
Min	1.17E-03	8.69E-04	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.84E-01	3.84E-01	3.83E-01	3.80E-01	3.77E-01	2.92E-01	0.00E+00	0.00E+00
Avg	8.51E-02	8.43E-02	8.27E-02	7.73E-02	6.48E-02	2.84E-02	0.00E+00	0.00E+00
Std	7.04E-02	7.01E-02	6.94E-02	6.71E-02	6.29E-02	4.49E-02	0.00E+00	0.00E+00

ΣALL 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
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-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
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL 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
Ra-228								
Min	1.40E-02	3.59E-03	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.28E+01	1.11E+01	8.37E+00	3.07E+00	1.71E-01	9.72E-06	0.00E+00	0.00E+00
Avg	1.66E+00	1.42E+00	1.04E+00	3.54E-01	1.68E-02	5.19E-07	0.00E+00	0.00E+00
Std	1.85E+00	1.61E+00	1.22E+00	4.50E-01	2.60E-02	1.21E-06	0.00E+00	0.00E+00
Th-228								
Min	2.64E-04	1.42E-04	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.60E-01	1.11E-01	5.33E-02	4.11E-03	2.70E-06	1.83E-17	0.00E+00	0.00E+00
Avg	2.10E-02	1.45E-02	6.93E-03	5.17E-04	3.06E-07	1.24E-18	0.00E+00	0.00E+00
Std	2.32E-02	1.60E-02	7.70E-03	5.90E-04	3.81E-07	2.35E-18	0.00E+00	0.00E+00
Th-232								
Min	1.93E-03	2.26E-03	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.38E+00	2.80E+00	5.10E+00	9.36E+00	1.09E+01	7.76E+00	0.00E+00	0.00E+00
Avg	1.81E-01	3.63E-01	6.50E-01	1.13E+00	1.18E+00	5.22E-01	0.00E+00	0.00E+00
Std	2.00E-01	4.06E-01	7.40E-01	1.35E+00	1.56E+00	1.01E+00	0.00E+00	0.00E+00
ΣALL								
Min	1.62E-02	5.99E-03	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.43E+01	1.40E+01	1.35E+01	1.24E+01	1.11E+01	7.76E+00	0.00E+00	0.00E+00
Avg	1.86E+00	1.80E+00	1.70E+00	1.49E+00	1.20E+00	5.22E-01	0.00E+00	0.00E+00
Std	2.08E+00	2.03E+00	1.96E+00	1.80E+00	1.58E+00	1.01E+00	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
	DOSE(i,j,t), mrem/yr							
Ra-228								
Min	1.86E-03	4.95E-04	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.06E-01	7.03E-01	5.30E-01	1.96E-01	1.16E-02	7.74E-07	0.00E+00	0.00E+00
Avg	1.78E-01	1.54E-01	1.14E-01	3.87E-02	1.85E-03	5.94E-08	0.00E+00	0.00E+00
Std	1.20E-01	1.05E-01	8.09E-02	3.13E-02	1.97E-03	1.11E-07	0.00E+00	0.00E+00
Th-228								
Min	7.91E-05	4.25E-05	8.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.40E-03	6.54E-03	3.17E-03	2.50E-04	1.77E-07	1.67E-18	0.00E+00	0.00E+00
Avg	4.89E-03	3.38E-03	1.62E-03	1.22E-04	7.35E-08	3.15E-19	0.00E+00	0.00E+00
Std	2.70E-03	1.88E-03	9.12E-04	7.28E-05	5.30E-08	4.39E-19	0.00E+00	0.00E+00
Th-232								
Min	4.15E-04	4.24E-04	1.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.46E-02	1.63E-01	3.10E-01	5.84E-01	6.99E-01	5.57E-01	0.00E+00	0.00E+00
Avg	2.86E-02	4.80E-02	7.91E-02	1.32E-01	1.38E-01	6.31E-02	0.00E+00	0.00E+00
Std	1.56E-02	2.79E-02	4.96E-02	9.27E-02	1.14E-01	9.00E-02	0.00E+00	0.00E+00
ΣALL								
Min	2.35E-03	9.62E-04	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.90E-01	8.72E-01	8.43E-01	7.80E-01	7.10E-01	5.57E-01	0.00E+00	0.00E+00
Avg	2.12E-01	2.05E-01	1.94E-01	1.71E-01	1.40E-01	6.31E-02	0.00E+00	0.00E+00
Std	1.35E-01	1.34E-01	1.31E-01	1.24E-01	1.16E-01	9.00E-02	0.00E+00	0.00E+00

ΣALL 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
Ra-228								
Min	3.71E-03	9.48E-04	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.57E+00	1.36E+00	1.02E+00	3.74E-01	2.24E-02	1.51E-06	0.00E+00	0.00E+00
Avg	3.71E-01	3.17E-01	2.31E-01	7.74E-02	3.68E-03	1.19E-07	0.00E+00	0.00E+00
Std	2.38E-01	2.08E-01	1.59E-01	6.11E-02	3.87E-03	2.20E-07	0.00E+00	0.00E+00
Th-228								
Min	9.04E-06	4.84E-06	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.07E-03	7.46E-04	3.61E-04	2.85E-05	2.02E-08	1.92E-19	0.00E+00	0.00E+00
Avg	5.64E-04	3.90E-04	1.86E-04	1.40E-05	8.47E-09	3.64E-20	0.00E+00	0.00E+00
Std	3.11E-04	2.17E-04	1.05E-04	8.41E-06	6.13E-09	5.07E-20	0.00E+00	0.00E+00
Th-232								
Min	2.62E-04	4.06E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.51E-02	2.58E-01	5.41E-01	1.07E+00	1.29E+00	1.03E+00	0.00E+00	0.00E+00
Avg	2.31E-02	6.37E-02	1.28E-01	2.36E-01	2.52E-01	1.16E-01	0.00E+00	0.00E+00
Std	1.37E-02	4.02E-02	8.40E-02	1.69E-01	2.11E-01	1.66E-01	0.00E+00	0.00E+00
ΣALL								
Min	3.98E-03	1.36E-03	2.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.65E+00	1.62E+00	1.56E+00	1.44E+00	1.31E+00	1.03E+00	0.00E+00	0.00E+00
Avg	3.95E-01	3.81E-01	3.59E-01	3.13E-01	2.56E-01	1.16E-01	0.00E+00	0.00E+00
Std	2.52E-01	2.49E-01	2.43E-01	2.30E-01	2.15E-01	1.66E-01	0.00E+00	0.00E+00

ΣALL 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
Ra-228								
Min	2.86E-04	9.87E-05	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.96E-01	1.97E-01	1.79E-01	8.52E-02	6.16E-03	5.39E-07	0.00E+00	0.00E+00
Avg	3.57E-02	3.50E-02	3.04E-02	1.25E-02	6.19E-04	2.01E-08	0.00E+00	0.00E+00
Std	3.52E-02	3.50E-02	3.10E-02	1.37E-02	8.28E-04	5.00E-08	0.00E+00	0.00E+00
Th-228								
Min	2.00E-04	1.07E-04	2.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.00E-02	6.27E-02	3.04E-02	2.40E-03	1.71E-06	1.65E-17	0.00E+00	0.00E+00
Avg	1.66E-02	1.15E-02	5.47E-03	4.12E-04	2.49E-07	1.03E-18	0.00E+00	0.00E+00
Std	1.63E-02	1.13E-02	5.45E-03	4.21E-04	2.81E-07	1.92E-18	0.00E+00	0.00E+00
Th-232								
Min	8.19E-04	6.46E-04	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.74E-01	3.98E-01	4.43E-01	5.53E-01	6.26E-01	6.31E-01	0.00E+00	0.00E+00
Avg	6.88E-02	7.26E-02	7.95E-02	9.26E-02	8.74E-02	3.85E-02	0.00E+00	0.00E+00
Std	6.77E-02	7.18E-02	7.93E-02	9.55E-02	9.98E-02	7.22E-02	0.00E+00	0.00E+00
ΣALL								
Min	1.30E-03	8.52E-04	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.60E-01	6.57E-01	6.52E-01	6.41E-01	6.33E-01	6.31E-01	0.00E+00	0.00E+00
Avg	1.21E-01	1.19E-01	1.15E-01	1.06E-01	8.81E-02	3.85E-02	0.00E+00	0.00E+00
Std	1.19E-01	1.18E-01	1.16E-01	1.09E-01	1.01E-01	7.22E-02	0.00E+00	0.00E+00

ΣALL 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
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-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	3.57E-27
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-29
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-27
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-29
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL 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
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-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	1.62E-27
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-30
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-27
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-30
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL 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
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-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
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL 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
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-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	2.41E-28
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-31
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-28
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-31
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
	DOSE(i,j,t), mrem/yr							
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-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	6.56E-29
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-31
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-29
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-31
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
	DOSE(i,j,t), mrem/yr							
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-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	2.30E-28
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-31
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-28
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-31
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	6.24E+00	5.51E+00	4.58E+00	2.63E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	7.31E+00	6.77E+00	5.75E+00	3.71E+00	5.03E-01	0.00E+00	0.00E+00	0.00E+00
0.075	9.04E+00	8.50E+00	7.20E+00	4.73E+00	2.18E+00	0.00E+00	0.00E+00	0.00E+00
0.100	9.53E+00	8.99E+00	7.77E+00	5.83E+00	2.85E+00	0.00E+00	0.00E+00	0.00E+00
0.125	9.98E+00	9.45E+00	8.66E+00	6.72E+00	3.91E+00	0.00E+00	0.00E+00	0.00E+00
0.150	1.10E+01	1.06E+01	9.79E+00	7.18E+00	4.62E+00	0.00E+00	0.00E+00	0.00E+00
0.175	1.18E+01	1.14E+01	1.05E+01	8.23E+00	5.33E+00	0.00E+00	0.00E+00	0.00E+00
0.200	1.28E+01	1.23E+01	1.12E+01	8.89E+00	6.31E+00	0.00E+00	0.00E+00	0.00E+00
0.225	1.36E+01	1.32E+01	1.23E+01	9.58E+00	7.00E+00	0.00E+00	0.00E+00	0.00E+00
0.250	1.43E+01	1.39E+01	1.28E+01	1.08E+01	7.77E+00	0.00E+00	0.00E+00	0.00E+00
0.275	1.47E+01	1.42E+01	1.33E+01	1.12E+01	8.49E+00	0.00E+00	0.00E+00	0.00E+00
0.300	1.52E+01	1.47E+01	1.39E+01	1.16E+01	8.93E+00	0.00E+00	0.00E+00	0.00E+00
0.325	1.57E+01	1.53E+01	1.43E+01	1.20E+01	9.39E+00	0.00E+00	0.00E+00	0.00E+00
0.350	1.58E+01	1.55E+01	1.47E+01	1.24E+01	1.00E+01	0.00E+00	0.00E+00	0.00E+00
0.375	1.61E+01	1.57E+01	1.50E+01	1.29E+01	1.04E+01	0.00E+00	0.00E+00	0.00E+00
0.400	1.62E+01	1.59E+01	1.52E+01	1.33E+01	1.07E+01	0.00E+00	0.00E+00	0.00E+00
0.425	1.67E+01	1.62E+01	1.53E+01	1.35E+01	1.13E+01	1.30E+00	0.00E+00	0.00E+00
0.450	1.71E+01	1.66E+01	1.59E+01	1.39E+01	1.16E+01	2.15E+00	0.00E+00	0.00E+00
0.475	1.73E+01	1.69E+01	1.62E+01	1.43E+01	1.18E+01	2.80E+00	0.00E+00	0.00E+00
0.500	1.78E+01	1.74E+01	1.68E+01	1.46E+01	1.21E+01	3.56E+00	0.00E+00	0.00E+00
0.525	1.82E+01	1.78E+01	1.71E+01	1.51E+01	1.25E+01	4.67E+00	0.00E+00	0.00E+00
0.550	1.85E+01	1.81E+01	1.75E+01	1.54E+01	1.29E+01	5.47E+00	0.00E+00	0.00E+00
0.575	1.90E+01	1.87E+01	1.79E+01	1.59E+01	1.32E+01	6.65E+00	0.00E+00	0.00E+00
0.600	1.98E+01	1.90E+01	1.83E+01	1.62E+01	1.39E+01	7.14E+00	0.00E+00	0.00E+00
0.625	2.00E+01	1.96E+01	1.88E+01	1.66E+01	1.45E+01	7.78E+00	0.00E+00	0.00E+00
0.650	2.06E+01	2.00E+01	1.93E+01	1.72E+01	1.50E+01	8.55E+00	0.00E+00	0.00E+00
0.675	2.13E+01	2.08E+01	2.01E+01	1.76E+01	1.56E+01	9.66E+00	0.00E+00	0.00E+00
0.700	2.22E+01	2.18E+01	2.07E+01	1.85E+01	1.61E+01	1.08E+01	0.00E+00	0.00E+00
0.725	2.27E+01	2.22E+01	2.10E+01	1.89E+01	1.64E+01	1.13E+01	0.00E+00	0.00E+00
0.750	2.34E+01	2.26E+01	2.16E+01	1.95E+01	1.75E+01	1.20E+01	0.00E+00	0.00E+00
0.775	2.39E+01	2.34E+01	2.26E+01	2.00E+01	1.77E+01	1.25E+01	0.00E+00	0.00E+00
0.800	2.44E+01	2.40E+01	2.34E+01	2.11E+01	1.83E+01	1.29E+01	0.00E+00	0.00E+00
0.825	2.57E+01	2.52E+01	2.43E+01	2.14E+01	1.92E+01	1.38E+01	0.00E+00	0.00E+00
0.850	2.63E+01	2.60E+01	2.51E+01	2.27E+01	1.99E+01	1.49E+01	0.00E+00	0.00E+00
0.875	2.72E+01	2.67E+01	2.61E+01	2.37E+01	2.18E+01	1.56E+01	0.00E+00	0.00E+00
0.900	2.86E+01	2.83E+01	2.71E+01	2.47E+01	2.26E+01	1.75E+01	0.00E+00	0.00E+00
0.925	3.01E+01	2.93E+01	2.82E+01	2.59E+01	2.40E+01	1.81E+01	0.00E+00	0.00E+00
0.950	3.34E+01	3.29E+01	3.22E+01	2.96E+01	2.70E+01	2.01E+01	0.00E+00	0.00E+00
0.975	3.83E+01	3.80E+01	3.72E+01	3.45E+01	3.08E+01	2.31E+01	0.00E+00	0.00E+00
1.000	6.98E+01	6.92E+01	6.80E+01	6.45E+01	6.06E+01	5.13E+01	0.00E+00	5.72E-27

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.20E+00	4.47E+01	1.91E+01	1.83E+01	2.94E+01	3.71E+01	4.06E+01	4.47E+01
1.00E+00	1.49E+00	4.44E+01	1.87E+01	1.80E+01	2.87E+01	3.65E+01	4.00E+01	4.44E+01
1.06E+00	1.46E+00	4.44E+01	1.86E+01	1.79E+01	2.87E+01	3.64E+01	3.99E+01	4.43E+01
1.12E+00	1.42E+00	4.43E+01	1.86E+01	1.79E+01	2.86E+01	3.64E+01	3.99E+01	4.43E+01
1.19E+00	1.39E+00	4.43E+01	1.86E+01	1.79E+01	2.86E+01	3.63E+01	3.98E+01	4.43E+01
1.25E+00	1.35E+00	4.43E+01	1.85E+01	1.79E+01	2.85E+01	3.63E+01	3.98E+01	4.43E+01
1.33E+00	1.31E+00	4.43E+01	1.85E+01	1.79E+01	2.85E+01	3.62E+01	3.98E+01	4.42E+01
1.40E+00	1.28E+00	4.42E+01	1.85E+01	1.79E+01	2.84E+01	3.62E+01	3.97E+01	4.42E+01
1.49E+00	1.24E+00	4.42E+01	1.84E+01	1.79E+01	2.84E+01	3.61E+01	3.96E+01	4.42E+01
1.57E+00	1.19E+00	4.42E+01	1.84E+01	1.78E+01	2.83E+01	3.60E+01	3.96E+01	4.41E+01
1.66E+00	1.15E+00	4.41E+01	1.84E+01	1.78E+01	2.82E+01	3.60E+01	3.95E+01	4.41E+01
1.76E+00	1.11E+00	4.41E+01	1.83E+01	1.77E+01	2.82E+01	3.59E+01	3.95E+01	4.41E+01
1.86E+00	1.07E+00	4.41E+01	1.83E+01	1.77E+01	2.81E+01	3.58E+01	3.94E+01	4.40E+01
1.97E+00	1.02E+00	4.40E+01	1.82E+01	1.77E+01	2.81E+01	3.58E+01	3.93E+01	4.40E+01
2.09E+00	9.78E-01	4.40E+01	1.82E+01	1.76E+01	2.81E+01	3.57E+01	3.92E+01	4.39E+01
2.21E+00	9.32E-01	4.39E+01	1.81E+01	1.76E+01	2.80E+01	3.56E+01	3.92E+01	4.39E+01
2.34E+00	8.86E-01	4.39E+01	1.80E+01	1.75E+01	2.80E+01	3.55E+01	3.91E+01	4.39E+01
2.47E+00	8.40E-01	4.38E+01	1.80E+01	1.74E+01	2.79E+01	3.54E+01	3.90E+01	4.38E+01
2.62E+00	7.94E-01	4.38E+01	1.79E+01	1.72E+01	2.78E+01	3.53E+01	3.89E+01	4.37E+01
2.77E+00	7.47E-01	4.37E+01	1.79E+01	1.71E+01	2.78E+01	3.52E+01	3.88E+01	4.37E+01
2.93E+00	7.01E-01	4.37E+01	1.78E+01	1.70E+01	2.77E+01	3.51E+01	3.87E+01	4.36E+01
3.00E+00	6.82E-01	4.36E+01	1.78E+01	1.70E+01	2.77E+01	3.51E+01	3.87E+01	4.36E+01
3.10E+00	6.55E-01	4.36E+01	1.77E+01	1.69E+01	2.77E+01	3.50E+01	3.86E+01	4.36E+01
3.28E+00	6.09E-01	4.35E+01	1.76E+01	1.69E+01	2.76E+01	3.49E+01	3.85E+01	4.35E+01
3.48E+00	5.63E-01	4.35E+01	1.76E+01	1.68E+01	2.75E+01	3.47E+01	3.84E+01	4.34E+01
3.68E+00	5.18E-01	4.34E+01	1.75E+01	1.67E+01	2.75E+01	3.46E+01	3.82E+01	4.33E+01
3.89E+00	4.74E-01	4.33E+01	1.74E+01	1.66E+01	2.74E+01	3.45E+01	3.81E+01	4.33E+01
4.12E+00	4.30E-01	4.32E+01	1.73E+01	1.66E+01	2.73E+01	3.43E+01	3.80E+01	4.32E+01
4.36E+00	3.87E-01	4.31E+01	1.72E+01	1.65E+01	2.72E+01	3.42E+01	3.78E+01	4.31E+01
4.61E+00	3.44E-01	4.30E+01	1.71E+01	1.64E+01	2.71E+01	3.40E+01	3.77E+01	4.30E+01
4.88E+00	3.03E-01	4.30E+01	1.70E+01	1.63E+01	2.71E+01	3.39E+01	3.75E+01	4.29E+01
5.17E+00	2.63E-01	4.29E+01	1.69E+01	1.62E+01	2.69E+01	3.37E+01	3.74E+01	4.28E+01
5.47E+00	2.23E-01	4.28E+01	1.68E+01	1.61E+01	2.68E+01	3.35E+01	3.72E+01	4.27E+01
5.78E+00	1.84E-01	4.27E+01	1.67E+01	1.61E+01	2.66E+01	3.33E+01	3.70E+01	4.26E+01
6.12E+00	1.45E-01	4.25E+01	1.66E+01	1.60E+01	2.65E+01	3.31E+01	3.69E+01	4.25E+01
6.48E+00	1.07E-01	4.24E+01	1.64E+01	1.60E+01	2.64E+01	3.30E+01	3.67E+01	4.24E+01
6.86E+00	6.88E-02	4.23E+01	1.63E+01	1.59E+01	2.63E+01	3.28E+01	3.65E+01	4.23E+01
7.26E+00	3.18E-02	4.22E+01	1.62E+01	1.58E+01	2.62E+01	3.26E+01	3.63E+01	4.22E+01
7.68E+00	7.52E-03	4.21E+01	1.61E+01	1.57E+01	2.60E+01	3.24E+01	3.61E+01	4.20E+01
8.13E+00	2.52E-06	4.20E+01	1.60E+01	1.55E+01	2.59E+01	3.22E+01	3.59E+01	4.19E+01
8.60E+00	0.00E+00	4.18E+01	1.58E+01	1.54E+01	2.58E+01	3.20E+01	3.58E+01	4.18E+01
9.10E+00	0.00E+00	4.17E+01	1.57E+01	1.53E+01	2.57E+01	3.17E+01	3.56E+01	4.17E+01
9.63E+00	0.00E+00	4.16E+01	1.56E+01	1.52E+01	2.56E+01	3.15E+01	3.54E+01	4.15E+01
1.00E+01	0.00E+00	4.15E+01	1.55E+01	1.51E+01	2.55E+01	3.14E+01	3.52E+01	4.14E+01
1.02E+01	0.00E+00	4.14E+01	1.55E+01	1.51E+01	2.55E+01	3.13E+01	3.52E+01	4.14E+01
1.08E+01	0.00E+00	4.13E+01	1.53E+01	1.50E+01	2.53E+01	3.11E+01	3.50E+01	4.13E+01

1.14E+01	0.00E+00	4.12E+01	1.52E+01	1.49E+01	2.52E+01	3.09E+01	3.48E+01	4.11E+01
1.21E+01	0.00E+00	4.11E+01	1.51E+01	1.48E+01	2.51E+01	3.07E+01	3.46E+01	4.10E+01
1.28E+01	0.00E+00	4.09E+01	1.50E+01	1.46E+01	2.50E+01	3.05E+01	3.44E+01	4.09E+01
1.35E+01	0.00E+00	4.08E+01	1.48E+01	1.44E+01	2.49E+01	3.03E+01	3.42E+01	4.07E+01
1.43E+01	0.00E+00	4.07E+01	1.47E+01	1.43E+01	2.48E+01	3.00E+01	3.40E+01	4.06E+01
1.51E+01	0.00E+00	4.05E+01	1.46E+01	1.42E+01	2.47E+01	2.98E+01	3.39E+01	4.05E+01
1.60E+01	0.00E+00	4.04E+01	1.45E+01	1.41E+01	2.46E+01	2.97E+01	3.37E+01	4.03E+01
1.70E+01	0.00E+00	4.03E+01	1.43E+01	1.40E+01	2.45E+01	2.96E+01	3.35E+01	4.02E+01
1.80E+01	0.00E+00	4.01E+01	1.42E+01	1.39E+01	2.43E+01	2.94E+01	3.33E+01	4.01E+01
1.90E+01	0.00E+00	4.00E+01	1.41E+01	1.38E+01	2.42E+01	2.93E+01	3.32E+01	3.99E+01
2.01E+01	0.00E+00	3.99E+01	1.40E+01	1.36E+01	2.41E+01	2.92E+01	3.30E+01	3.98E+01
2.13E+01	0.00E+00	3.97E+01	1.38E+01	1.35E+01	2.40E+01	2.91E+01	3.28E+01	3.97E+01
2.25E+01	0.00E+00	3.96E+01	1.37E+01	1.34E+01	2.39E+01	2.90E+01	3.26E+01	3.95E+01
2.38E+01	0.00E+00	3.95E+01	1.36E+01	1.32E+01	2.38E+01	2.89E+01	3.25E+01	3.94E+01
2.52E+01	0.00E+00	3.93E+01	1.34E+01	1.30E+01	2.37E+01	2.88E+01	3.23E+01	3.93E+01
2.67E+01	0.00E+00	3.92E+01	1.33E+01	1.28E+01	2.36E+01	2.87E+01	3.21E+01	3.91E+01
2.82E+01	0.00E+00	3.90E+01	1.32E+01	1.27E+01	2.35E+01	2.86E+01	3.20E+01	3.90E+01
2.99E+01	0.00E+00	3.89E+01	1.30E+01	1.25E+01	2.34E+01	2.84E+01	3.18E+01	3.88E+01
3.00E+01	0.00E+00	3.89E+01	1.30E+01	1.25E+01	2.34E+01	2.84E+01	3.18E+01	3.88E+01
3.16E+01	0.00E+00	3.87E+01	1.28E+01	1.23E+01	2.33E+01	2.83E+01	3.17E+01	3.87E+01
3.35E+01	0.00E+00	3.86E+01	1.27E+01	1.22E+01	2.32E+01	2.82E+01	3.16E+01	3.85E+01
3.54E+01	0.00E+00	3.84E+01	1.25E+01	1.20E+01	2.31E+01	2.80E+01	3.14E+01	3.84E+01
3.75E+01	0.00E+00	3.82E+01	1.23E+01	1.19E+01	2.30E+01	2.79E+01	3.13E+01	3.82E+01
3.97E+01	0.00E+00	3.80E+01	1.21E+01	1.16E+01	2.28E+01	2.77E+01	3.12E+01	3.80E+01
4.20E+01	0.00E+00	3.78E+01	1.19E+01	1.15E+01	2.27E+01	2.76E+01	3.10E+01	3.78E+01
4.44E+01	0.00E+00	3.76E+01	1.17E+01	1.13E+01	2.25E+01	2.74E+01	3.09E+01	3.76E+01
4.70E+01	0.00E+00	3.74E+01	1.14E+01	1.10E+01	2.23E+01	2.72E+01	3.07E+01	3.73E+01
4.97E+01	0.00E+00	3.71E+01	1.12E+01	1.09E+01	2.21E+01	2.70E+01	3.05E+01	3.71E+01
5.26E+01	0.00E+00	3.69E+01	1.09E+01	1.06E+01	2.16E+01	2.68E+01	3.03E+01	3.68E+01
5.57E+01	0.00E+00	3.66E+01	1.06E+01	1.04E+01	2.12E+01	2.66E+01	3.01E+01	3.65E+01
5.90E+01	0.00E+00	3.63E+01	1.03E+01	1.00E+01	2.09E+01	2.62E+01	2.99E+01	3.62E+01
6.24E+01	0.00E+00	3.59E+01	9.98E+00	9.43E+00	2.06E+01	2.56E+01	2.96E+01	3.59E+01
6.60E+01	0.00E+00	3.55E+01	9.64E+00	8.93E+00	2.03E+01	2.50E+01	2.94E+01	3.55E+01
6.99E+01	0.00E+00	3.51E+01	9.27E+00	8.49E+00	1.97E+01	2.44E+01	2.91E+01	3.51E+01
7.39E+01	0.00E+00	3.46E+01	8.88E+00	7.91E+00	1.93E+01	2.37E+01	2.88E+01	3.46E+01
7.82E+01	0.00E+00	3.41E+01	8.46E+00	7.20E+00	1.91E+01	2.29E+01	2.85E+01	3.41E+01
8.28E+01	0.00E+00	3.36E+01	8.04E+00	6.30E+00	1.88E+01	2.20E+01	2.81E+01	3.35E+01
8.76E+01	0.00E+00	3.30E+01	7.58E+00	5.52E+00	1.85E+01	2.11E+01	2.77E+01	3.29E+01
9.27E+01	0.00E+00	3.23E+01	7.12E+00	4.74E+00	1.80E+01	2.01E+01	2.73E+01	3.22E+01
9.81E+01	0.00E+00	3.15E+01	6.66E+00	3.61E+00	1.74E+01	1.89E+01	2.68E+01	3.15E+01
1.00E+02	0.00E+00	3.12E+01	6.51E+00	3.32E+00	1.72E+01	1.85E+01	2.66E+01	3.12E+01
1.04E+02	0.00E+00	3.06E+01	6.20E+00	2.66E+00	1.68E+01	1.80E+01	2.63E+01	3.06E+01
1.10E+02	0.00E+00	2.97E+01	5.74E+00	1.37E+00	1.61E+01	1.73E+01	2.57E+01	2.97E+01
1.16E+02	0.00E+00	2.86E+01	5.26E+00	1.16E-02	1.50E+01	1.66E+01	2.51E+01	2.86E+01
1.23E+02	0.00E+00	2.73E+01	4.76E+00	0.00E+00	1.47E+01	1.60E+01	2.44E+01	2.73E+01
1.30E+02	0.00E+00	2.61E+01	4.27E+00	0.00E+00	1.37E+01	1.54E+01	2.35E+01	2.61E+01
1.38E+02	0.00E+00	2.53E+01	3.81E+00	0.00E+00	1.31E+01	1.47E+01	2.23E+01	2.53E+01
1.46E+02	0.00E+00	2.43E+01	3.36E+00	0.00E+00	1.26E+01	1.39E+01	2.09E+01	2.43E+01
1.54E+02	0.00E+00	2.33E+01	2.90E+00	0.00E+00	1.17E+01	1.34E+01	1.92E+01	2.32E+01
1.63E+02	0.00E+00	2.20E+01	2.47E+00	0.00E+00	1.08E+01	1.29E+01	1.74E+01	2.20E+01

1.73E+02	0.00E+00	2.06E+01	2.03E+00	0.00E+00	9.68E+00	1.24E+01	1.52E+01	2.05E+01
1.83E+02	0.00E+00	1.89E+01	1.62E+00	0.00E+00	8.44E+00	1.07E+01	1.28E+01	1.88E+01
1.94E+02	0.00E+00	1.69E+01	1.24E+00	0.00E+00	6.61E+00	9.67E+00	1.15E+01	1.68E+01
2.05E+02	0.00E+00	1.45E+01	8.84E-01	0.00E+00	4.83E+00	8.67E+00	1.00E+01	1.44E+01
2.17E+02	0.00E+00	1.15E+01	6.02E-01	0.00E+00	1.57E+00	6.89E+00	8.63E+00	1.15E+01
2.29E+02	0.00E+00	8.49E+00	3.72E-01	0.00E+00	0.00E+00	4.26E+00	7.14E+00	8.49E+00
2.43E+02	0.00E+00	7.21E+00	1.97E-01	0.00E+00	0.00E+00	1.51E+00	4.49E+00	7.19E+00
2.57E+02	0.00E+00	5.66E+00	9.72E-02	0.00E+00	0.00E+00	0.00E+00	1.99E+00	5.63E+00
2.72E+02	0.00E+00	3.69E+00	3.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E+00
2.88E+02	0.00E+00	2.97E-01	2.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-01
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	4.26E-23	4.26E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-23
4.28E+02	0.00E+00	1.27E-22	1.27E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-22
4.53E+02	0.00E+00	8.73E-23	8.95E-25	0.00E+00	0.00E+00	0.00E+00	1.02E-24	8.65E-23
4.79E+02	0.00E+00	5.52E-23	5.67E-25	0.00E+00	0.00E+00	0.00E+00	6.90E-25	5.47E-23
5.07E+02	0.00E+00	3.26E-23	3.35E-25	0.00E+00	0.00E+00	1.82E-29	4.13E-25	3.23E-23
5.36E+02	0.00E+00	1.72E-23	1.77E-25	0.00E+00	0.00E+00	3.22E-29	2.26E-25	1.71E-23
5.68E+02	0.00E+00	7.36E-24	7.59E-26	0.00E+00	0.00E+00	3.22E-29	1.08E-25	7.29E-24
6.01E+02	0.00E+00	1.44E-24	1.53E-26	0.00E+00	0.00E+00	2.60E-29	4.00E-26	1.43E-24
6.36E+02	0.00E+00	2.62E-25	2.78E-27	0.00E+00	0.00E+00	1.84E-29	7.71E-27	2.59E-25
6.73E+02	0.00E+00	1.76E-25	1.80E-27	0.00E+00	0.00E+00	1.17E-29	2.09E-27	1.74E-25
7.12E+02	0.00E+00	1.17E-25	1.20E-27	0.00E+00	0.00E+00	4.12E-30	1.38E-27	1.16E-25
7.53E+02	0.00E+00	7.56E-26	7.75E-28	0.00E+00	0.00E+00	0.00E+00	8.88E-28	7.49E-26
7.97E+02	0.00E+00	4.78E-26	4.89E-28	0.00E+00	0.00E+00	0.00E+00	5.54E-28	4.73E-26
8.44E+02	0.00E+00	2.94E-26	3.01E-28	0.00E+00	0.00E+00	0.00E+00	3.39E-28	2.91E-26
8.93E+02	0.00E+00	1.76E-26	1.80E-28	0.00E+00	0.00E+00	0.00E+00	2.01E-28	1.74E-26
9.45E+02	0.00E+00	1.02E-26	1.04E-28	0.00E+00	0.00E+00	0.00E+00	1.13E-28	1.01E-26
1.00E+03	0.00E+00	5.72E-27	5.85E-29	0.00E+00	0.00E+00	0.00E+00	6.30E-29	5.67E-27

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	5.48E+00	6.98E+01	1.92E+01	1.73E+01	2.75E+01	3.64E+01	4.12E+01	6.95E+01
1.00E+00	4.85E+00	6.92E+01	1.87E+01	1.70E+01	2.73E+01	3.59E+01	4.07E+01	6.89E+01
1.06E+00	4.81E+00	6.92E+01	1.87E+01	1.70E+01	2.73E+01	3.59E+01	4.06E+01	6.89E+01
1.12E+00	4.77E+00	6.91E+01	1.86E+01	1.69E+01	2.72E+01	3.59E+01	4.06E+01	6.89E+01
1.19E+00	4.73E+00	6.91E+01	1.86E+01	1.69E+01	2.72E+01	3.58E+01	4.06E+01	6.88E+01
1.25E+00	4.69E+00	6.91E+01	1.86E+01	1.69E+01	2.72E+01	3.58E+01	4.05E+01	6.88E+01
1.33E+00	4.65E+00	6.90E+01	1.86E+01	1.69E+01	2.72E+01	3.57E+01	4.05E+01	6.87E+01
1.40E+00	4.60E+00	6.90E+01	1.85E+01	1.68E+01	2.72E+01	3.57E+01	4.04E+01	6.87E+01
1.49E+00	4.55E+00	6.89E+01	1.85E+01	1.68E+01	2.72E+01	3.57E+01	4.04E+01	6.86E+01
1.57E+00	4.50E+00	6.89E+01	1.84E+01	1.68E+01	2.71E+01	3.56E+01	4.03E+01	6.86E+01
1.66E+00	4.45E+00	6.88E+01	1.84E+01	1.68E+01	2.71E+01	3.56E+01	4.03E+01	6.85E+01
1.76E+00	4.39E+00	6.87E+01	1.84E+01	1.68E+01	2.71E+01	3.55E+01	4.02E+01	6.85E+01
1.86E+00	4.33E+00	6.87E+01	1.83E+01	1.67E+01	2.71E+01	3.54E+01	4.02E+01	6.84E+01
1.97E+00	4.27E+00	6.86E+01	1.83E+01	1.67E+01	2.71E+01	3.54E+01	4.01E+01	6.83E+01
2.09E+00	4.21E+00	6.85E+01	1.82E+01	1.67E+01	2.70E+01	3.53E+01	4.00E+01	6.82E+01
2.21E+00	4.14E+00	6.85E+01	1.81E+01	1.66E+01	2.70E+01	3.53E+01	4.00E+01	6.82E+01
2.34E+00	4.08E+00	6.84E+01	1.81E+01	1.66E+01	2.70E+01	3.52E+01	3.99E+01	6.81E+01
2.47E+00	3.98E+00	6.83E+01	1.80E+01	1.65E+01	2.69E+01	3.51E+01	3.98E+01	6.80E+01
2.62E+00	3.87E+00	6.82E+01	1.80E+01	1.65E+01	2.69E+01	3.50E+01	3.97E+01	6.79E+01
2.77E+00	3.75E+00	6.81E+01	1.79E+01	1.64E+01	2.68E+01	3.49E+01	3.96E+01	6.78E+01
2.93E+00	3.64E+00	6.80E+01	1.78E+01	1.64E+01	2.67E+01	3.49E+01	3.95E+01	6.77E+01
3.00E+00	3.59E+00	6.80E+01	1.78E+01	1.64E+01	2.66E+01	3.48E+01	3.95E+01	6.77E+01
3.10E+00	3.52E+00	6.79E+01	1.77E+01	1.63E+01	2.65E+01	3.48E+01	3.94E+01	6.76E+01
3.28E+00	3.39E+00	6.78E+01	1.77E+01	1.63E+01	2.63E+01	3.47E+01	3.93E+01	6.75E+01
3.48E+00	3.27E+00	6.77E+01	1.76E+01	1.62E+01	2.61E+01	3.46E+01	3.92E+01	6.74E+01
3.68E+00	3.14E+00	6.75E+01	1.75E+01	1.61E+01	2.59E+01	3.45E+01	3.91E+01	6.73E+01
3.89E+00	3.02E+00	6.74E+01	1.74E+01	1.61E+01	2.57E+01	3.43E+01	3.90E+01	6.71E+01
4.12E+00	2.89E+00	6.73E+01	1.73E+01	1.60E+01	2.55E+01	3.42E+01	3.88E+01	6.70E+01
4.36E+00	2.76E+00	6.71E+01	1.72E+01	1.59E+01	2.53E+01	3.41E+01	3.87E+01	6.69E+01
4.61E+00	2.63E+00	6.70E+01	1.71E+01	1.58E+01	2.50E+01	3.40E+01	3.86E+01	6.67E+01
4.88E+00	2.50E+00	6.68E+01	1.70E+01	1.58E+01	2.48E+01	3.38E+01	3.84E+01	6.66E+01
5.17E+00	2.37E+00	6.67E+01	1.69E+01	1.57E+01	2.46E+01	3.37E+01	3.83E+01	6.64E+01
5.47E+00	2.24E+00	6.65E+01	1.68E+01	1.56E+01	2.45E+01	3.36E+01	3.81E+01	6.63E+01
5.78E+00	2.11E+00	6.64E+01	1.67E+01	1.55E+01	2.45E+01	3.34E+01	3.80E+01	6.61E+01
6.12E+00	1.99E+00	6.62E+01	1.66E+01	1.53E+01	2.44E+01	3.33E+01	3.78E+01	6.59E+01
6.48E+00	1.87E+00	6.60E+01	1.65E+01	1.52E+01	2.43E+01	3.31E+01	3.77E+01	6.57E+01
6.86E+00	1.74E+00	6.58E+01	1.64E+01	1.51E+01	2.42E+01	3.29E+01	3.75E+01	6.56E+01
7.26E+00	1.62E+00	6.56E+01	1.62E+01	1.50E+01	2.42E+01	3.28E+01	3.73E+01	6.54E+01
7.68E+00	1.50E+00	6.54E+01	1.61E+01	1.49E+01	2.41E+01	3.26E+01	3.71E+01	6.52E+01
8.13E+00	1.38E+00	6.53E+01	1.60E+01	1.48E+01	2.40E+01	3.24E+01	3.69E+01	6.50E+01
8.60E+00	1.27E+00	6.51E+01	1.59E+01	1.47E+01	2.39E+01	3.23E+01	3.68E+01	6.48E+01
9.10E+00	1.15E+00	6.49E+01	1.57E+01	1.46E+01	2.39E+01	3.21E+01	3.66E+01	6.46E+01
9.63E+00	1.03E+00	6.46E+01	1.56E+01	1.46E+01	2.38E+01	3.19E+01	3.64E+01	6.44E+01
1.00E+01	9.49E-01	6.45E+01	1.55E+01	1.44E+01	2.38E+01	3.18E+01	3.63E+01	6.42E+01
1.02E+01	9.09E-01	6.44E+01	1.55E+01	1.44E+01	2.37E+01	3.17E+01	3.62E+01	6.42E+01
1.08E+01	7.84E-01	6.42E+01	1.54E+01	1.42E+01	2.37E+01	3.16E+01	3.60E+01	6.40E+01

1.14E+01	6.54E-01	6.40E+01	1.52E+01	1.41E+01	2.36E+01	3.14E+01	3.58E+01	6.38E+01
1.21E+01	5.17E-01	6.38E+01	1.51E+01	1.41E+01	2.36E+01	3.12E+01	3.56E+01	6.36E+01
1.28E+01	3.69E-01	6.36E+01	1.50E+01	1.40E+01	2.35E+01	3.10E+01	3.54E+01	6.33E+01
1.35E+01	2.07E-01	6.34E+01	1.48E+01	1.39E+01	2.34E+01	3.08E+01	3.52E+01	6.31E+01
1.43E+01	4.51E-02	6.32E+01	1.47E+01	1.37E+01	2.34E+01	3.07E+01	3.50E+01	6.29E+01
1.51E+01	0.00E+00	6.30E+01	1.46E+01	1.36E+01	2.32E+01	3.05E+01	3.48E+01	6.27E+01
1.60E+01	0.00E+00	6.28E+01	1.45E+01	1.34E+01	2.31E+01	3.03E+01	3.46E+01	6.25E+01
1.70E+01	0.00E+00	6.26E+01	1.44E+01	1.32E+01	2.29E+01	3.02E+01	3.44E+01	6.23E+01
1.80E+01	0.00E+00	6.24E+01	1.42E+01	1.30E+01	2.28E+01	3.00E+01	3.43E+01	6.21E+01
1.90E+01	0.00E+00	6.22E+01	1.41E+01	1.28E+01	2.26E+01	2.98E+01	3.41E+01	6.19E+01
2.01E+01	0.00E+00	6.20E+01	1.40E+01	1.27E+01	2.25E+01	2.97E+01	3.39E+01	6.17E+01
2.13E+01	0.00E+00	6.18E+01	1.39E+01	1.25E+01	2.24E+01	2.95E+01	3.37E+01	6.15E+01
2.25E+01	0.00E+00	6.16E+01	1.37E+01	1.23E+01	2.23E+01	2.93E+01	3.35E+01	6.14E+01
2.38E+01	0.00E+00	6.14E+01	1.36E+01	1.22E+01	2.23E+01	2.92E+01	3.33E+01	6.12E+01
2.52E+01	0.00E+00	6.12E+01	1.35E+01	1.20E+01	2.22E+01	2.90E+01	3.31E+01	6.10E+01
2.67E+01	0.00E+00	6.10E+01	1.33E+01	1.19E+01	2.21E+01	2.88E+01	3.29E+01	6.08E+01
2.82E+01	0.00E+00	6.08E+01	1.32E+01	1.18E+01	2.20E+01	2.87E+01	3.26E+01	6.06E+01
2.99E+01	0.00E+00	6.06E+01	1.30E+01	1.17E+01	2.20E+01	2.85E+01	3.24E+01	6.04E+01
3.00E+01	0.00E+00	6.06E+01	1.30E+01	1.17E+01	2.20E+01	2.85E+01	3.24E+01	6.03E+01
3.16E+01	0.00E+00	6.04E+01	1.29E+01	1.15E+01	2.19E+01	2.83E+01	3.22E+01	6.01E+01
3.35E+01	0.00E+00	6.02E+01	1.27E+01	1.13E+01	2.18E+01	2.81E+01	3.19E+01	5.99E+01
3.54E+01	0.00E+00	6.00E+01	1.25E+01	1.11E+01	2.17E+01	2.79E+01	3.17E+01	5.97E+01
3.75E+01	0.00E+00	5.97E+01	1.23E+01	1.08E+01	2.16E+01	2.77E+01	3.14E+01	5.94E+01
3.97E+01	0.00E+00	5.95E+01	1.22E+01	1.06E+01	2.15E+01	2.75E+01	3.11E+01	5.92E+01
4.20E+01	0.00E+00	5.92E+01	1.19E+01	1.03E+01	2.14E+01	2.74E+01	3.08E+01	5.89E+01
4.44E+01	0.00E+00	5.89E+01	1.17E+01	1.01E+01	2.13E+01	2.72E+01	3.05E+01	5.86E+01
4.70E+01	0.00E+00	5.86E+01	1.15E+01	9.83E+00	2.12E+01	2.71E+01	3.01E+01	5.83E+01
4.97E+01	0.00E+00	5.83E+01	1.12E+01	9.59E+00	2.11E+01	2.69E+01	2.97E+01	5.80E+01
5.26E+01	0.00E+00	5.79E+01	1.09E+01	9.24E+00	2.09E+01	2.67E+01	2.93E+01	5.77E+01
5.57E+01	0.00E+00	5.76E+01	1.06E+01	8.91E+00	2.08E+01	2.65E+01	2.89E+01	5.73E+01
5.90E+01	0.00E+00	5.72E+01	1.03E+01	8.62E+00	2.06E+01	2.61E+01	2.84E+01	5.69E+01
6.24E+01	0.00E+00	5.67E+01	1.00E+01	8.14E+00	2.05E+01	2.58E+01	2.80E+01	5.65E+01
6.60E+01	0.00E+00	5.63E+01	9.65E+00	7.76E+00	2.03E+01	2.52E+01	2.76E+01	5.60E+01
6.99E+01	0.00E+00	5.57E+01	9.28E+00	7.40E+00	2.01E+01	2.44E+01	2.72E+01	5.55E+01
7.39E+01	0.00E+00	5.52E+01	8.90E+00	6.98E+00	1.98E+01	2.37E+01	2.68E+01	5.49E+01
7.82E+01	0.00E+00	5.46E+01	8.50E+00	6.57E+00	1.96E+01	2.29E+01	2.64E+01	5.43E+01
8.28E+01	0.00E+00	5.39E+01	8.09E+00	6.13E+00	1.93E+01	2.27E+01	2.59E+01	5.37E+01
8.76E+01	0.00E+00	5.32E+01	7.68E+00	5.63E+00	1.89E+01	2.24E+01	2.53E+01	5.29E+01
9.27E+01	0.00E+00	5.24E+01	7.25E+00	4.62E+00	1.86E+01	2.21E+01	2.47E+01	5.22E+01
9.81E+01	0.00E+00	5.16E+01	6.82E+00	3.90E+00	1.81E+01	2.18E+01	2.41E+01	5.13E+01
1.00E+02	0.00E+00	5.13E+01	6.67E+00	3.44E+00	1.77E+01	2.17E+01	2.39E+01	5.10E+01
1.04E+02	0.00E+00	5.06E+01	6.37E+00	2.69E+00	1.72E+01	2.15E+01	2.34E+01	5.03E+01
1.10E+02	0.00E+00	4.95E+01	5.92E+00	1.54E+00	1.64E+01	2.11E+01	2.26E+01	4.93E+01
1.16E+02	0.00E+00	4.84E+01	5.47E+00	7.19E-03	1.50E+01	2.07E+01	2.18E+01	4.81E+01
1.23E+02	0.00E+00	4.70E+01	5.00E+00	0.00E+00	1.42E+01	2.02E+01	2.11E+01	4.68E+01
1.30E+02	0.00E+00	4.56E+01	4.52E+00	0.00E+00	1.38E+01	1.91E+01	2.03E+01	4.53E+01
1.38E+02	0.00E+00	4.39E+01	4.02E+00	0.00E+00	1.34E+01	1.86E+01	1.95E+01	4.37E+01
1.46E+02	0.00E+00	4.20E+01	3.49E+00	0.00E+00	1.27E+01	1.79E+01	1.87E+01	4.18E+01
1.54E+02	0.00E+00	3.98E+01	3.02E+00	0.00E+00	1.19E+01	1.67E+01	1.79E+01	3.96E+01
1.63E+02	0.00E+00	3.72E+01	2.58E+00	0.00E+00	1.07E+01	1.53E+01	1.71E+01	3.70E+01

1.73E+02	0.00E+00	3.42E+01	2.14E+00	0.00E+00	9.17E+00	1.37E+01	1.61E+01	3.40E+01
1.83E+02	0.00E+00	3.08E+01	1.76E+00	0.00E+00	8.05E+00	1.22E+01	1.50E+01	3.06E+01
1.94E+02	0.00E+00	2.67E+01	1.39E+00	0.00E+00	6.72E+00	1.12E+01	1.37E+01	2.66E+01
2.05E+02	0.00E+00	2.20E+01	1.06E+00	0.00E+00	5.26E+00	1.00E+01	1.23E+01	2.19E+01
2.17E+02	0.00E+00	1.62E+01	7.46E-01	0.00E+00	1.56E+00	8.61E+00	1.05E+01	1.62E+01
2.29E+02	0.00E+00	1.04E+01	4.65E-01	0.00E+00	0.00E+00	6.53E+00	7.59E+00	1.04E+01
2.43E+02	0.00E+00	8.36E+00	2.33E-01	0.00E+00	0.00E+00	1.93E+00	5.05E+00	8.33E+00
2.57E+02	0.00E+00	5.79E+00	1.05E-01	0.00E+00	0.00E+00	0.00E+00	2.30E+00	5.76E+00
2.72E+02	0.00E+00	1.69E+00	1.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+00
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	4.27E-25	5.46E-27	0.00E+00	0.00E+00	0.00E+00	5.65E-26	4.24E-25
4.79E+02	0.00E+00	4.17E-25	4.33E-27	0.00E+00	0.00E+00	0.00E+00	7.61E-27	4.13E-25
5.07E+02	0.00E+00	2.18E-25	2.20E-27	0.00E+00	0.00E+00	5.91E-29	6.81E-28	2.16E-25
5.36E+02	0.00E+00	8.89E-26	9.04E-28	0.00E+00	0.00E+00	8.01E-29	5.14E-28	8.80E-26
5.68E+02	0.00E+00	1.13E-26	1.24E-28	0.00E+00	0.00E+00	8.06E-29	3.52E-28	1.12E-26
6.01E+02	0.00E+00	2.92E-27	3.69E-29	0.00E+00	0.00E+00	6.63E-29	2.37E-28	2.90E-27
6.36E+02	0.00E+00	2.24E-27	2.75E-29	0.00E+00	0.00E+00	4.76E-29	1.56E-28	2.22E-27
6.73E+02	0.00E+00	1.61E-27	1.92E-29	0.00E+00	0.00E+00	3.11E-29	9.64E-29	1.59E-27
7.12E+02	0.00E+00	1.08E-27	1.28E-29	0.00E+00	0.00E+00	1.98E-29	5.78E-29	1.07E-27
7.53E+02	0.00E+00	6.91E-28	8.03E-30	0.00E+00	0.00E+00	8.60E-30	3.52E-29	6.85E-28
7.97E+02	0.00E+00	4.23E-28	4.85E-30	0.00E+00	0.00E+00	4.98E-30	2.09E-29	4.19E-28
8.44E+02	0.00E+00	2.48E-28	2.75E-30	0.00E+00	0.00E+00	0.00E+00	1.05E-29	2.46E-28
8.93E+02	0.00E+00	1.43E-28	1.52E-30	0.00E+00	0.00E+00	0.00E+00	4.45E-30	1.42E-28
9.45E+02	0.00E+00	7.63E-29	7.63E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-29
1.00E+03	0.00E+00	3.90E-29	3.90E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-29

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.36E+00	5.22E+01	1.88E+01	1.78E+01	2.74E+01	3.14E+01	3.44E+01	5.20E+01
1.00E+00	7.64E-01	5.14E+01	1.83E+01	1.74E+01	2.71E+01	3.12E+01	3.37E+01	5.13E+01
1.06E+00	7.38E-01	5.14E+01	1.83E+01	1.74E+01	2.70E+01	3.11E+01	3.37E+01	5.12E+01
1.12E+00	7.12E-01	5.14E+01	1.83E+01	1.74E+01	2.70E+01	3.11E+01	3.36E+01	5.12E+01
1.19E+00	6.85E-01	5.13E+01	1.82E+01	1.73E+01	2.70E+01	3.11E+01	3.36E+01	5.11E+01
1.25E+00	6.57E-01	5.13E+01	1.82E+01	1.73E+01	2.70E+01	3.11E+01	3.35E+01	5.11E+01
1.33E+00	6.29E-01	5.12E+01	1.82E+01	1.72E+01	2.69E+01	3.11E+01	3.35E+01	5.10E+01
1.40E+00	6.00E-01	5.11E+01	1.81E+01	1.72E+01	2.69E+01	3.10E+01	3.34E+01	5.10E+01
1.49E+00	5.71E-01	5.11E+01	1.81E+01	1.71E+01	2.69E+01	3.10E+01	3.34E+01	5.09E+01
1.57E+00	5.41E-01	5.10E+01	1.81E+01	1.71E+01	2.69E+01	3.10E+01	3.33E+01	5.09E+01
1.66E+00	5.11E-01	5.10E+01	1.80E+01	1.71E+01	2.68E+01	3.10E+01	3.32E+01	5.08E+01
1.76E+00	4.80E-01	5.09E+01	1.80E+01	1.70E+01	2.68E+01	3.09E+01	3.32E+01	5.07E+01
1.86E+00	4.49E-01	5.08E+01	1.79E+01	1.70E+01	2.68E+01	3.09E+01	3.31E+01	5.06E+01
1.97E+00	4.18E-01	5.07E+01	1.79E+01	1.70E+01	2.67E+01	3.09E+01	3.30E+01	5.06E+01
2.09E+00	3.87E-01	5.06E+01	1.78E+01	1.70E+01	2.67E+01	3.09E+01	3.29E+01	5.05E+01
2.21E+00	3.55E-01	5.06E+01	1.78E+01	1.70E+01	2.66E+01	3.08E+01	3.29E+01	5.04E+01
2.34E+00	3.24E-01	5.05E+01	1.77E+01	1.69E+01	2.66E+01	3.08E+01	3.28E+01	5.03E+01
2.47E+00	2.92E-01	5.04E+01	1.77E+01	1.69E+01	2.65E+01	3.07E+01	3.27E+01	5.02E+01
2.62E+00	2.61E-01	5.03E+01	1.76E+01	1.68E+01	2.65E+01	3.07E+01	3.26E+01	5.01E+01
2.77E+00	2.30E-01	5.02E+01	1.75E+01	1.68E+01	2.64E+01	3.07E+01	3.25E+01	5.00E+01
2.93E+00	1.99E-01	5.00E+01	1.75E+01	1.67E+01	2.64E+01	3.06E+01	3.24E+01	4.99E+01
3.00E+00	1.87E-01	5.00E+01	1.74E+01	1.67E+01	2.64E+01	3.06E+01	3.23E+01	4.98E+01
3.10E+00	1.69E-01	4.99E+01	1.74E+01	1.66E+01	2.63E+01	3.06E+01	3.23E+01	4.97E+01
3.28E+00	1.38E-01	4.98E+01	1.73E+01	1.66E+01	2.63E+01	3.05E+01	3.22E+01	4.96E+01
3.48E+00	1.09E-01	4.97E+01	1.72E+01	1.65E+01	2.62E+01	3.05E+01	3.20E+01	4.95E+01
3.68E+00	7.96E-02	4.95E+01	1.72E+01	1.64E+01	2.61E+01	3.04E+01	3.19E+01	4.93E+01
3.89E+00	5.14E-02	4.94E+01	1.71E+01	1.64E+01	2.61E+01	3.04E+01	3.18E+01	4.92E+01
4.12E+00	2.81E-02	4.92E+01	1.70E+01	1.63E+01	2.60E+01	3.03E+01	3.16E+01	4.90E+01
4.36E+00	1.15E-02	4.91E+01	1.69E+01	1.62E+01	2.59E+01	3.03E+01	3.15E+01	4.89E+01
4.61E+00	2.00E-03	4.89E+01	1.68E+01	1.61E+01	2.58E+01	3.02E+01	3.13E+01	4.87E+01
4.88E+00	2.18E-07	4.87E+01	1.67E+01	1.60E+01	2.58E+01	3.01E+01	3.12E+01	4.86E+01
5.17E+00	0.00E+00	4.86E+01	1.66E+01	1.60E+01	2.57E+01	3.01E+01	3.10E+01	4.84E+01
5.47E+00	0.00E+00	4.84E+01	1.65E+01	1.58E+01	2.56E+01	3.00E+01	3.09E+01	4.82E+01
5.78E+00	0.00E+00	4.82E+01	1.64E+01	1.57E+01	2.55E+01	2.99E+01	3.07E+01	4.80E+01
6.12E+00	0.00E+00	4.80E+01	1.63E+01	1.56E+01	2.54E+01	2.98E+01	3.05E+01	4.78E+01
6.48E+00	0.00E+00	4.78E+01	1.61E+01	1.55E+01	2.53E+01	2.97E+01	3.03E+01	4.76E+01
6.86E+00	0.00E+00	4.76E+01	1.60E+01	1.54E+01	2.53E+01	2.96E+01	3.02E+01	4.74E+01
7.26E+00	0.00E+00	4.74E+01	1.59E+01	1.53E+01	2.52E+01	2.95E+01	3.00E+01	4.72E+01
7.68E+00	0.00E+00	4.72E+01	1.58E+01	1.51E+01	2.51E+01	2.94E+01	2.99E+01	4.70E+01
8.13E+00	0.00E+00	4.69E+01	1.57E+01	1.50E+01	2.50E+01	2.91E+01	2.98E+01	4.68E+01
8.60E+00	0.00E+00	4.67E+01	1.55E+01	1.49E+01	2.49E+01	2.89E+01	2.96E+01	4.66E+01
9.10E+00	0.00E+00	4.65E+01	1.54E+01	1.48E+01	2.48E+01	2.86E+01	2.95E+01	4.63E+01
9.63E+00	0.00E+00	4.63E+01	1.53E+01	1.47E+01	2.48E+01	2.84E+01	2.94E+01	4.61E+01
1.00E+01	0.00E+00	4.61E+01	1.52E+01	1.46E+01	2.47E+01	2.82E+01	2.94E+01	4.60E+01
1.02E+01	0.00E+00	4.60E+01	1.52E+01	1.46E+01	2.46E+01	2.81E+01	2.93E+01	4.59E+01
1.08E+01	0.00E+00	4.58E+01	1.51E+01	1.45E+01	2.44E+01	2.79E+01	2.92E+01	4.57E+01

1.14E+01	0.00E+00	4.56E+01	1.49E+01	1.44E+01	2.43E+01	2.77E+01	2.91E+01	4.54E+01
1.21E+01	0.00E+00	4.54E+01	1.48E+01	1.42E+01	2.42E+01	2.74E+01	2.90E+01	4.52E+01
1.28E+01	0.00E+00	4.51E+01	1.47E+01	1.40E+01	2.41E+01	2.73E+01	2.89E+01	4.50E+01
1.35E+01	0.00E+00	4.49E+01	1.46E+01	1.38E+01	2.40E+01	2.72E+01	2.87E+01	4.47E+01
1.43E+01	0.00E+00	4.47E+01	1.44E+01	1.37E+01	2.39E+01	2.71E+01	2.86E+01	4.45E+01
1.51E+01	0.00E+00	4.44E+01	1.43E+01	1.36E+01	2.38E+01	2.70E+01	2.85E+01	4.43E+01
1.60E+01	0.00E+00	4.42E+01	1.42E+01	1.34E+01	2.37E+01	2.69E+01	2.84E+01	4.41E+01
1.70E+01	0.00E+00	4.40E+01	1.41E+01	1.33E+01	2.36E+01	2.68E+01	2.83E+01	4.38E+01
1.80E+01	0.00E+00	4.38E+01	1.40E+01	1.32E+01	2.35E+01	2.66E+01	2.82E+01	4.36E+01
1.90E+01	0.00E+00	4.35E+01	1.38E+01	1.31E+01	2.34E+01	2.65E+01	2.80E+01	4.34E+01
2.01E+01	0.00E+00	4.33E+01	1.37E+01	1.29E+01	2.32E+01	2.64E+01	2.79E+01	4.32E+01
2.13E+01	0.00E+00	4.31E+01	1.36E+01	1.28E+01	2.31E+01	2.63E+01	2.78E+01	4.29E+01
2.25E+01	0.00E+00	4.29E+01	1.35E+01	1.27E+01	2.29E+01	2.62E+01	2.77E+01	4.27E+01
2.38E+01	0.00E+00	4.26E+01	1.33E+01	1.26E+01	2.28E+01	2.61E+01	2.76E+01	4.25E+01
2.52E+01	0.00E+00	4.24E+01	1.32E+01	1.25E+01	2.26E+01	2.59E+01	2.75E+01	4.22E+01
2.67E+01	0.00E+00	4.22E+01	1.31E+01	1.24E+01	2.25E+01	2.58E+01	2.73E+01	4.20E+01
2.82E+01	0.00E+00	4.19E+01	1.29E+01	1.22E+01	2.24E+01	2.57E+01	2.72E+01	4.18E+01
2.99E+01	0.00E+00	4.17E+01	1.28E+01	1.21E+01	2.24E+01	2.55E+01	2.71E+01	4.15E+01
3.00E+01	0.00E+00	4.16E+01	1.27E+01	1.20E+01	2.24E+01	2.55E+01	2.71E+01	4.15E+01
3.16E+01	0.00E+00	4.14E+01	1.26E+01	1.19E+01	2.23E+01	2.54E+01	2.69E+01	4.12E+01
3.35E+01	0.00E+00	4.11E+01	1.24E+01	1.17E+01	2.22E+01	2.52E+01	2.68E+01	4.10E+01
3.54E+01	0.00E+00	4.08E+01	1.23E+01	1.16E+01	2.21E+01	2.51E+01	2.66E+01	4.07E+01
3.75E+01	0.00E+00	4.05E+01	1.21E+01	1.15E+01	2.20E+01	2.49E+01	2.65E+01	4.04E+01
3.97E+01	0.00E+00	4.02E+01	1.19E+01	1.13E+01	2.19E+01	2.47E+01	2.64E+01	4.01E+01
4.20E+01	0.00E+00	3.99E+01	1.17E+01	1.12E+01	2.17E+01	2.45E+01	2.62E+01	3.97E+01
4.44E+01	0.00E+00	3.95E+01	1.14E+01	1.10E+01	2.16E+01	2.43E+01	2.61E+01	3.94E+01
4.70E+01	0.00E+00	3.91E+01	1.12E+01	1.08E+01	2.15E+01	2.41E+01	2.59E+01	3.90E+01
4.97E+01	0.00E+00	3.87E+01	1.09E+01	1.06E+01	2.14E+01	2.39E+01	2.58E+01	3.86E+01
5.26E+01	0.00E+00	3.82E+01	1.07E+01	1.04E+01	2.11E+01	2.38E+01	2.56E+01	3.81E+01
5.57E+01	0.00E+00	3.78E+01	1.04E+01	1.01E+01	2.07E+01	2.35E+01	2.54E+01	3.76E+01
5.90E+01	0.00E+00	3.72E+01	1.00E+01	9.76E+00	2.02E+01	2.33E+01	2.52E+01	3.71E+01
6.24E+01	0.00E+00	3.67E+01	9.70E+00	9.31E+00	1.99E+01	2.31E+01	2.50E+01	3.65E+01
6.60E+01	0.00E+00	3.60E+01	9.34E+00	8.90E+00	1.97E+01	2.28E+01	2.47E+01	3.59E+01
6.99E+01	0.00E+00	3.54E+01	8.96E+00	8.46E+00	1.93E+01	2.25E+01	2.45E+01	3.53E+01
7.39E+01	0.00E+00	3.47E+01	8.57E+00	7.96E+00	1.90E+01	2.22E+01	2.42E+01	3.46E+01
7.82E+01	0.00E+00	3.39E+01	8.17E+00	7.45E+00	1.86E+01	2.18E+01	2.39E+01	3.38E+01
8.28E+01	0.00E+00	3.30E+01	7.76E+00	6.96E+00	1.82E+01	2.15E+01	2.36E+01	3.29E+01
8.76E+01	0.00E+00	3.20E+01	7.35E+00	5.93E+00	1.77E+01	2.10E+01	2.32E+01	3.20E+01
9.27E+01	0.00E+00	3.10E+01	6.92E+00	5.08E+00	1.72E+01	2.06E+01	2.28E+01	3.09E+01
9.81E+01	0.00E+00	2.98E+01	6.48E+00	4.35E+00	1.67E+01	2.02E+01	2.24E+01	2.98E+01
1.00E+02	0.00E+00	2.94E+01	6.33E+00	4.08E+00	1.65E+01	2.01E+01	2.22E+01	2.94E+01
1.04E+02	0.00E+00	2.86E+01	6.03E+00	3.50E+00	1.61E+01	1.97E+01	2.19E+01	2.85E+01
1.10E+02	0.00E+00	2.71E+01	5.58E+00	2.22E+00	1.57E+01	1.89E+01	2.14E+01	2.71E+01
1.16E+02	0.00E+00	2.56E+01	5.10E+00	1.55E-01	1.55E+01	1.81E+01	2.08E+01	2.55E+01
1.23E+02	0.00E+00	2.38E+01	4.63E+00	0.00E+00	1.52E+01	1.74E+01	2.02E+01	2.38E+01
1.30E+02	0.00E+00	2.18E+01	4.16E+00	0.00E+00	1.49E+01	1.68E+01	1.95E+01	2.18E+01
1.38E+02	0.00E+00	1.95E+01	3.69E+00	0.00E+00	1.41E+01	1.63E+01	1.87E+01	1.95E+01
1.46E+02	0.00E+00	1.83E+01	3.25E+00	0.00E+00	1.30E+01	1.57E+01	1.72E+01	1.83E+01
1.54E+02	0.00E+00	1.75E+01	2.81E+00	0.00E+00	1.16E+01	1.40E+01	1.62E+01	1.75E+01
1.63E+02	0.00E+00	1.66E+01	2.38E+00	0.00E+00	1.03E+01	1.35E+01	1.51E+01	1.66E+01

1.73E+02	0.00E+00	1.56E+01	1.93E+00	0.00E+00	8.91E+00	1.29E+01	1.39E+01	1.56E+01
1.83E+02	0.00E+00	1.45E+01	1.50E+00	0.00E+00	7.51E+00	1.07E+01	1.29E+01	1.45E+01
1.94E+02	0.00E+00	1.32E+01	1.13E+00	0.00E+00	6.42E+00	8.25E+00	1.19E+01	1.31E+01
2.05E+02	0.00E+00	1.17E+01	8.22E-01	0.00E+00	4.59E+00	7.00E+00	1.07E+01	1.17E+01
2.17E+02	0.00E+00	9.98E+00	5.56E-01	0.00E+00	5.07E-01	5.58E+00	9.23E+00	9.98E+00
2.29E+02	0.00E+00	8.71E+00	3.63E-01	0.00E+00	0.00E+00	3.81E+00	7.24E+00	8.70E+00
2.43E+02	0.00E+00	7.29E+00	2.16E-01	0.00E+00	0.00E+00	1.16E+00	4.94E+00	7.28E+00
2.57E+02	0.00E+00	5.55E+00	8.69E-02	0.00E+00	0.00E+00	0.00E+00	1.51E+00	5.52E+00
2.72E+02	0.00E+00	3.24E+00	3.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E+00
2.88E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.04E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.79E+02	0.00E+00	9.06E-26	9.16E-28	0.00E+00	0.00E+00	0.00E+00	4.47E-28	8.98E-26
5.07E+02	0.00E+00	2.12E-27	3.72E-29	0.00E+00	0.00E+00	6.62E-30	7.50E-28	2.12E-27
5.36E+02	0.00E+00	2.27E-27	3.86E-29	0.00E+00	0.00E+00	2.55E-29	7.26E-28	2.26E-27
5.68E+02	0.00E+00	2.04E-27	3.26E-29	0.00E+00	0.00E+00	2.85E-29	5.47E-28	2.03E-27
6.01E+02	0.00E+00	1.64E-27	2.50E-29	0.00E+00	0.00E+00	2.45E-29	3.86E-28	1.63E-27
6.36E+02	0.00E+00	1.20E-27	1.79E-29	0.00E+00	0.00E+00	1.80E-29	2.65E-28	1.19E-27
6.73E+02	0.00E+00	8.11E-28	1.20E-29	0.00E+00	0.00E+00	1.20E-29	1.75E-28	8.06E-28
7.12E+02	0.00E+00	5.34E-28	7.84E-30	0.00E+00	0.00E+00	5.18E-30	1.14E-28	5.31E-28
7.53E+02	0.00E+00	3.39E-28	4.93E-30	0.00E+00	0.00E+00	0.00E+00	7.19E-29	3.37E-28
7.97E+02	0.00E+00	2.12E-28	2.97E-30	0.00E+00	0.00E+00	0.00E+00	4.07E-29	2.11E-28
8.44E+02	0.00E+00	1.29E-28	1.77E-30	0.00E+00	0.00E+00	0.00E+00	2.28E-29	1.28E-28
8.93E+02	0.00E+00	7.12E-29	9.56E-31	0.00E+00	0.00E+00	0.00E+00	1.16E-29	7.08E-29
9.45E+02	0.00E+00	4.09E-29	5.07E-31	0.00E+00	0.00E+00	0.00E+00	4.66E-30	4.06E-29
1.00E+03	0.00E+00	2.27E-29	2.80E-31	0.00E+00	0.00E+00	0.00E+00	2.50E-30	2.25E-29

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.911E+01
2	0.000E+00	1.916E+01
3	0.000E+00	1.877E+01

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.32	4	-0.14	4	-0.45	4	-0.18
Thickness of Unsaturted zone 1	5	0.20	5	0.08	10	0.07	10	0.02
Runoff coefficient	6	0.16	6	0.07	11	0.05	11	0.02
Wind Speed	9	0.09	9	0.04	14	0.00	14	0.00
Well pump intake depth	10	-0.08	10	-0.03	5	-0.11	5	-0.04
External gamma shielding factor	3	0.53	3	0.26	3	0.54	3	0.24
Inhalation rate	7	0.16	7	0.07	13	0.02	13	0.01
Soil ingestion	11	-0.03	11	-0.01	12	-0.03	12	-0.01
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	9	-0.07	9	-0.03
Thickness of contaminated zone	1	0.82	1	0.60	1	0.88	1	0.68
Aquatic food	12	0.03	12	0.01	6	-0.10	6	-0.04
Depth of soil mixing layer	14	-0.02	14	-0.01	8	-0.08	8	-0.03
Mass loading for inhalation	8	-0.14	8	-0.06	7	-0.10	7	-0.04
Indoor time fraction	2	0.82	2	0.60	2	0.82	2	0.54
R-SQUARE		0.83		0.83		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 of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.40	4	-0.20	4	-0.23	4	-0.09
Thickness of Unsaturted zone 1	9	0.05	9	0.02	8	-0.06	8	-0.02
Runoff coefficient	11	-0.01	11	0.00	9	-0.05	9	-0.02
Wind Speed	7	0.08	7	0.04	14	0.01	14	0.01
Well pump intake depth	12	-0.01	12	0.00	13	-0.02	13	-0.01
External gamma shielding factor	3	0.58	3	0.33	3	0.50	3	0.23
Inhalation rate	8	-0.06	8	-0.03	7	-0.06	7	-0.03
Soil ingestion	13	0.00	13	0.00	12	-0.02	12	-0.01
Thickness of Unsaturated zone 2	14	0.00	14	0.00	10	0.04	10	0.01
Thickness of contaminated zone	1	0.79	1	0.58	1	0.87	1	0.69
Aquatic food	6	-0.12	6	-0.05	6	-0.14	6	-0.06
Depth of soil mixing layer	5	-0.20	5	-0.09	5	-0.16	5	-0.06
Mass loading for inhalation	10	0.02	10	0.01	11	-0.03	11	-0.01
Indoor time fraction	2	0.77	2	0.55	2	0.82	2	0.56
R-SQUARE		0.79		0.79		0.85		0.85

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.57	4	-0.26	4	-0.54	4	-0.22
Thickness of Unsaturted zone 1	10	-0.08	10	-0.03	12	0.04	12	0.01
Runoff coefficient	11	0.06	11	0.02	13	-0.04	13	-0.01
Wind Speed	6	0.24	6	0.09	9	0.06	9	0.02
Well pump intake depth	14	0.00	14	0.00	7	0.17	7	0.06
External gamma shielding factor	3	0.67	3	0.34	3	0.56	3	0.23
Inhalation rate	13	-0.01	13	0.00	11	-0.04	11	-0.01
Soil ingestion	7	0.15	7	0.05	14	-0.03	14	-0.01
Thickness of Unsaturated zone 2	9	0.08	9	0.03	10	0.04	10	0.02
Thickness of contaminated zone	1	0.87	1	0.66	1	0.90	1	0.68
Aquatic food	5	0.27	5	0.10	6	0.26	6	0.09
Depth of soil mixing layer	12	-0.05	12	-0.02	5	-0.30	5	-0.11
Mass loading for inhalation	8	-0.09	8	-0.03	8	-0.12	8	-0.04
Indoor time fraction	2	0.85	2	0.60	2	0.86	2	0.57
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 All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.32	4	-0.14	4	-0.44	4	-0.18
Thickness of Unsaturted zone 1	5	0.20	5	0.08	9	0.07	9	0.03
Runoff coefficient	6	0.16	6	0.07	11	0.05	11	0.02
Wind Speed	9	0.09	9	0.04	14	0.00	14	0.00
Well pump intake depth	10	-0.08	10	-0.03	5	-0.11	5	-0.04
External gamma shielding factor	3	0.53	3	0.26	3	0.54	3	0.24
Inhalation rate	7	0.16	7	0.07	13	0.02	13	0.01
Soil ingestion	11	-0.03	11	-0.01	12	-0.03	12	-0.01
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	10	-0.07	10	-0.02
Thickness of contaminated zone	1	0.82	2	0.60	1	0.88	1	0.68
Aquatic food	12	0.03	12	0.01	7	-0.10	7	-0.04
Depth of soil mixing layer	14	-0.02	14	-0.01	8	-0.08	8	-0.03
Mass loading for inhalation	8	-0.14	8	-0.06	6	-0.10	6	-0.04
Indoor time fraction	2	0.82	1	0.60	2	0.82	2	0.54
R-SQUARE		0.83		0.83		0.86		0.86

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.40	4	-0.20	4	-0.23	4	-0.09
Thickness of Unsaturted zone 1	9	0.05	9	0.02	8	-0.06	8	-0.02
Runoff coefficient	11	-0.01	11	0.00	9	-0.05	9	-0.02
Wind Speed	7	0.08	7	0.04	14	0.01	14	0.01
Well pump intake depth	12	-0.01	12	0.00	13	-0.02	13	-0.01
External gamma shielding factor	3	0.58	3	0.33	3	0.50	3	0.23
Inhalation rate	8	-0.06	8	-0.03	7	-0.06	7	-0.03
Soil ingestion	13	0.00	13	0.00	12	-0.02	12	-0.01
Thickness of Unsaturated zone 2	14	0.00	14	0.00	10	0.04	10	0.01
Thickness of contaminated zone	1	0.79	1	0.58	1	0.87	1	0.69
Aquatic food	6	-0.12	6	-0.05	6	-0.14	6	-0.06
Depth of soil mixing layer	5	-0.20	5	-0.09	5	-0.16	5	-0.06
Mass loading for inhalation	10	0.02	10	0.01	11	-0.03	11	-0.01
Indoor time fraction	2	0.77	2	0.55	2	0.82	2	0.56
R-SQUARE		0.79		0.79		0.85		0.85

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.57	4	-0.26	4	-0.54	4	-0.22
Thickness of Unsaturted zone 1	10	-0.08	10	-0.03	11	0.04	11	0.01
Runoff coefficient	11	0.06	11	0.02	13	-0.04	13	-0.01
Wind Speed	6	0.24	6	0.09	9	0.06	9	0.02
Well pump intake depth	14	0.00	14	0.00	7	0.17	7	0.06
External gamma shielding factor	3	0.67	3	0.34	3	0.56	3	0.23
Inhalation rate	13	-0.01	13	0.00	12	-0.04	12	-0.01
Soil ingestion	7	0.15	7	0.05	14	-0.03	14	-0.01
Thickness of Unsaturated zone 2	9	0.08	9	0.03	10	0.04	10	0.02
Thickness of contaminated zone	1	0.87	1	0.66	1	0.90	1	0.68
Aquatic food	5	0.27	5	0.10	6	0.25	6	0.09
Depth of soil mixing layer	12	-0.05	12	-0.02	5	-0.30	5	-0.11
Mass loading for inhalation	8	-0.09	8	-0.03	8	-0.13	8	-0.04
Indoor time fraction	2	0.85	2	0.60	2	0.86	2	0.57
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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	0.08	10	0.03	13	-0.01	13	0.00
Thickness of Unsaturted zone 1	6	0.17	6	0.07	6	0.07	6	0.03
Runoff coefficient	5	0.21	5	0.09	9	0.06	9	0.02
Wind Speed	12	0.05	12	0.02	12	-0.03	12	-0.01
Well pump intake depth	13	-0.04	13	-0.02	10	-0.05	10	-0.02
External gamma shielding factor	3	0.60	3	0.31	3	0.58	3	0.25
Inhalation rate	4	0.22	4	0.09	14	0.00	14	0.00
Soil ingestion	11	-0.06	11	-0.02	8	0.06	8	0.02
Thickness of Unsaturated zone 2	14	-0.02	14	-0.01	5	-0.11	5	-0.04
Thickness of contaminated zone	2	0.78	2	0.52	2	0.87	2	0.62
Aquatic food	8	0.09	8	0.04	11	-0.04	11	-0.02
Depth of soil mixing layer	9	0.08	9	0.03	7	0.06	7	0.02
Mass loading for inhalation	7	-0.15	7	-0.06	4	-0.13	4	-0.05
Indoor time fraction	1	0.86	1	0.68	1	0.87	1	0.63
R-SQUARE		0.83		0.83		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.06	9	-0.03	4	0.22	4	0.08
Thickness of Unsaturted zone 1	12	-0.02	12	-0.01	6	-0.13	6	-0.05
Runoff coefficient	14	-0.01	14	0.00	13	0.02	13	0.01
Wind Speed	7	0.09	7	0.04	10	0.05	10	0.02
Well pump intake depth	8	-0.08	8	-0.03	9	-0.08	9	-0.03
External gamma shielding factor	3	0.61	3	0.35	3	0.55	3	0.24
Inhalation rate	5	-0.10	5	-0.05	7	-0.12	7	-0.04
Soil ingestion	13	0.01	13	0.01	12	0.04	12	0.01
Thickness of Unsaturated zone 2	10	0.03	10	0.01	14	0.02	14	0.01
Thickness of contaminated zone	2	0.74	2	0.51	2	0.86	2	0.62
Aquatic food	6	-0.09	6	-0.04	5	-0.14	5	-0.05
Depth of soil mixing layer	4	-0.17	4	-0.08	8	-0.09	8	-0.03
Mass loading for inhalation	11	-0.02	11	-0.01	11	-0.04	11	-0.02
Indoor time fraction	1	0.80	1	0.63	1	0.87	1	0.65
R-SQUARE		0.79		0.79		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	5	-0.23	5	-0.09	8	-0.13	8	-0.05
Thickness of Unsaturted zone 1	11	-0.07	11	-0.03	10	0.05	10	0.02
Runoff coefficient	10	0.08	10	0.03	13	0.01	13	0.01
Wind Speed	4	0.24	4	0.09	12	0.04	12	0.01
Well pump intake depth	12	0.06	12	0.02	7	0.18	7	0.07
External gamma shielding factor	3	0.68	3	0.36	3	0.53	3	0.23
Inhalation rate	9	0.08	9	0.03	14	0.01	14	0.00
Soil ingestion	13	0.06	13	0.02	9	-0.06	9	-0.02
Thickness of Unsaturated zone 2	8	0.12	8	0.05	11	0.04	11	0.01
Thickness of contaminated zone	2	0.83	2	0.57	2	0.85	2	0.60
Aquatic food	6	0.21	6	0.08	4	0.23	4	0.09
Depth of soil mixing layer	14	0.00	14	0.00	5	-0.20	5	-0.07
Mass loading for inhalation	7	-0.15	7	-0.06	6	-0.18	6	-0.07
Indoor time fraction	1	0.88	1	0.71	1	0.88	1	0.67
R-SQUARE		0.85		0.85		0.87		0.87

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

Coefficients for peak Inhalation Particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	0.15	9	0.07	7	0.17	7	0.06
Thickness of Unsaturted zone 1	7	0.17	7	0.08	14	0.02	14	0.01
Runoff coefficient	12	0.06	12	0.03	8	0.16	8	0.06
Wind Speed	6	-0.21	6	-0.10	6	-0.32	6	-0.11
Well pump intake depth	8	-0.17	8	-0.08	12	-0.04	12	-0.01
External gamma shielding factor	11	0.06	11	0.03	10	0.08	10	0.03
Inhalation rate	5	0.55	5	0.31	5	0.53	5	0.21
Soil ingestion	13	0.02	13	0.01	9	0.12	9	0.04
Thickness of Unsaturated zone 2	10	0.08	10	0.04	11	-0.06	11	-0.02
Thickness of contaminated zone	2	0.68	2	0.43	1	0.85	1	0.54
Aquatic food	14	0.02	14	0.01	13	0.02	13	0.01
Depth of soil mixing layer	1	-0.69	1	-0.45	2	-0.81	2	-0.48
Mass loading for inhalation	4	0.60	4	0.36	3	0.79	3	0.44
Indoor time fraction	3	0.65	3	0.40	4	0.68	4	0.32
R-SQUARE		0.78		0.78		0.88		0.88

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

Coefficients for peak Inhalation Particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	12	-0.08	12	-0.03	9	0.12	9	0.03
Thickness of Unsaturted zone 1	13	0.05	13	0.02	12	0.02	12	0.01
Runoff coefficient	6	-0.23	6	-0.09	11	-0.08	11	-0.02
Wind Speed	9	-0.15	9	-0.06	6	-0.35	6	-0.11
Well pump intake depth	10	-0.14	10	-0.06	13	-0.01	13	0.00
External gamma shielding factor	8	0.18	8	0.07	14	0.01	14	0.00
Inhalation rate	5	0.60	5	0.29	5	0.51	5	0.17
Soil ingestion	7	-0.18	7	-0.07	8	-0.12	8	-0.04
Thickness of Unsaturated zone 2	11	0.11	11	0.04	7	0.16	7	0.05
Thickness of contaminated zone	2	0.77	2	0.45	1	0.89	1	0.57
Aquatic food	14	-0.02	14	-0.01	10	-0.09	10	-0.03
Depth of soil mixing layer	3	-0.72	3	-0.39	2	-0.86	2	-0.48
Mass loading for inhalation	1	0.80	1	0.51	4	0.82	4	0.41
Indoor time fraction	4	0.69	4	0.37	3	0.82	3	0.41
R-SQUARE		0.86		0.86		0.92		0.92

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

Coefficients for peak Inhalation Particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	13	0.01	13	0.00	13	0.04	13	0.01
Thickness of Unsaturted zone 1	8	-0.09	8	-0.04	6	-0.23	6	-0.07
Runoff coefficient	9	0.06	9	0.03	12	0.05	12	0.02
Wind Speed	10	-0.05	10	-0.03	9	-0.16	9	-0.05
Well pump intake depth	12	0.03	12	0.01	11	-0.07	11	-0.02
External gamma shielding factor	7	-0.12	7	-0.06	8	-0.18	8	-0.06
Inhalation rate	5	0.51	5	0.29	5	0.62	5	0.24
Soil ingestion	11	-0.04	11	-0.02	7	-0.21	7	-0.06
Thickness of Unsaturated zone 2	6	0.25	6	0.12	10	0.13	10	0.04
Thickness of contaminated zone	3	0.63	3	0.39	1	0.86	1	0.50
Aquatic food	14	0.00	14	0.00	14	-0.02	14	-0.01
Depth of soil mixing layer	2	-0.66	2	-0.42	2	-0.84	2	-0.47
Mass loading for inhalation	4	0.60	4	0.36	3	0.83	3	0.45
Indoor time fraction	1	0.69	1	0.47	4	0.78	4	0.38
R-SQUARE		0.77		0.77		0.91		0.91

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.76	1	-0.65	1	-0.93	1	-0.68
Thickness of Unsaturted zone 1	3	0.16	3	0.09	9	-0.04	9	-0.01
Runoff coefficient	8	-0.08	8	-0.04	4	0.11	4	0.03
Wind Speed	5	0.13	5	0.08	6	0.08	6	0.02
Well pump intake depth	7	-0.10	7	-0.05	8	-0.06	8	-0.02
External gamma shielding factor	11	-0.02	11	-0.01	14	-0.01	14	0.00
Inhalation rate	6	-0.12	6	-0.07	7	-0.08	7	-0.02
Soil ingestion	12	-0.02	12	-0.01	3	-0.25	3	-0.07
Thickness of Unsaturated zone 2	13	-0.01	13	-0.01	13	0.02	13	0.00
Thickness of contaminated zone	2	0.65	2	0.48	2	0.92	2	0.66
Aquatic food	4	-0.13	4	-0.08	5	-0.08	5	-0.02
Depth of soil mixing layer	9	-0.07	9	-0.04	10	-0.04	10	-0.01
Mass loading for inhalation	10	-0.05	10	-0.03	12	0.02	12	0.01
Indoor time fraction	14	0.00	14	0.00	11	-0.03	11	-0.01
R-SQUARE		0.69		0.69		0.93		0.93

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.73	1	-0.63	2	-0.93	2	-0.67
Thickness of Unsaturted zone 1	3	0.18	3	0.11	13	-0.04	13	-0.01
Runoff coefficient	14	0.00	14	0.00	4	-0.13	4	-0.03
Wind Speed	12	0.03	12	0.02	5	0.13	5	0.03
Well pump intake depth	5	0.16	5	0.10	14	0.01	14	0.00
External gamma shielding factor	4	0.18	4	0.11	3	-0.23	3	-0.06
Inhalation rate	9	0.06	9	0.04	7	-0.09	7	-0.02
Soil ingestion	11	-0.05	11	-0.03	12	-0.05	12	-0.01
Thickness of Unsaturated zone 2	8	-0.08	8	-0.05	8	-0.07	8	-0.02
Thickness of contaminated zone	2	0.62	2	0.47	1	0.93	1	0.67
Aquatic food	6	-0.11	6	-0.07	11	-0.05	11	-0.01
Depth of soil mixing layer	13	-0.02	13	-0.01	6	-0.11	6	-0.03
Mass loading for inhalation	10	0.06	10	0.04	10	0.05	10	0.01
Indoor time fraction	7	0.09	7	0.06	9	-0.07	9	-0.02
R-SQUARE		0.65		0.65		0.93		0.93

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.70	1	-0.58	1	-0.93	1	-0.73
Thickness of Unsaturted zone 1	14	-0.02	14	-0.01	14	0.01	14	0.00
Runoff coefficient	13	-0.02	13	-0.01	13	0.01	13	0.00
Wind Speed	8	0.07	8	0.04	8	0.08	8	0.02
Well pump intake depth	7	-0.11	7	-0.07	12	-0.05	12	-0.01
External gamma shielding factor	4	0.19	3	0.12	11	0.05	11	0.01
Inhalation rate	6	-0.16	6	-0.10	6	0.10	6	0.03
Soil ingestion	5	0.16	5	0.10	3	-0.17	3	-0.05
Thickness of Unsaturated zone 2	10	-0.06	10	-0.04	7	-0.10	7	-0.03
Thickness of contaminated zone	2	0.65	2	0.51	2	0.92	2	0.66
Aquatic food	3	0.19	4	0.12	10	0.06	10	0.02
Depth of soil mixing layer	11	0.04	11	0.02	5	0.12	5	0.03
Mass loading for inhalation	9	0.06	9	0.04	4	0.13	4	0.03
Indoor time fraction	12	-0.03	12	-0.02	9	-0.06	9	-0.02
R-SQUARE		0.64		0.64		0.92		0.92

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.68	2	-0.41	3	-0.70	3	-0.35
Thickness of Unsaturted zone 1	6	0.12	6	0.05	13	-0.03	12	-0.01
Runoff coefficient	14	-0.01	14	-0.01	6	0.12	6	0.04
Wind Speed	4	0.13	4	0.06	12	0.03	13	0.01
Well pump intake depth	7	-0.11	7	-0.05	10	-0.05	10	-0.02
External gamma shielding factor	10	0.04	10	0.02	14	0.01	14	0.00
Inhalation rate	5	-0.12	5	-0.05	7	-0.10	7	-0.04
Soil ingestion	11	0.02	11	0.01	8	-0.08	8	-0.03
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	11	0.04	11	0.01
Thickness of contaminated zone	1	0.84	1	0.67	1	0.90	1	0.73
Aquatic food	8	-0.09	8	-0.04	5	-0.14	5	-0.05
Depth of soil mixing layer	3	-0.66	3	-0.39	2	-0.79	2	-0.45
Mass loading for inhalation	12	-0.02	12	-0.01	9	0.05	9	0.02
Indoor time fraction	9	-0.06	9	-0.03	4	-0.17	4	-0.06
R-SQUARE		0.81		0.81		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 Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.70	2	-0.45	3	-0.75	3	-0.33
Thickness of Unsaturted zone 1	5	0.17	5	0.08	8	0.07	8	0.02
Runoff coefficient	13	-0.04	13	-0.02	6	-0.10	6	-0.03
Wind Speed	11	0.06	11	0.03	11	-0.02	11	-0.01
Well pump intake depth	6	0.12	6	0.06	12	0.02	12	0.01
External gamma shielding factor	4	0.20	4	0.10	13	-0.02	13	-0.01
Inhalation rate	14	0.02	14	0.01	4	-0.11	4	-0.03
Soil ingestion	8	-0.11	8	-0.05	7	-0.09	7	-0.03
Thickness of Unsaturated zone 2	12	-0.04	12	-0.02	9	-0.06	9	-0.02
Thickness of contaminated zone	1	0.83	1	0.68	1	0.94	1	0.80
Aquatic food	10	-0.07	10	-0.03	10	-0.04	10	-0.01
Depth of soil mixing layer	3	-0.57	3	-0.31	2	-0.82	2	-0.42
Mass loading for inhalation	7	0.11	7	0.05	14	0.02	14	0.00
Indoor time fraction	9	0.10	9	0.05	5	0.11	5	0.03
R-SQUARE		0.79		0.79		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 Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.66	2	-0.41	3	-0.71	3	-0.33
Thickness of Unsaturted zone 1	13	-0.03	13	-0.01	8	-0.06	8	-0.02
Runoff coefficient	10	-0.04	10	-0.02	10	0.05	10	0.02
Wind Speed	9	0.08	9	0.04	4	0.23	4	0.08
Well pump intake depth	7	-0.13	7	-0.06	5	-0.11	5	-0.04
External gamma shielding factor	8	0.13	8	0.06	12	-0.02	12	-0.01
Inhalation rate	5	-0.15	5	-0.07	14	0.01	14	0.00
Soil ingestion	6	0.13	6	0.06	7	-0.08	7	-0.03
Thickness of Unsaturated zone 2	12	-0.03	12	-0.01	9	0.06	9	0.02
Thickness of contaminated zone	1	0.83	1	0.71	1	0.92	1	0.78
Aquatic food	4	0.16	4	0.08	6	0.08	6	0.03
Depth of soil mixing layer	3	-0.57	3	-0.33	2	-0.82	2	-0.47
Mass loading for inhalation	14	0.03	14	0.01	13	0.02	13	0.01
Indoor time fraction	11	0.04	11	0.02	11	0.05	11	0.02
R-SQUARE		0.78		0.78		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 Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.68	2	-0.41	3	-0.70	3	-0.34
Thickness of Unsaturted zone 1	6	0.12	6	0.05	12	-0.04	12	-0.01
Runoff coefficient	14	-0.01	14	0.00	6	0.12	6	0.04
Wind Speed	4	0.13	4	0.06	13	0.02	13	0.01
Well pump intake depth	7	-0.11	7	-0.05	9	-0.05	9	-0.02
External gamma shielding factor	10	0.04	10	0.02	14	0.00	14	0.00
Inhalation rate	5	-0.12	5	-0.05	7	-0.10	7	-0.03
Soil ingestion	11	0.02	11	0.01	8	-0.07	8	-0.02
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	11	0.04	11	0.01
Thickness of contaminated zone	1	0.84	1	0.67	1	0.90	1	0.73
Aquatic food	8	-0.09	8	-0.04	5	-0.14	5	-0.05
Depth of soil mixing layer	3	-0.67	3	-0.39	2	-0.79	2	-0.45
Mass loading for inhalation	12	-0.02	12	-0.01	10	0.05	10	0.02
Indoor time fraction	9	-0.06	9	-0.03	4	-0.17	4	-0.06
R-SQUARE		0.81		0.81		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 Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.70	2	-0.45	3	-0.75	3	-0.33
Thickness of Unsaturted zone 1	5	0.17	5	0.08	8	0.06	8	0.02
Runoff coefficient	13	-0.04	13	-0.02	6	-0.10	6	-0.03
Wind Speed	11	0.06	11	0.03	12	-0.02	12	-0.01
Well pump intake depth	6	0.12	6	0.05	11	0.02	11	0.01
External gamma shielding factor	4	0.20	4	0.10	14	-0.02	14	-0.01
Inhalation rate	14	0.02	14	0.01	5	-0.11	5	-0.03
Soil ingestion	8	-0.11	8	-0.05	7	-0.09	7	-0.03
Thickness of Unsaturated zone 2	12	-0.04	12	-0.02	9	-0.06	9	-0.02
Thickness of contaminated zone	1	0.83	1	0.69	1	0.94	1	0.80
Aquatic food	10	-0.06	10	-0.03	10	-0.04	10	-0.01
Depth of soil mixing layer	3	-0.57	3	-0.32	2	-0.82	2	-0.43
Mass loading for inhalation	7	0.11	7	0.05	13	0.02	13	0.01
Indoor time fraction	9	0.10	9	0.05	4	0.11	4	0.03
R-SQUARE		0.79		0.79		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 Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.66	2	-0.41	3	-0.71	3	-0.33
Thickness of Unsaturted zone 1	13	-0.03	13	-0.01	8	-0.07	8	-0.02
Runoff coefficient	10	-0.04	10	-0.02	9	0.06	9	0.02
Wind Speed	9	0.08	9	0.04	4	0.22	4	0.07
Well pump intake depth	7	-0.13	7	-0.06	5	-0.12	5	-0.04
External gamma shielding factor	8	0.13	8	0.06	13	-0.02	13	-0.01
Inhalation rate	5	-0.15	5	-0.07	14	0.01	14	0.00
Soil ingestion	6	0.13	6	0.06	7	-0.08	7	-0.02
Thickness of Unsaturated zone 2	12	-0.03	12	-0.01	10	0.06	10	0.02
Thickness of contaminated zone	1	0.84	1	0.71	1	0.92	1	0.79
Aquatic food	4	0.16	4	0.08	6	0.09	6	0.03
Depth of soil mixing layer	3	-0.58	3	-0.33	2	-0.82	2	-0.46
Mass loading for inhalation	14	0.03	14	0.01	12	0.03	12	0.01
Indoor time fraction	11	0.04	11	0.02	11	0.05	11	0.02
R-SQUARE		0.79		0.79		0.90		0.90

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	0.04	9	0.02	7	0.11	7	0.04
Thickness of Unsaturted zone 1	11	-0.01	11	-0.01	8	-0.10	8	-0.04
Runoff coefficient	6	0.07	6	0.03	5	0.15	5	0.05
Wind Speed	5	0.12	5	0.06	11	0.06	11	0.02
Well pump intake depth	8	-0.05	8	-0.02	10	-0.06	10	-0.02
External gamma shielding factor	7	-0.05	7	-0.02	6	0.14	6	0.05
Inhalation rate	14	0.00	14	0.00	9	-0.06	9	-0.02
Soil ingestion	2	0.71	2	0.50	3	0.80	3	0.46
Thickness of Unsaturated zone 2	10	0.02	10	0.01	12	0.02	12	0.01
Thickness of contaminated zone	3	0.57	4	0.34	2	0.81	2	0.47
Aquatic food	12	0.01	12	0.01	13	0.02	13	0.01
Depth of soil mixing layer	4	-0.57	3	-0.34	4	-0.78	4	-0.43
Mass loading for inhalation	13	-0.01	13	0.00	14	0.00	14	0.00
Indoor time fraction	1	0.73	1	0.54	1	0.83	1	0.51
R-SQUARE		0.76		0.76		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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.06	11	0.03	6	0.25	6	0.07
Thickness of Unsaturted zone 1	13	0.04	13	0.02	10	-0.10	10	-0.03
Runoff coefficient	12	-0.05	12	-0.03	12	0.02	12	0.01
Wind Speed	5	0.15	5	0.08	13	-0.01	13	0.00
Well pump intake depth	7	-0.10	7	-0.05	11	0.03	11	0.01
External gamma shielding factor	6	0.12	6	0.06	7	-0.22	7	-0.06
Inhalation rate	8	0.09	8	0.05	8	-0.20	8	-0.06
Soil ingestion	4	0.56	4	0.35	3	0.82	3	0.41
Thickness of Unsaturated zone 2	10	0.07	10	0.03	14	0.00	14	0.00
Thickness of contaminated zone	3	0.58	3	0.36	2	0.88	2	0.52
Aquatic food	14	0.02	14	0.01	5	-0.30	5	-0.09
Depth of soil mixing layer	2	-0.58	2	-0.37	4	-0.80	4	-0.38
Mass loading for inhalation	9	-0.07	9	-0.03	9	-0.13	9	-0.04
Indoor time fraction	1	0.73	1	0.55	1	0.89	1	0.57
R-SQUARE		0.74		0.74		0.92		0.92

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	0.05	10	0.02	5	-0.15	5	-0.05
Thickness of Unsaturted zone 1	11	-0.04	11	-0.02	11	-0.02	11	-0.01
Runoff coefficient	6	0.09	6	0.04	7	0.08	7	0.03
Wind Speed	8	0.07	8	0.04	6	0.10	6	0.03
Well pump intake depth	7	0.08	7	0.04	14	0.00	14	0.00
External gamma shielding factor	13	0.01	13	0.00	10	-0.03	10	-0.01
Inhalation rate	14	-0.01	14	0.00	13	0.01	13	0.00
Soil ingestion	2	0.60	2	0.38	2	0.79	2	0.43
Thickness of Unsaturated zone 2	5	0.09	5	0.05	8	0.06	8	0.02
Thickness of contaminated zone	4	0.56	4	0.34	4	0.78	3	0.41
Aquatic food	9	-0.06	9	-0.03	12	-0.02	12	-0.01
Depth of soil mixing layer	3	-0.60	3	-0.37	3	-0.78	4	-0.41
Mass loading for inhalation	12	0.01	12	0.01	9	-0.04	9	-0.01
Indoor time fraction	1	0.76	1	0.60	1	0.87	1	0.59
R-SQUARE		0.75		0.75		0.89		0.89

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.03	11	0.03	12	0.02	12	0.02
Thickness of Unsaturted zone 1	8	-0.09	8	-0.08	5	-0.16	5	-0.14
Runoff coefficient	3	-0.19	3	-0.18	2	-0.35	2	-0.31
Wind Speed	5	0.13	5	0.12	6	0.15	6	0.12
Well pump intake depth	2	0.20	2	0.19	13	0.02	13	0.02
External gamma shielding factor	13	-0.02	13	-0.01	4	0.21	4	0.18
Inhalation rate	10	-0.06	10	-0.05	7	-0.09	7	-0.07
Soil ingestion	1	0.21	1	0.19	11	-0.03	11	-0.03
Thickness of Unsaturated zone 2	6	-0.11	6	-0.10	1	-0.40	1	-0.36
Thickness of contaminated zone	7	0.10	7	0.09	3	0.24	3	0.21
Aquatic food	14	0.01	14	0.01	14	0.00	14	0.00
Depth of soil mixing layer	12	0.02	12	0.02	10	-0.03	10	-0.03
Mass loading for inhalation	9	-0.06	9	-0.05	9	0.05	9	0.04
Indoor time fraction	4	0.16	4	0.15	8	-0.06	8	-0.05
R-SQUARE		0.17		0.17		0.33		0.33

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	0.06	8	0.06	4	0.21	4	0.17
Thickness of Unsaturted zone 1	11	-0.03	11	-0.03	5	-0.18	5	-0.15
Runoff coefficient	3	-0.17	3	-0.16	2	-0.34	2	-0.30
Wind Speed	14	0.00	14	0.00	6	-0.18	6	-0.15
Well pump intake depth	9	0.06	9	0.05	10	0.05	10	0.04
External gamma shielding factor	7	-0.10	7	-0.09	8	-0.06	8	-0.05
Inhalation rate	1	0.19	1	0.18	3	0.27	3	0.23
Soil ingestion	10	-0.05	10	-0.04	13	0.03	13	0.03
Thickness of Unsaturated zone 2	4	-0.14	4	-0.13	1	-0.37	1	-0.33
Thickness of contaminated zone	2	0.18	2	0.17	11	-0.05	11	-0.04
Aquatic food	5	-0.13	5	-0.12	12	0.04	12	0.03
Depth of soil mixing layer	13	0.00	13	0.00	14	0.01	14	0.01
Mass loading for inhalation	6	0.11	6	0.10	9	0.05	9	0.04
Indoor time fraction	12	0.01	12	0.01	7	0.07	7	0.06
R-SQUARE		0.14		0.14		0.33		0.33

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	0.08	7	0.08	5	-0.11	5	-0.10
Thickness of Unsaturted zone 1	12	0.05	12	0.05	6	-0.10	6	-0.09
Runoff coefficient	2	-0.19	2	-0.18	1	-0.31	1	-0.29
Wind Speed	3	0.14	3	0.13	7	-0.09	7	-0.08
Well pump intake depth	13	0.04	13	0.04	9	-0.07	9	-0.06
External gamma shielding factor	10	-0.05	10	-0.05	4	0.13	4	0.11
Inhalation rate	6	0.09	6	0.09	13	0.01	13	0.01
Soil ingestion	14	-0.03	14	-0.03	10	0.06	10	0.05
Thickness of Unsaturated zone 2	4	-0.11	5	-0.11	2	-0.31	2	-0.29
Thickness of contaminated zone	8	0.08	8	0.07	3	0.14	3	0.12
Aquatic food	1	0.20	1	0.19	11	0.04	11	0.04
Depth of soil mixing layer	9	0.06	9	0.06	14	0.00	14	0.00
Mass loading for inhalation	11	-0.05	11	-0.05	12	0.04	12	0.03
Indoor time fraction	5	0.11	4	0.11	8	-0.08	8	-0.07
R-SQUARE		0.14		0.14		0.24		0.24

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.03	11	0.03	10	0.05	10	0.04
Thickness of Unsaturted zone 1	8	-0.09	8	-0.08	7	-0.12	7	-0.10
Runoff coefficient	3	-0.19	3	-0.18	2	-0.33	2	-0.29
Wind Speed	5	0.13	5	0.12	3	0.23	3	0.20
Well pump intake depth	2	0.20	2	0.19	8	0.10	8	0.08
External gamma shielding factor	13	-0.02	13	-0.02	4	0.22	4	0.18
Inhalation rate	10	-0.06	10	-0.05	9	-0.05	9	-0.04
Soil ingestion	1	0.21	1	0.19	11	-0.04	11	-0.03
Thickness of Unsaturated zone 2	6	-0.11	6	-0.10	1	-0.39	1	-0.35
Thickness of contaminated zone	7	0.10	7	0.09	5	0.17	5	0.14
Aquatic food	14	0.01	14	0.01	13	0.03	12	0.03
Depth of soil mixing layer	12	0.02	12	0.02	12	-0.03	13	-0.03
Mass loading for inhalation	9	-0.06	9	-0.05	6	0.12	6	0.11
Indoor time fraction	4	0.16	4	0.15	14	0.02	14	0.01
R-SQUARE		0.17		0.17		0.31		0.31

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	0.14	4	0.13	4	0.21	4	0.17
Thickness of Unsaturted zone 1	10	-0.05	10	-0.05	5	-0.18	5	-0.15
Runoff coefficient	1	-0.18	1	-0.17	2	-0.34	2	-0.30
Wind Speed	13	-0.04	13	-0.04	6	-0.18	6	-0.15
Well pump intake depth	6	0.10	6	0.09	10	0.05	10	0.04
External gamma shielding factor	5	-0.12	5	-0.11	8	-0.06	8	-0.05
Inhalation rate	2	0.17	2	0.16	3	0.27	3	0.23
Soil ingestion	14	-0.01	14	-0.01	13	0.03	13	0.03
Thickness of Unsaturated zone 2	3	-0.16	3	-0.15	1	-0.37	1	-0.33
Thickness of contaminated zone	9	0.06	9	0.05	11	-0.05	11	-0.04
Aquatic food	11	-0.04	11	-0.04	12	0.04	12	0.03
Depth of soil mixing layer	7	-0.07	7	-0.07	14	0.01	14	0.01
Mass loading for inhalation	8	0.07	8	0.07	9	0.05	9	0.04
Indoor time fraction	12	-0.04	12	-0.04	7	0.07	7	0.06
R-SQUARE		0.14		0.14		0.33		0.33

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	0.08	7	0.08	5	-0.11	5	-0.10
Thickness of Unsaturted zone 1	11	0.05	11	0.05	6	-0.10	6	-0.09
Runoff coefficient	2	-0.19	2	-0.18	1	-0.31	1	-0.29
Wind Speed	3	0.14	3	0.13	7	-0.09	7	-0.08
Well pump intake depth	13	0.04	13	0.04	9	-0.07	9	-0.06
External gamma shielding factor	10	-0.06	10	-0.05	4	0.13	4	0.11
Inhalation rate	6	0.09	6	0.09	13	0.01	13	0.01
Soil ingestion	14	-0.03	14	-0.03	10	0.06	10	0.05
Thickness of Unsaturated zone 2	4	-0.11	5	-0.11	2	-0.31	2	-0.29
Thickness of contaminated zone	8	0.08	8	0.07	3	0.14	3	0.12
Aquatic food	1	0.20	1	0.19	11	0.04	11	0.04
Depth of soil mixing layer	9	0.06	9	0.06	14	0.00	14	0.00
Mass loading for inhalation	12	-0.05	12	-0.05	12	0.04	12	0.03
Indoor time fraction	5	0.11	4	0.11	8	-0.08	8	-0.07
R-SQUARE		0.14		0.14		0.24		0.24

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.03	11	0.03	11	-0.03	11	-0.03
Thickness of Unsaturted zone 1	8	-0.09	8	-0.08	13	-0.02	13	-0.01
Runoff coefficient	3	-0.19	3	-0.18	1	-0.31	1	-0.29
Wind Speed	5	0.13	5	0.12	3	0.24	3	0.22
Well pump intake depth	2	0.20	2	0.19	9	0.06	9	0.05
External gamma shielding factor	13	-0.02	13	-0.01	7	0.08	7	0.07
Inhalation rate	10	-0.06	10	-0.05	6	-0.11	6	-0.10
Soil ingestion	1	0.21	1	0.19	10	0.06	10	0.05
Thickness of Unsaturated zone 2	6	-0.11	6	-0.10	2	-0.29	2	-0.26
Thickness of contaminated zone	7	0.10	7	0.09	5	0.14	5	0.12
Aquatic food	14	0.01	14	0.01	4	-0.15	4	-0.13
Depth of soil mixing layer	12	0.02	12	0.02	14	-0.02	14	-0.01
Mass loading for inhalation	9	-0.06	9	-0.05	12	0.02	12	0.02
Indoor time fraction	4	0.16	4	0.15	8	0.07	8	0.06
R-SQUARE		0.17		0.17		0.25		0.25

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	0.06	8	0.06	3	0.26	3	0.23
Thickness of Unsaturted zone 1	11	-0.03	11	-0.03	8	-0.11	8	-0.10
Runoff coefficient	3	-0.17	3	-0.16	4	-0.25	4	-0.22
Wind Speed	14	0.00	14	0.00	10	-0.08	10	-0.06
Well pump intake depth	9	0.06	9	0.05	11	0.05	11	0.04
External gamma shielding factor	7	-0.10	7	-0.09	14	-0.01	14	-0.01
Inhalation rate	1	0.19	1	0.18	2	0.31	2	0.27
Soil ingestion	10	-0.05	10	-0.04	12	0.04	12	0.03
Thickness of Unsaturated zone 2	4	-0.14	4	-0.13	1	-0.35	1	-0.31
Thickness of contaminated zone	2	0.18	2	0.17	7	-0.12	7	-0.10
Aquatic food	5	-0.13	5	-0.12	13	0.03	13	0.02
Depth of soil mixing layer	13	0.00	13	0.00	9	-0.10	9	-0.09
Mass loading for inhalation	6	0.11	6	0.10	6	0.12	6	0.10
Indoor time fraction	12	0.01	12	0.01	5	0.13	5	0.11
R-SQUARE		0.14		0.14		0.31		0.31

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	0.08	7	0.08	11	0.02	11	0.02
Thickness of Unsaturted zone 1	11	0.05	12	0.05	14	0.00	14	0.00
Runoff coefficient	2	-0.19	2	-0.18	1	-0.23	1	-0.22
Wind Speed	3	0.14	3	0.13	3	0.10	3	0.09
Well pump intake depth	13	0.04	13	0.04	10	-0.04	10	-0.04
External gamma shielding factor	10	-0.05	10	-0.05	6	0.08	6	0.07
Inhalation rate	6	0.09	6	0.09	8	0.05	8	0.05
Soil ingestion	14	-0.03	14	-0.03	13	0.01	13	0.01
Thickness of Unsaturated zone 2	4	-0.11	5	-0.11	2	-0.22	2	-0.21
Thickness of contaminated zone	8	0.08	8	0.07	12	0.01	12	0.01
Aquatic food	1	0.20	1	0.19	4	0.10	4	0.09
Depth of soil mixing layer	9	0.06	9	0.06	9	0.05	9	0.05
Mass loading for inhalation	12	-0.05	11	-0.05	7	-0.06	7	-0.06
Indoor time fraction	5	0.11	4	0.11	5	0.08	5	0.08
R-SQUARE		0.14		0.14		0.12		0.12

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.03	11	0.03	11	-0.03	11	-0.03
Thickness of Unsaturted zone 1	8	-0.09	8	-0.08	13	-0.02	13	-0.01
Runoff coefficient	3	-0.19	3	-0.18	1	-0.31	1	-0.29
Wind Speed	5	0.13	5	0.12	3	0.24	3	0.22
Well pump intake depth	2	0.20	2	0.19	9	0.06	9	0.05
External gamma shielding factor	13	-0.02	13	-0.01	7	0.08	7	0.07
Inhalation rate	10	-0.06	10	-0.05	6	-0.11	6	-0.10
Soil ingestion	1	0.21	1	0.19	10	0.06	10	0.05
Thickness of Unsaturated zone 2	6	-0.11	6	-0.10	2	-0.29	2	-0.26
Thickness of contaminated zone	7	0.10	7	0.09	5	0.14	5	0.12
Aquatic food	14	0.01	14	0.01	4	-0.15	4	-0.13
Depth of soil mixing layer	12	0.02	12	0.02	14	-0.02	14	-0.01
Mass loading for inhalation	9	-0.06	9	-0.05	12	0.02	12	0.02
Indoor time fraction	4	0.16	4	0.15	8	0.07	8	0.06
R-SQUARE		0.17		0.17		0.25		0.25

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	0.06	8	0.06	3	0.26	3	0.23
Thickness of Unsaturted zone 1	11	-0.03	11	-0.03	8	-0.11	8	-0.10
Runoff coefficient	3	-0.17	3	-0.16	4	-0.25	4	-0.22
Wind Speed	14	0.00	14	0.00	10	-0.08	10	-0.06
Well pump intake depth	9	0.06	9	0.05	11	0.05	11	0.04
External gamma shielding factor	7	-0.10	7	-0.09	14	-0.01	14	-0.01
Inhalation rate	1	0.19	1	0.18	2	0.31	2	0.27
Soil ingestion	10	-0.05	10	-0.04	12	0.04	12	0.03
Thickness of Unsaturated zone 2	4	-0.14	4	-0.13	1	-0.35	1	-0.31
Thickness of contaminated zone	2	0.18	2	0.17	7	-0.12	7	-0.10
Aquatic food	5	-0.13	5	-0.12	13	0.03	13	0.02
Depth of soil mixing layer	13	0.00	13	0.00	9	-0.10	9	-0.09
Mass loading for inhalation	6	0.11	6	0.10	6	0.12	6	0.10
Indoor time fraction	12	0.01	12	0.01	5	0.13	5	0.11
R-SQUARE		0.14		0.14		0.31		0.31

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	0.08	7	0.08	11	0.02	11	0.02
Thickness of Unsaturted zone 1	11	0.05	12	0.05	14	0.00	14	0.00
Runoff coefficient	2	-0.19	2	-0.18	1	-0.23	1	-0.22
Wind Speed	3	0.14	3	0.13	3	0.10	3	0.09
Well pump intake depth	13	0.04	13	0.04	10	-0.04	10	-0.04
External gamma shielding factor	10	-0.05	10	-0.05	6	0.08	6	0.07
Inhalation rate	6	0.09	6	0.09	8	0.05	8	0.05
Soil ingestion	14	-0.03	14	-0.03	13	0.01	13	0.01
Thickness of Unsaturated zone 2	4	-0.11	5	-0.11	2	-0.22	2	-0.21
Thickness of contaminated zone	8	0.08	8	0.07	12	0.01	12	0.01
Aquatic food	1	0.20	1	0.19	4	0.10	4	0.09
Depth of soil mixing layer	9	0.06	9	0.06	9	0.05	9	0.05
Mass loading for inhalation	12	-0.05	11	-0.05	7	-0.06	7	-0.06
Indoor time fraction	5	0.11	4	0.11	5	0.08	5	0.08
R-SQUARE		0.14		0.14		0.12		0.12

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.03	11	0.03	11	-0.03	11	-0.03
Thickness of Unsaturted zone 1	8	-0.09	8	-0.08	13	-0.02	13	-0.01
Runoff coefficient	3	-0.19	3	-0.18	1	-0.31	1	-0.29
Wind Speed	5	0.13	5	0.12	3	0.24	3	0.22
Well pump intake depth	2	0.20	2	0.19	9	0.06	9	0.05
External gamma shielding factor	13	-0.02	13	-0.01	7	0.08	7	0.07
Inhalation rate	10	-0.06	10	-0.05	6	-0.11	6	-0.10
Soil ingestion	1	0.21	1	0.19	10	0.06	10	0.05
Thickness of Unsaturated zone 2	6	-0.11	6	-0.10	2	-0.29	2	-0.26
Thickness of contaminated zone	7	0.10	7	0.09	5	0.14	5	0.12
Aquatic food	14	0.01	14	0.01	4	-0.15	4	-0.13
Depth of soil mixing layer	12	0.02	12	0.02	14	-0.02	14	-0.01
Mass loading for inhalation	9	-0.06	9	-0.05	12	0.02	12	0.02
Indoor time fraction	4	0.16	4	0.15	8	0.07	8	0.06
R-SQUARE		0.17		0.17		0.25		0.25

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	0.06	8	0.06	3	0.26	3	0.23
Thickness of Unsaturted zone 1	11	-0.03	11	-0.03	8	-0.11	8	-0.10
Runoff coefficient	3	-0.17	3	-0.16	4	-0.25	4	-0.22
Wind Speed	14	0.00	14	0.00	10	-0.08	10	-0.06
Well pump intake depth	9	0.06	9	0.05	11	0.05	11	0.04
External gamma shielding factor	7	-0.10	7	-0.09	14	-0.01	14	-0.01
Inhalation rate	1	0.19	1	0.18	2	0.31	2	0.27
Soil ingestion	10	-0.05	10	-0.04	12	0.04	12	0.03
Thickness of Unsaturated zone 2	4	-0.14	4	-0.13	1	-0.35	1	-0.31
Thickness of contaminated zone	2	0.18	2	0.17	7	-0.12	7	-0.10
Aquatic food	5	-0.13	5	-0.12	13	0.03	13	0.02
Depth of soil mixing layer	13	0.00	13	0.00	9	-0.10	9	-0.09
Mass loading for inhalation	6	0.11	6	0.10	6	0.12	6	0.10
Indoor time fraction	12	0.01	12	0.01	5	0.13	5	0.11
R-SQUARE		0.14		0.14		0.31		0.31

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	7	0.08	7	0.08	11	0.02	11	0.02
Thickness of Unsaturted zone 1	11	0.05	12	0.05	14	0.00	14	0.00
Runoff coefficient	2	-0.19	2	-0.18	1	-0.23	1	-0.22
Wind Speed	3	0.14	3	0.13	3	0.10	3	0.09
Well pump intake depth	13	0.04	13	0.04	10	-0.04	10	-0.04
External gamma shielding factor	10	-0.05	10	-0.05	6	0.08	6	0.07
Inhalation rate	6	0.09	6	0.09	8	0.05	8	0.05
Soil ingestion	14	-0.03	14	-0.03	13	0.01	13	0.01
Thickness of Unsaturated zone 2	4	-0.11	5	-0.11	2	-0.22	2	-0.21
Thickness of contaminated zone	8	0.08	8	0.07	12	0.01	12	0.01
Aquatic food	1	0.20	1	0.19	4	0.10	4	0.09
Depth of soil mixing layer	9	0.06	9	0.06	9	0.05	9	0.05
Mass loading for inhalation	12	-0.05	11	-0.05	7	-0.06	7	-0.06
Indoor time fraction	5	0.11	4	0.11	5	0.08	5	0.08
R-SQUARE		0.14		0.14		0.12		0.12

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

Coefficients for peak Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.39	4	-0.18	4	-0.50	4	-0.21
Thickness of Unsaturted zone 1	5	0.21	5	0.09	10	0.08	10	0.03
Runoff coefficient	6	0.21	6	0.09	5	0.13	5	0.05
Wind Speed	9	0.10	9	0.04	14	-0.01	14	0.00
Well pump intake depth	10	-0.08	10	-0.03	7	-0.11	7	-0.04
External gamma shielding factor	3	0.50	3	0.24	3	0.51	3	0.22
Inhalation rate	8	0.12	8	0.05	13	0.01	13	0.00
Soil ingestion	11	-0.05	11	-0.02	11	-0.08	11	-0.03
Thickness of Unsaturated zone 2	14	-0.02	13	-0.01	12	-0.04	12	-0.01
Thickness of contaminated zone	1	0.84	1	0.64	1	0.89	1	0.72
Aquatic food	12	0.03	12	0.01	8	-0.10	8	-0.04
Depth of soil mixing layer	13	-0.02	14	-0.01	9	-0.09	9	-0.03
Mass loading for inhalation	7	-0.15	7	-0.06	6	-0.12	6	-0.05
Indoor time fraction	2	0.79	2	0.54	2	0.78	2	0.47
R-SQUARE		0.83		0.83		0.86		0.86

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

Coefficients for peak Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.46	4	-0.24	4	-0.30	4	-0.12
Thickness of Unsaturted zone 1	8	0.07	8	0.03	9	-0.04	9	-0.02
Runoff coefficient	10	0.05	10	0.02	13	0.01	13	0.01
Wind Speed	7	0.09	7	0.04	14	0.01	14	0.00
Well pump intake depth	12	0.01	12	0.01	7	-0.05	7	-0.02
External gamma shielding factor	3	0.55	3	0.31	3	0.48	3	0.21
Inhalation rate	9	-0.06	9	-0.03	11	-0.04	11	-0.02
Soil ingestion	11	-0.02	11	-0.01	10	-0.04	10	-0.02
Thickness of Unsaturated zone 2	14	0.00	14	0.00	12	0.03	12	0.01
Thickness of contaminated zone	1	0.80	1	0.62	1	0.89	1	0.74
Aquatic food	6	-0.13	6	-0.06	5	-0.17	5	-0.07
Depth of soil mixing layer	5	-0.18	5	-0.09	6	-0.15	6	-0.06
Mass loading for inhalation	13	0.01	13	0.01	8	-0.05	8	-0.02
Indoor time fraction	2	0.73	2	0.50	2	0.80	2	0.50
R-SQUARE		0.79		0.79		0.85		0.85

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

Coefficients for peak Ra-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.61	4	-0.29	3	-0.57	3	-0.23
Thickness of Unsaturted zone 1	10	-0.06	10	-0.02	13	0.04	13	0.01
Runoff coefficient	8	0.11	8	0.04	9	0.09	9	0.03
Wind Speed	6	0.23	6	0.09	10	0.07	10	0.02
Well pump intake depth	14	-0.02	14	-0.01	7	0.19	7	0.06
External gamma shielding factor	3	0.64	3	0.31	4	0.55	4	0.22
Inhalation rate	12	-0.04	12	-0.01	14	-0.03	14	-0.01
Soil ingestion	7	0.17	7	0.06	12	-0.04	12	-0.01
Thickness of Unsaturated zone 2	11	0.06	11	0.02	11	0.06	11	0.02
Thickness of contaminated zone	1	0.88	1	0.70	1	0.91	1	0.72
Aquatic food	5	0.28	5	0.11	6	0.25	6	0.09
Depth of soil mixing layer	13	-0.04	13	-0.01	5	-0.27	5	-0.10
Mass loading for inhalation	9	-0.08	9	-0.03	8	-0.11	8	-0.04
Indoor time fraction	2	0.82	2	0.53	2	0.84	2	0.52
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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	0.07	10	0.03	13	-0.03	13	-0.01
Thickness of Unsaturted zone 1	6	0.17	6	0.07	7	0.06	7	0.02
Runoff coefficient	5	0.20	5	0.08	10	0.05	10	0.02
Wind Speed	11	0.05	11	0.02	12	-0.03	12	-0.01
Well pump intake depth	13	-0.05	13	-0.02	8	-0.06	8	-0.02
External gamma shielding factor	3	0.60	3	0.30	3	0.59	3	0.26
Inhalation rate	4	0.23	4	0.09	14	-0.01	14	0.00
Soil ingestion	12	-0.05	12	-0.02	6	0.06	6	0.02
Thickness of Unsaturated zone 2	14	-0.02	14	-0.01	5	-0.10	5	-0.04
Thickness of contaminated zone	2	0.79	2	0.53	1	0.87	1	0.63
Aquatic food	8	0.09	8	0.04	9	-0.05	9	-0.02
Depth of soil mixing layer	9	0.07	9	0.03	11	0.04	11	0.01
Mass loading for inhalation	7	-0.15	7	-0.06	4	-0.14	4	-0.05
Indoor time fraction	1	0.86	1	0.68	2	0.87	2	0.63
R-SQUARE		0.84		0.84		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 Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	8	-0.07	8	-0.03	4	0.21	4	0.08
Thickness of Unsaturted zone 1	12	-0.02	12	-0.01	6	-0.13	6	-0.05
Runoff coefficient	14	-0.01	14	-0.01	14	0.00	14	0.00
Wind Speed	7	0.08	7	0.04	10	0.05	10	0.02
Well pump intake depth	9	-0.07	9	-0.03	9	-0.07	9	-0.02
External gamma shielding factor	3	0.61	3	0.35	3	0.56	3	0.24
Inhalation rate	6	-0.09	6	-0.04	7	-0.11	7	-0.04
Soil ingestion	13	0.02	13	0.01	11	0.04	11	0.01
Thickness of Unsaturated zone 2	10	0.03	10	0.01	13	0.02	13	0.01
Thickness of contaminated zone	2	0.75	2	0.52	2	0.87	2	0.63
Aquatic food	5	-0.09	5	-0.04	5	-0.14	5	-0.05
Depth of soil mixing layer	4	-0.18	4	-0.08	8	-0.09	8	-0.03
Mass loading for inhalation	11	-0.02	11	-0.01	12	-0.03	12	-0.01
Indoor time fraction	1	0.81	1	0.62	1	0.87	1	0.64
R-SQUARE		0.79		0.79		0.87		0.87

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

Coefficients for peak Th-228 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	5	-0.24	5	-0.09	8	-0.14	8	-0.05
Thickness of Unsaturted zone 1	11	-0.07	11	-0.03	9	0.07	9	0.02
Runoff coefficient	12	0.07	12	0.02	14	0.00	14	0.00
Wind Speed	4	0.24	4	0.09	11	0.05	11	0.02
Well pump intake depth	13	0.06	13	0.02	6	0.18	6	0.06
External gamma shielding factor	3	0.68	3	0.36	3	0.53	3	0.23
Inhalation rate	9	0.08	9	0.03	13	0.01	13	0.00
Soil ingestion	10	0.07	10	0.03	12	-0.04	12	-0.02
Thickness of Unsaturated zone 2	8	0.12	8	0.05	10	0.05	10	0.02
Thickness of contaminated zone	2	0.84	2	0.58	2	0.86	2	0.61
Aquatic food	6	0.21	6	0.08	4	0.22	4	0.08
Depth of soil mixing layer	14	0.00	14	0.00	5	-0.21	5	-0.08
Mass loading for inhalation	7	-0.14	7	-0.05	7	-0.18	7	-0.06
Indoor time fraction	1	0.88	1	0.71	1	0.88	1	0.67
R-SQUARE		0.86		0.86		0.87		0.87

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

Coefficients for peak Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	5	-0.25	5	-0.10	4	-0.38	4	-0.12
Thickness of Unsaturted zone 1	6	0.22	6	0.08	9	0.08	9	0.02
Runoff coefficient	4	0.35	4	0.14	5	0.32	5	0.10
Wind Speed	9	0.09	9	0.03	14	-0.01	14	0.00
Well pump intake depth	10	-0.06	10	-0.02	11	-0.05	11	-0.02
External gamma shielding factor	3	0.48	3	0.21	3	0.52	3	0.18
Inhalation rate	8	0.14	8	0.05	13	0.02	13	0.00
Soil ingestion	11	-0.05	11	-0.02	12	-0.03	12	-0.01
Thickness of Unsaturated zone 2	14	-0.02	14	-0.01	10	-0.06	10	-0.02
Thickness of contaminated zone	1	0.90	1	0.75	1	0.94	1	0.83
Aquatic food	12	0.05	12	0.02	8	-0.08	8	-0.02
Depth of soil mixing layer	13	-0.03	13	-0.01	7	-0.09	7	-0.03
Mass loading for inhalation	7	-0.16	7	-0.06	6	-0.11	6	-0.03
Indoor time fraction	2	0.78	2	0.47	2	0.80	2	0.39
R-SQUARE		0.86		0.86		0.92		0.92

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

Coefficients for peak Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.37	4	-0.17	4	-0.22	4	-0.07
Thickness of Unsaturted zone 1	10	0.06	10	0.03	12	-0.04	12	-0.01
Runoff coefficient	5	0.19	5	0.08	5	0.21	5	0.06
Wind Speed	8	0.10	8	0.04	8	0.06	8	0.02
Well pump intake depth	12	0.01	12	0.01	13	-0.04	13	-0.01
External gamma shielding factor	3	0.52	3	0.26	3	0.48	3	0.16
Inhalation rate	9	-0.07	9	-0.03	14	-0.02	14	-0.01
Soil ingestion	11	-0.02	11	-0.01	10	-0.06	10	-0.02
Thickness of Unsaturated zone 2	14	0.00	14	0.00	9	0.06	9	0.02
Thickness of contaminated zone	1	0.86	1	0.72	1	0.94	1	0.85
Aquatic food	7	-0.14	7	-0.06	6	-0.17	6	-0.05
Depth of soil mixing layer	6	-0.19	6	-0.08	7	-0.16	7	-0.05
Mass loading for inhalation	13	-0.01	13	0.00	11	-0.05	11	-0.01
Indoor time fraction	2	0.70	2	0.42	2	0.79	2	0.38
R-SQUARE		0.82		0.82		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 Th-232 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.52	4	-0.20	4	-0.46	4	-0.14
Thickness of Unsaturted zone 1	14	-0.01	14	0.00	10	0.09	10	0.02
Runoff coefficient	5	0.29	5	0.10	5	0.29	5	0.08
Wind Speed	7	0.24	7	0.08	11	0.09	11	0.02
Well pump intake depth	11	-0.02	11	-0.01	7	0.22	8	0.06
External gamma shielding factor	3	0.60	3	0.25	3	0.55	3	0.18
Inhalation rate	12	-0.02	12	-0.01	14	0.01	14	0.00
Soil ingestion	8	0.21	8	0.07	13	-0.05	13	-0.01
Thickness of Unsaturated zone 2	9	0.07	9	0.02	12	0.08	12	0.02
Thickness of contaminated zone	1	0.93	1	0.80	1	0.95	1	0.84
Aquatic food	6	0.27	6	0.09	8	0.22	7	0.06
Depth of soil mixing layer	13	0.02	13	0.01	6	-0.26	6	-0.07
Mass loading for inhalation	10	-0.05	10	-0.02	9	-0.09	9	-0.02
Indoor time fraction	2	0.81	2	0.47	2	0.82	2	0.40
R-SQUARE		0.89		0.89		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.

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Dose Conversion Factor (and Related) Parameter Summary
Dose Library: FGR 11

0 Menu	Parameter	Current Value#	Base Case*	Parameter Name
A-1	DCF's for external ground radiation, (mrem/yr)/(pCi/g)			
A-1	At-218 (Source: FGR 12)	5.847E-03	5.847E-03	DCF1(1)
A-1	Bi-210 (Source: FGR 12)	3.606E-03	3.606E-03	DCF1(2)
A-1	Bi-214 (Source: FGR 12)	9.808E+00	9.808E+00	DCF1(3)
A-1	Pb-210 (Source: FGR 12)	2.447E-03	2.447E-03	DCF1(4)
A-1	Pb-214 (Source: FGR 12)	1.341E+00	1.341E+00	DCF1(5)
A-1	Po-210 (Source: FGR 12)	5.231E-05	5.231E-05	DCF1(6)
A-1	Po-214 (Source: FGR 12)	5.138E-04	5.138E-04	DCF1(7)
A-1	Po-218 (Source: FGR 12)	5.642E-05	5.642E-05	DCF1(8)
A-1	Ra-226 (Source: FGR 12)	3.176E-02	3.176E-02	DCF1(9)
A-1	Rn-222 (Source: FGR 12)	2.354E-03	2.354E-03	DCF1(10)
A-1	Tl-210 (Source: no data)	0.000E+00	-2.000E+00	DCF1(11)
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Pb-210+D	2.320E-02	1.360E-02	DCF2(1)
B-1	Ra-226+D	8.594E-03	8.580E-03	DCF2(2)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Pb-210+D	7.276E-03	5.370E-03	DCF3(1)
D-1	Ra-226+D	1.321E-03	1.320E-03	DCF3(2)
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-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC(1,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(1,2)
D-5				
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC(2,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(2,2)

#For DCF1(xxx) only, factors are for infinite depth & area. See ETFG table in Ground Pathway of Detailed Report.
*Base Case means Default.Lib w/o Associate Nuclide contributions.

Site-Specific Parameter Summary

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	2.023E+06	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	1.500E-01	2.000E+00	---	THICK0
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	1.900E+01	3.000E+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)	3.500E+01	1.000E+02	---	T(6)
R011	Times for calculations (yr)	1.000E+02	3.000E+02	---	T(7)
R011	Times for calculations (yr)	3.000E+02	1.000E+03	---	T(8)
R011	Times for calculations (yr)	1.000E+03	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	4.510E+00	0.000E+00	---	S1(1)
R012	Initial principal radionuclide (pCi/g): Ra-226	4.510E+00	0.000E+00	---	S1(2)
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)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	4.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone field capacity	2.000E-01	2.000E-01	---	FCCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Average annual wind speed (m/sec)	3.160E+00	2.000E+00	---	WIND
R013	Humidity in air (g/m**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.120E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	2.000E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	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)	1.500E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	4.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
R014	Saturated zone field capacity	2.000E-01	2.000E-01	---	FCSZ
R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+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)	2.500E+02	2.500E+02	---	UW

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R015	Number of unsaturated zone strata	2	1	---	NS
R015	Unsat. zone 1, thickness (m)	2.000E+00	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+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)	1.500E+00	1.500E+00	---	DENSUZ(2)
R015	Unsat. zone 2, total porosity	4.000E-01	4.000E-01	---	TPUZ(2)
R015	Unsat. zone 2, effective porosity	2.000E-01	2.000E-01	---	EPUZ(2)
R015	Unsat. zone 2, field capacity	2.000E-01	2.000E-01	---	FCUZ(2)
R015	Unsat. zone 2, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(2)
R015	Unsat. zone 2, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ(2)
R016	Distribution coefficients for Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,1)
R016	Unsaturated zone 2 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(1,2)
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.430E-02	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,1)
R016	Unsaturated zone 2 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(2,2)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	3.469E-02	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	1.000E-04	1.000E-04	---	MLINH
R017	Exposure duration	3.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	4.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	7.000E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.000E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	>0 shows circular AREA.	FS

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD_SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD_SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD_SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD_SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD_SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD_SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD_SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD_SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD_SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD_SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD_SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	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)	1.460E+02	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	0.000E+00	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	5.840E+02	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	-1	-1	0.500E+00	FPLANT
R018	Contamination fraction of meat	-1	-1	0.100E+01	FMEAT
R018	Contamination fraction of milk	-1	-1	0.100E+01	FMILK

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
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)	9.000E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	not used	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	1.000E+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)	1.100E+00	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)	8.000E-02	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	1.000E+00	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	2.500E-01	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	2.500E-01	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
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)

Site-Specific Parameter Summary (continued)

0 Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR_T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR_T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR_T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR1
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)
TITL	Number of graphical time points	128	---	---	NPTS
TITL	Maximum number of integration points for dose	17	---	---	LYMAX
TITL	Maximum number of integration points for risk	1	---	---	KYMAX

Summary of Pathway Selections

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

```
      Contaminated Zone Dimensions            Initial Soil Concentrations, pCi/g
      ____________________________            __________________________________

        Area:2023400.00 square meters                Pb-210     4.510E+00
   Thickness:      0.15 meters                       Ra-226     4.510E+00
 Cover Depth:      0.00 meters
0
                                                Total Dose TDOSE(t), mrem/yr
                                          Basic Radiation Dose Limit = 1.900E+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  3.500E+01  1.000E+02  3.000E+02  1.000E+03
     TDOSE(t):  3.713E+01  3.579E+01  3.325E+01  2.563E+01  1.192E+01  9.790E+00  5.897E-01  0.000E+00  1.317E+01
         M(t):  1.954E+00  1.884E+00  1.750E+00  1.349E+00  6.271E-01  5.153E-01  3.104E-02  0.000E+00  6.934E-01
0Maximum TDOSE(t):  3.713E+01 mrem/yr   at t = 0.000E+00 years
```

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.564E-02	0.0004	9.051E-03	0.0002	0.000E+00	0.0000	4.623E+00	0.1245	9.863E-01	0.0266	8.256E-01	0.0222	8.710E-01	0.0235
Ra-226	2.502E+01	0.6739	3.528E-03	0.0001	0.000E+00	0.0000	3.474E+00	0.0936	3.704E-01	0.0100	7.543E-01	0.0203	1.732E-01	0.0047
Total	2.504E+01	0.6744	1.258E-02	0.0003	0.000E+00	0.0000	8.097E+00	0.2181	1.357E+00	0.0365	1.580E+00	0.0426	1.044E+00	0.0281

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.330E+00	0.1974
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	2.980E+01	0.8026
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.713E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.479E-02	0.0004	8.506E-03	0.0002	0.000E+00	0.0000	4.345E+00	0.1214	9.273E-01	0.0259	7.760E-01	0.0217	8.186E-01	0.0229
Ra-226	2.410E+01	0.6734	3.650E-03	0.0001	0.000E+00	0.0000	3.471E+00	0.0970	3.851E-01	0.0108	7.482E-01	0.0209	1.918E-01	0.0054
Total	2.412E+01	0.6738	1.216E-02	0.0003	0.000E+00	0.0000	7.816E+00	0.2184	1.312E+00	0.0367	1.524E+00	0.0426	1.010E+00	0.0282

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.890E+00	0.1925
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	2.890E+01	0.8075
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.579E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	1.322E-02	0.0004	7.512E-03	0.0002	0.000E+00	0.0000	3.837E+00	0.1154	8.189E-01	0.0246	6.852E-01	0.0206	7.229E-01	0.0217
Ra-226	2.237E+01	0.6727	3.833E-03	0.0001	0.000E+00	0.0000	3.435E+00	0.1033	4.061E-01	0.0122	7.316E-01	0.0220	2.223E-01	0.0067
Total	2.238E+01	0.6731	1.135E-02	0.0003	0.000E+00	0.0000	7.272E+00	0.2187	1.225E+00	0.0368	1.417E+00	0.0426	9.452E-01	0.0284

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.085E+00	0.1830
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	2.717E+01	0.8170
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.325E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	8.933E-03	0.0003	4.854E-03	0.0002	0.000E+00	0.0000	2.480E+00	0.0967	5.292E-01	0.0206	4.428E-01	0.0173	4.671E-01	0.0182
Ra-226	1.721E+01	0.6714	3.989E-03	0.0002	0.000E+00	0.0000	3.138E+00	0.1224	4.262E-01	0.0166	6.483E-01	0.0253	2.747E-01	0.0107
Total	1.722E+01	0.6717	8.843E-03	0.0003	0.000E+00	0.0000	5.617E+00	0.2192	9.553E-01	0.0373	1.091E+00	0.0426	7.418E-01	0.0289

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.932E+00	0.1534
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	2.170E+01	0.8466
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	2.563E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	2.902E-03	0.0002	1.373E-03	0.0001	0.000E+00	0.0000	7.016E-01	0.0589	1.497E-01	0.0126	1.253E-01	0.0105	1.322E-01	0.0111
Ra-226	8.046E+00	0.6752	2.746E-03	0.0002	0.000E+00	0.0000	1.869E+00	0.1569	2.957E-01	0.0248	3.712E-01	0.0312	2.179E-01	0.0183
Total	8.048E+00	0.6755	4.119E-03	0.0003	0.000E+00	0.0000	2.571E+00	0.2158	4.454E-01	0.0374	4.965E-01	0.0417	3.501E-01	0.0294

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.113E+00	0.0934
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	1.080E+01	0.9066
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	1.192E+01	1.0000

0*Sum of all water independent and dependent pathways.

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

0	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	5.035E-05	0.0001	1.178E-05	0.0000	0.000E+00	0.0000	6.023E-03	0.0102	1.286E-03	0.0022	1.075E-03	0.0018	1.134E-03	0.0019
Ra-226	4.366E-01	0.7404	1.539E-04	0.0003	0.000E+00	0.0000	9.522E-02	0.1615	1.667E-02	0.0283	1.833E-02	0.0311	1.317E-02	0.0223
Total	4.367E-01	0.7404	1.657E-04	0.0003	0.000E+00	0.0000	1.012E-01	0.1717	1.795E-02	0.0304	1.940E-02	0.0329	1.430E-02	0.0243

0

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

0	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Radio-Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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-03	0.0162
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	5.802E-01	0.9838
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	5.897E-01	1.0000

0*Sum of all water independent and dependent pathways.

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

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0

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

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0*Sum of all water independent and dependent pathways.

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

0 Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

0

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

0 Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
Pb-210	9.923E-14	0.0000	2.784E-13	0.0000	0.000E+00	0.0000	6.676E-15	0.0000	1.482E-15	0.0000	1.932E-15	0.0000	3.877E-13	0.0000
Ra-226	3.828E+00	0.2906	8.917E+00	0.6769	0.000E+00	0.0000	2.581E-01	0.0196	6.031E-02	0.0046	1.101E-01	0.0084	1.317E+01	1.0000
Total	3.828E+00	0.2906	8.917E+00	0.6769	0.000E+00	0.0000	2.581E-01	0.0196	6.031E-02	0.0046	1.101E-01	0.0084	1.317E+01	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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.625E+00	1.528E+00	1.349E+00	8.719E-01	2.468E-01	1.793E-01	2.124E-03	0.000E+00	8.597E-14
0Ra-226+D	Ra-226+D	1.000E+00	6.578E+00	6.332E+00	5.868E+00	4.491E+00	2.070E+00	1.701E+00	1.069E-01	0.000E+00	2.796E-01
Ra-226+D	Pb-210+D	1.000E+00	2.912E-02	7.656E-02	1.560E-01	3.200E-01	3.250E-01	2.906E-01	2.176E-02	0.000E+00	2.641E+00
Ra-226+D	õDSR(j)		6.607E+00	6.409E+00	6.024E+00	4.811E+00	2.395E+00	1.991E+00	1.286E-01	0.000E+00	2.921E+00

The DSR includes contributions from associated (half-life ¾ 180 days) daughters.

0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 1.900E+01 mrem/yr

0Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	1.169E+01	1.244E+01	1.408E+01	2.179E+01	7.698E+01	1.060E+02	8.945E+03	*7.634E+13	*7.634E+13
Ra-226	2.876E+00	2.965E+00	3.154E+00	3.949E+00	7.932E+00	9.541E+00	1.477E+02	*9.885E+11	6.505E+00

*At specific activity limit

0

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

0Nuclide (i)	Initial (pCi/g)	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
Pb-210	4.510E+00	0.000E+00	1.625E+00	1.169E+01	1.625E+00	1.169E+01
Ra-226	4.510E+00	0.000E+00	6.607E+00	2.876E+00	6.607E+00	2.876E+00

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

0Nuclide (j)	Parent (i)	THF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	7.330E+00	6.890E+00	6.085E+00	3.932E+00	1.113E+00	8.087E-01	9.580E-03	0.000E+00	3.877E-13
Pb-210	Ra-226	1.000E+00	1.313E-01	3.453E-01	7.036E-01	1.443E+00	1.466E+00	1.311E+00	9.813E-02	0.000E+00	1.191E+01
Pb-210	õDOSE(j)		7.462E+00	7.236E+00	6.788E+00	5.376E+00	2.579E+00	2.119E+00	1.077E-01	0.000E+00	1.191E+01
0Ra-226	Ra-226	1.000E+00	2.966E+01	2.856E+01	2.647E+01	2.025E+01	9.337E+00	7.671E+00	4.820E-01	0.000E+00	1.261E+00

THF(i) is the thread fraction of the parent nuclide.

Individual Nuclide Soil Concentration
Parent Nuclide and Branch Fraction Indicated

0Nuclide (j)	Parent (i)	THF(i)	S(j,t), pCi/g t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	Pb-210	1.000E+00	4.510E+00	4.267E+00	3.820E+00	2.592E+00	8.562E-01	6.491E-01	1.773E-02	2.742E-07	3.984E-24
Pb-210	Ra-226	1.000E+00	0.000E+00	1.340E-01	3.672E-01	8.931E-01	1.099E+00	1.028E+00	1.792E-01	1.833E-04	3.868E-15
Pb-210	õS(j):		4.510E+00	4.401E+00	4.187E+00	3.485E+00	1.955E+00	1.677E+00	1.969E-01	1.836E-04	3.868E-15
0Ra-226	Ra-226	1.000E+00	4.510E+00	4.354E+00	4.059E+00	3.174E+00	1.573E+00	1.319E+00	1.346E-01	1.198E-04	2.522E-15

THF(i) is the thread fraction of the parent nuclide.
0RESCALC.EXE execution time = 29.52 seconds

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Iteration Log for Computation of the Time of Maximum Ra-226 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	8.26714E+00	8.88251E-04		
1	8.18486E+00	8.88260E-04	-8.22761E-02	parabolic
2	8.17668E+00	8.88260E-04	-2.88102E-03	parabolic
3	8.19305E+00	8.88260E-04	8.18487E-03	parabolic
4	8.18486E+00	8.88260E-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 Ra-226 Dose/Source Ratio
Pathway: Meat (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	8.75284E+00	9.47497E-02		
1	8.52548E+00	9.47563E-02	-2.27356E-01	parabolic
2	8.51695E+00	9.47563E-02	-3.97300E-04	parabolic
3	8.53401E+00	9.47563E-02	8.52548E-03	parabolic
4	8.52548E+00	9.47563E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-226 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	1.30528E+01	6.18954E-02		
1	1.32475E+01	6.18983E-02	1.94742E-01	parabolic
2	1.32343E+01	6.18984E-02	-6.13509E-03	parabolic
3	1.32210E+01	6.18983E-02	-1.32343E-02	parabolic
4	1.32343E+01	6.18984E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-226 Dose/Source Ratio
Pathway: Water
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	7.51680E+02	9.34694E-01		
1	7.68262E+02	9.34417E-01	1.65818E+01	parabolic
2	7.58558E+02	9.35220E-01	6.87831E+00	parabolic
3	7.59317E+02	9.35216E-01	5.44801E-01	parabolic
4	7.57800E+02	9.35214E-01	-7.58558E-01	parabolic
5	7.58558E+02	9.35220E-01	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-226 Dose/Source Ratio
Pathway: Fish
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	7.51680E+02	2.17477E+00		
1	7.69317E+02	2.17523E+00	1.76366E+01	parabolic
2	7.61374E+02	2.17679E+00	-7.94301E+00	parabolic
3	7.60612E+02	2.17681E+00	-3.14610E-01	parabolic
4	7.59852E+02	2.17680E+00	-7.60612E-01	parabolic
5	7.60612E+02	2.17681E+00	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-226 Dose/Source Ratio
Pathway: Plant (water dependent)
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	7.51680E+02	6.30310E-02		
1	7.68265E+02	6.30124E-02	1.65847E+01	parabolic
2	7.58566E+02	6.30665E-02	6.88598E+00	parabolic
3	7.59325E+02	6.30662E-02	5.42125E-01	parabolic
4	7.57808E+02	6.30661E-02	-7.58566E-01	parabolic
5	7.58566E+02	6.30665E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-226 Dose/Source Ratio
Pathway: Meat (water dependent)
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	7.51680E+02	1.47301E-02		
1	7.68049E+02	1.47244E-02	1.63687E+01	parabolic
2	7.57994E+02	1.47375E-02	6.31410E+00	parabolic
3	7.58752E+02	1.47374E-02	7.30624E-01	parabolic
4	7.57236E+02	1.47373E-02	-7.57994E-01	parabolic
5	7.57994E+02	1.47375E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Ra-226 Dose/Source Ratio
Pathway: Milk (water dependent)
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	7.51680E+02	2.69255E-02		
1	7.66265E+02	2.69007E-02	1.45849E+01	parabolic
2	7.53370E+02	2.69284E-02	1.69023E+00	parabolic
3	7.55791E+02	2.69296E-02	2.42048E+00	parabolic
4	7.55035E+02	2.69296E-02	-4.32344E-01	parabolic
5	7.54280E+02	2.69293E-02	-7.55035E-01	parabolic
6	7.55035E+02	2.69296E-02	0.00000E+00	direct

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

Iteration Log for Computation of the Time of Maximum Total Dose
Pathway: Water
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)

0 Iteration Number	t (years)	TDOSE(t) (mrem/yr)	Step Size (years)	Step Type
0	7.51680E+02	4.21547E+00		
1	7.68262E+02	4.21422E+00	1.65819E+01	parabolic
2	7.58558E+02	4.21784E+00	6.87811E+00	parabolic
3	7.59317E+02	4.21782E+00	5.44748E-01	parabolic
4	7.57800E+02	4.21781E+00	-7.58558E-01	parabolic
5	7.58558E+02	4.21784E+00	0.00000E+00	direct

Notes:
1) Step size always from t with current largest TDOSE(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 TDOSE(t) was smaller than the previous value.

Iteration Log for Computation of the Time of Maximum Total Dose
Pathway: Fish
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	TDOSE(t) (mrem/yr)	Step Size (years)	Step Type
0	7.51680E+02	9.80823E+00		
1	7.69317E+02	9.81028E+00	1.76366E+01	parabolic
2	7.61374E+02	9.81732E+00	-7.94291E+00	parabolic
3	7.60612E+02	9.81740E+00	-3.14632E-01	parabolic
4	7.59852E+02	9.81736E+00	-7.60612E-01	parabolic
5	7.60612E+02	9.81740E+00	0.00000E+00	direct

Notes:
1) Step size always from t with current largest TDOSE(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 TDOSE(t) was smaller than the previous value.

Iteration Log for Computation of the Time of Maximum Total Dose
Pathway: Plant (water dependent)
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	TDOSE(t) (mrem/yr)	Step Size (years)	Step Type
0	7.51680E+02	2.84270E-01		
1	7.68265E+02	2.84186E-01	1.65847E+01	parabolic
2	7.58566E+02	2.84430E-01	6.88583E+00	parabolic
3	7.59324E+02	2.84429E-01	5.42202E-01	parabolic
4	7.57807E+02	2.84428E-01	-7.58566E-01	parabolic
5	7.58566E+02	2.84430E-01	0.00000E+00	direct

Notes:
1) Step size always from t with current largest TDOSE(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 TDOSE(t) was smaller than the previous value.

Iteration Log for Computation of the Time of Maximum Total Dose
Pathway: Meat (water dependent)
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)
0

Iteration Number	t (years)	TDOSE(t) (mrem/yr)	Step Size (years)	Step Type
0	7.51680E+02	6.64326E-02		
1	7.68049E+02	6.64072E-02	1.63686E+01	parabolic
2	7.57994E+02	6.64659E-02	6.31387E+00	parabolic
3	7.58752E+02	6.64658E-02	7.30664E-01	parabolic
4	7.57236E+02	6.64652E-02	-7.57994E-01	parabolic
5	7.57994E+02	6.64659E-02	0.00000E+00	direct

Notes:
1) Step size always from t with current largest TDOSE(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 TDOSE(t) was smaller than the previous value.

Iteration Log for Computation of the Time of Maximum Total Dose
Pathway: Milk (water dependent)
0 Tolerance for tmax = 1.0E-03 (fractional accuracy)

0 Iteration Number	t (years)	TDOSE(t) (mrem/yr)	Step Size (years)	Step Type
0	7.51680E+02	1.21434E-01		
1	7.66265E+02	1.21322E-01	1.45849E+01	parabolic
2	7.53370E+02	1.21447E-01	1.69009E+00	parabolic
3	7.55791E+02	1.21452E-01	2.42093E+00	parabolic
4	7.55035E+02	1.21452E-01	-4.33456E-01	parabolic
5	7.54280E+02	1.21451E-01	-7.55035E-01	parabolic
6	7.55035E+02	1.21452E-01	0.00000E+00	direct

Notes:
1) Step size always from t with current largest TDOSE(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 TDOSE(t) was smaller than the previous value.

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

0 Parent (i)	Product (j)	Thread Fraction	ID(j,t) = THF(j)*S1(j,t)/S1(i,0) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.000E+00	9.694E-01	9.110E-01	7.328E-01	3.936E-01	3.369E-01	4.468E-02	8.918E-05	3.169E-14
0Ra-226+D	Ra-226+D	1.000E+00	1.000E+00	9.996E-01	9.987E-01	9.957E-01	9.871E-01	9.850E-01	9.576E-01	8.781E-01	6.484E-01
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	3.060E-02	8.897E-02	2.666E-01	6.019E-01	6.572E-01	9.258E-01	8.904E-01	6.576E-01

0

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

0 Parent (i)	Product (j)	Thread Fraction	SF(j,t) = THF(j)*S1(j,t)/S1(i,0) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.000E+00	9.461E-01	8.469E-01	5.747E-01	1.898E-01	1.439E-01	3.932E-03	6.079E-08	8.834E-25
0Ra-226+D	Ra-226+D	1.000E+00	1.000E+00	9.655E-01	9.000E-01	7.038E-01	3.487E-01	2.925E-01	2.984E-02	2.656E-05	5.591E-16
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	2.971E-02	8.142E-02	1.980E-01	2.436E-01	2.279E-01	3.973E-02	4.065E-05	8.576E-16

The effect of volatilization was also considered when computing the source factors for H-3 and C-14.

Parameters Used for Calculating Cover Depth and Contaminated Zone Thicknesses

0 Cover Erosion rate (vcv): 0.001000 m/yr
Contaminated Zone Erosion rate (vcz): 0.001000 m/yr
Water Table Drop rate (vwt): 0.001000 m/yr
Precipitation rate (Pr): 1.120000 m/yr
Cover Removal Time (Tc): 0.000E+00 yr
Overhead irrigation rate (Irr): 0.200 m/yr
Runoff coefficient (Cr): 0.200
Evapotranspiration coeff. (Ce): 0.500
Infiltration rate (In): 0.548 m/yr
Bulk soil density (rhob): 1.500 g/cm**3
Effective porosity (pe): 0.000

0

Radio-nuclide (i)	Distribution Coefficient Kd(i),cm**3/g	Leaching Ratio q(i)
Pb-210	1.000000E+02	2.149E-03
Ra-226	7.000000E+01	3.068E-03

0

Time Dependence of Source Geometry

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

Nuclide (i)	Cd(i,t) (meters) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

0

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

Nuclide (i)	T(i,t) (meters) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	1.1500E-01	5.0000E-02	0.0000E+00	0.0000E+00
Ra-226	1.5000E-01	1.4900E-01	1.4700E-01	1.4000E-01	1.2000E-01	1.1500E-01	5.0000E-02	0.0000E+00	0.0000E+00

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

Occupancy Factor (FO1): 0.600
Area (A): 2023400. sq. meters
Initial cover depth (Cd): 0.000 meters
Initial contaminated zone thickness (T): 0.150 meters

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

Nuclide (i)	FCTR_COV_DEPTH(i,t) (dimensionless) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
At-218	9.998E-01	9.998E-01	9.998E-01	9.997E-01	9.990E-01	9.986E-01	9.496E-01	0.000E+00	0.000E+00
Bi-210	9.565E-01	9.556E-01	9.538E-01	9.468E-01	9.208E-01	9.125E-01	6.799E-01	0.000E+00	0.000E+00
Bi-214	8.311E-01	8.292E-01	8.253E-01	8.110E-01	7.633E-01	7.496E-01	4.798E-01	0.000E+00	0.000E+00
Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.999E-01	9.998E-01	9.801E-01	0.000E+00	0.000E+00
Pb-214	9.252E-01	9.239E-01	9.213E-01	9.115E-01	8.761E-01	8.653E-01	6.004E-01	0.000E+00	0.000E+00
Po-210	8.776E-01	8.760E-01	8.726E-01	8.600E-01	8.165E-01	8.037E-01	5.280E-01	0.000E+00	0.000E+00
Po-214	8.735E-01	8.718E-01	8.684E-01	8.557E-01	8.121E-01	7.993E-01	5.266E-01	0.000E+00	0.000E+00
Po-218	8.733E-01	8.716E-01	8.681E-01	8.554E-01	8.117E-01	7.988E-01	5.255E-01	0.000E+00	0.000E+00
Ra-226	9.553E-01	9.544E-01	9.525E-01	9.453E-01	9.179E-01	9.092E-01	6.614E-01	0.000E+00	0.000E+00
Rn-222	8.983E-01	8.968E-01	8.938E-01	8.823E-01	8.420E-01	8.300E-01	5.579E-01	0.000E+00	0.000E+00
Tl-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

0

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

Nuclide (i)	FCTR_AREA(i,t) (dimensionless) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
At-218	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Bi-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
Bi-214	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	9.994E-01	1.000E+00	1.000E+00
Pb-210	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Pb-214	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Po-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
Po-214	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Po-218	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Ra-226	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Rn-222	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
Tl-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

0

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

0Nuclide (i)	DCF(i,1)*	ETFG(i,t) At Time in Years (dimensionless) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
At-218	5.847E-03	5.999E-01	5.999E-01	5.999E-01	5.998E-01	5.994E-01	5.992E-01	5.698E-01	0.000E+00	0.000E+00
Bi-210	3.606E-03	5.739E-01	5.733E-01	5.723E-01	5.681E-01	5.525E-01	5.475E-01	4.079E-01	0.000E+00	0.000E+00
Bi-214	9.808E+00	4.983E-01	4.972E-01	4.949E-01	4.863E-01	4.577E-01	4.495E-01	2.877E-01	0.000E+00	0.000E+00
Pb-210	2.447E-03	6.000E-01	6.000E-01	6.000E-01	6.000E-01	5.999E-01	5.999E-01	5.880E-01	0.000E+00	0.000E+00
Pb-214	1.341E+00	5.551E-01	5.544E-01	5.528E-01	5.469E-01	5.257E-01	5.192E-01	3.602E-01	0.000E+00	0.000E+00
Po-210	5.231E-05	5.266E-01	5.256E-01	5.236E-01	5.160E-01	4.899E-01	4.822E-01	3.168E-01	0.000E+00	0.000E+00
Po-214	5.138E-04	5.241E-01	5.231E-01	5.211E-01	5.134E-01	4.872E-01	4.796E-01	3.159E-01	0.000E+00	0.000E+00

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

0Nuclide (i)	DCF(i,1)*	ETFG(i,t) At Time in Years (dimensionless) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Po-218	5.642E-05	5.240E-01	5.229E-01	5.209E-01	5.132E-01	4.870E-01	4.793E-01	3.153E-01	0.000E+00	0.000E+00
Ra-226	3.176E-02	5.732E-01	5.726E-01	5.715E-01	5.672E-01	5.508E-01	5.455E-01	3.968E-01	0.000E+00	0.000E+00
Rn-222	2.354E-03	5.390E-01	5.381E-01	5.363E-01	5.294E-01	5.052E-01	4.980E-01	3.347E-01	0.000E+00	0.000E+00
Tl-210	0.000E+00	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01

* - Units are (mrem/yr)/(pCi/g) at infinite depth and area. Multiplication by ETFG(i,t) converts to site conditions.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,1,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	3.467E-03	3.279E-03	2.931E-03	1.981E-03	6.434E-04	4.852E-04	1.116E-05	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	5.548E+00	5.345E+00	4.960E+00	3.815E+00	1.783E+00	1.470E+00	9.670E-02	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	5.374E-05	1.548E-04	3.301E-04	7.201E-04	8.440E-04	7.837E-04	1.141E-04	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		5.548E+00	5.345E+00	4.960E+00	3.815E+00	1.784E+00	1.471E+00	9.681E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,2,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	2.007E-03	1.886E-03	1.666E-03	1.076E-03	3.045E-04	2.212E-04	2.613E-06	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	7.511E-04	7.203E-04	6.624E-04	4.933E-04	2.093E-04	1.683E-04	7.420E-06	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	3.108E-05	8.903E-05	1.875E-04	3.913E-04	3.995E-04	3.573E-04	2.671E-05	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		7.822E-04	8.094E-04	8.500E-04	8.846E-04	6.088E-04	5.256E-04	3.413E-05	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A):	2.0234E+06 m**2	Occupancy Factor (FO2):	4.5000E-01
Area Factor (FA2):	2.3607E-01	Annual Air Intake (F12):	8.4000E+03 m**3/yr
Cover Depth [Cd(0)]:	0.0000E+00 m	Mass Loading (ASR2):	1.0000E-04 g/m**3
Contaminated Zone Thickness [T(0)]:	1.5000E-01 m	FA2 * FO2 * F12 * ASR2:	8.9233E-02 g/yr

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor [FD(i,2,t)] (dimensionless)								
Pb-210	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	7.6667E-01	3.3333E-01	0.0000E+00	0.0000E+00
Ra-226	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	7.6667E-01	3.3333E-01	0.0000E+00	0.0000E+00

0

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

0 Parent (i)	Product (j)	DCF(j,2)*	ETF(j,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	2.320E-02	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	6.841E-02	2.974E-02	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	8.594E-03	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	6.841E-02	2.974E-02	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	2.320E-02	8.923E-02	8.864E-02	8.745E-02	8.328E-02	7.139E-02	6.841E-02	2.974E-02	0.000E+00	0.000E+00

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

Parameters Used for Calculating Indoor and Outdoor Radon Flux

0

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

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

t=	0.0000E+00	1.0000E+00	3.0000E+00	1.0000E+01	3.0000E+01	3.5000E+01	1.0000E+02	3.0000E+02	1.0000E+03
DMFLACT=	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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

t=	0.0000E+00	1.0000E+00	3.0000E+00	1.0000E+01	3.0000E+01	3.5000E+01	1.0000E+02	3.0000E+02	1.0000E+03
FAIACT =	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

0* - Parameters are used only for indoor radon flux

0

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

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

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

0

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

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

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

Parameters Used for Calculating Indoor and Outdoor Radon Concentration

Radon Vertical Dimension of Mixing (HMIX): 2.000E+00 (m)
Average Annual Wind Speed (WIND): 3.160E+00 (m/sec)
Building Room Height (HRM): 2.500E+00 (m)
Building Air Exchange Rate (REXG): 5.000E-01 (1/hr)

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

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

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

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

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

0Nuclide WLOTD(i,t) (WL)

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

0

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

0Nuclide WLIND(i,t) (WL)

(i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+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

0

0 Fraction of Time Spent Outdoors (FOTD): 2.500E-01
Fraction of Time Spent Indoors (FIND): 5.000E-01

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,9,t) - DSRRNW(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		0.000E+00	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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSRRNW(j,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		0.000E+00	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 DSR includes contributions from associated (half-life ≤ 180 days) daughters.

Transport Time Parameters for Unsaturated Zone Stratum No. 1

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

Radio-nuclide (i)	Distribution Coefficient Kduz(i,1), cm**3/g	Retardation Factor Rduz(i,1)	Transport Time Dtuz(i,1), yr
Pb-210	1.0000E+02	4.6527E+02	2.7431E+02
Ra-226	7.0000E+01	3.2599E+02	1.9220E+02

0

Transport Time Parameters for Unsaturated Zone Stratum No. 2

```
            Stratum thickness [h(2)]:      4.000000 m
Bulk soil material density [rhob(2)]:      1.500000 g/cm**3
        Effective porosity [peuz(2)]:      0.200000
    Hydraulic conductivity [Khuz(2)]:     10.000000 m/yr
            Total porosity [ptuz(2)]:      0.400000
  Soil specific b parameter [buz(2)]:      5.300000
          Saturation ratio [sruz(2)]:      0.807725
```

Radio-nuclide (i)	Distribution Coefficient Kduz(i,2), cm**3/g	Retardation Factor Rduz(i,2)	Transport Time Dtuz(i,2), yr
Pb-210	1.0000E+02	4.6527E+02	5.4862E+02
Ra-226	7.0000E+01	3.2599E+02	3.8439E+02

0

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

```
        Water table drop rate [vwt]:      0.001000 m/yr
Bulk soil material density [rhobaq]:      1.500000 g/cm**3
          Effective porosity [peaq]:      0.200000
      Hydraulic conductivity [Khaq]:    100.000000 m/yr
             Total porosity [ptaq]:      0.400000
    Soil specific b parameter [baq]:      5.300000
           Saturation ratio [sruaq]:      0.681921
```

Radio-nuclide (i)	Distribution Coefficient Kdaq(i), cm**3/g	Retardation Factor Rduaq(i)	Minimum Transport Time Dtuaq(i), yr
Pb-210	1.0000E+02	5.5092E+02	1.3076E+02
Ra-226	7.0000E+01	3.8594E+02	6.1267E+01

```
         Dilution Factor and Rise Time Parameters for Nondispersion (ND) Model
0                     Aquifer contamination depth at well (z):  2.74000E+01 m
                 Depth of water intake below water table (dw):  1.00000E+01 m
                                   Infiltration rate (In):  5.48000E-01 m/yr
                              Aquifer water flow rate (Vwfr):  2.00000E+00 m/yr
                                   Hydraulic gradient (J):  2.00000E-02
                       Hydraulic conductivity of aquifer (Kszh):  1.00000E+02 m/yr
           Contaminated zone extent parallel to gradient (l):  1.00000E+02 m
         Distance below contaminated zone to water table (h):  0.60000E+01 m
              Initial thickness of uncontaminated cover (Cd):  0.00000E+00 m
                  Initial thickness of contaminated zone (T):  0.15000E+00 m
                 Effective porosity of saturated zone (pesz):  0.20000E+00
```

0 Radio-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	1.000E+00	3.760E+02		3.760E+03	1.372E+03	3.217E+01
Ra-226	1.000E+00	2.635E+02		2.635E+03	9.617E+02	2.308E+03

0

Primary Parameters Used for Calculating Water/Soil
Concentration Ratios for Groundwater Pathway Segment
0 Model used: Nondispersion (ND)
Bulk soil density in contaminated zone (rhob): 1.500 g/cm**3

0 Radio-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	1.000E+00	4.653E+02	6.379E+02	9.537E+02	1.372E+03
Ra-226	1.000E+00	3.260E+02	6.379E+02	6.379E+02	9.617E+02

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

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
			WSR(j,1,t) At Time in Years (pCi/L)/(pCi/g)								
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.231E-15
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.239E-01
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.591E-01

0

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

0 Watershed Area (Aw) = 1.0000E+06 m**2
Contaminated Zone Area (A) = 2.0234E+06 m**2
Dilution Factor (f') = 2.0234E+00
Soil Density (rhob) = 1.5000E+00 kg/m**3

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
			WSR(j,2,t) At Time in Years (pCi/L)/(pCi/g)								
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.059E-14
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.531E-01
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.220E-01

Storage Times For Contaminated Foodstuffs

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

0

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

Parent (i)	Product (j)	Thread 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

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

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,1)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,2)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,3)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,5)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,7)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,4)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFWW(j,t,6)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CF3(j,1,t)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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	9.988E-01
0Ra-226+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.001E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
			CF3(j,2,t)# At Time in Years								
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
			CFLF(j,1,t)# At Time in Years								
Pb-210+D	Pb-210+D	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

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

0 Parent (i)	Product (j)	Thread Fraction	CFLF(j,1,t)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226+D	Ra-226+D	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+D	Pb-210+D	1.000E+00	1.000E+00	1.598E+00	1.175E+00	1.051E+00	1.018E+00	1.016E+00	1.008E+00	1.000E+00	1.002E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFLF(j,2,t)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	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+D	Pb-210+D	1.000E+00	1.000E+00	1.562E+00	1.172E+00	1.051E+00	1.018E+00	1.016E+00	1.008E+00	1.000E+00	1.002E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CF45(j,1,t)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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	9.983E-01
0Ra-226+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.104E+00	1.035E+00	1.010E+00	1.003E+00	1.003E+00	1.001E+00	1.000E+00	1.001E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CF45(j,2,t)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.013E+00	1.004E+00	1.001E+00	1.001E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

#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

0 Parent (i)	Product (j)	Thread Fraction	CFF(j,1,t)# At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	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	9.994E-01
0Ra-226+D	Ra-226+D	1.000E+00	1.000E+00	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+D	Pb-210+D	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	9.995E-01

#Correction factor = (concentration in media at consumption time)/(concentration at harvest time).

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,1,t) (dimensionless)								
Pb-210	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	1.2778E-01	5.5556E-02	0.0000E+00	0.0000E+00
Ra-226	1.6667E-01	1.6556E-01	1.6333E-01	1.5556E-01	1.3333E-01	1.2778E-01	5.5556E-02	0.0000E+00	0.0000E+00

0

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,2,t) (dimensionless)								
Pb-210	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	7.6667E-01	3.3333E-01	0.0000E+00	0.0000E+00
Ra-226	1.0000E+00	9.9333E-01	9.8000E-01	9.3333E-01	8.0000E-01	7.6667E-01	3.3333E-01	0.0000E+00	0.0000E+00

0

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

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

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
	Depth Factor FD(i,3,t) (dimensionless)								
Pb-210	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00
Ra-226	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00	1.0000E+00

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

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

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

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

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

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,1,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	1.450E+02	1.364E+02	1.205E+02	7.787E+01	2.205E+01	1.602E+01	1.903E-01	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	5.800E+02	5.571E+02	5.123E+02	3.816E+02	1.620E+02	1.303E+02	5.780E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	4.744E+00	1.201E+01	2.715E+01	2.843E+01	2.548E+01	1.928E+00	0.000E+00	0.000E+00

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

0

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	1.462E-01	1.375E-01	1.215E-01	7.851E-02	2.223E-02	1.615E-02	1.919E-04	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	1.462E-01	1.404E-01	1.291E-01	9.617E-02	4.084E-02	3.284E-02	1.457E-03	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	4.319E-03	1.168E-02	2.705E-02	2.853E-02	2.558E-02	1.939E-03	0.000E+00	0.000E+00

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

0

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,3,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.339E-16
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.138E-02
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.633E-02

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

0

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

0 Parent (i)	Product (j)	DCF(j,3)*	ETF(j,3,4,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.050E-13
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.779E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.241E+00

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

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

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,1,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	5.712E+00	5.398E+00	4.767E+00	3.081E+00	8.725E-01	6.340E-01	7.546E-03	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	2.856E+01	2.759E+01	2.538E+01	1.890E+01	8.028E+00	6.455E+00	2.868E-01	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	2.702E-01	5.510E-01	1.131E+00	1.149E+00	1.028E+00	7.729E-02	0.000E+00	0.000E+00

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

0

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

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	2.319E-02	2.191E-02	1.935E-02	1.251E-02	3.542E-03	2.573E-03	3.063E-05	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	2.898E-02	2.800E-02	2.575E-02	1.918E-02	8.147E-03	6.550E-03	2.911E-04	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	6.977E-04	1.869E-03	4.316E-03	4.548E-03	4.078E-03	3.096E-04	0.000E+00	0.000E+00

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

0

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

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,3,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.532E-18
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.044E-03
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.987E-04

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

0

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

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,4,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.245E-14
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.740E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.921E-01

* - 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)

0 Parent (i)	Product (j)	DCF(j,4)*	ETF(j,4,5,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.317E-14
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.054E-01
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.015E-01

* - 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)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,1,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	4.015E+00	3.788E+00	3.345E+00	2.162E+00	6.123E-01	4.448E-01	5.292E-03	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	5.353E+01	5.161E+01	4.746E+01	3.535E+01	1.501E+01	1.207E+01	5.361E-01	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	1.674E-01	3.662E-01	7.782E-01	7.998E-01	7.158E-01	5.397E-02	0.000E+00	0.000E+00

* - The dose conversion factor units are mrem/pCi.
0

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

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,2,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	1.630E-02	1.538E-02	1.358E-02	8.777E-03	2.485E-03	1.806E-03	2.148E-05	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	5.433E-02	5.237E-02	4.817E-02	3.588E-02	1.524E-02	1.225E-02	5.440E-04	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	4.860E-04	1.309E-03	3.026E-03	3.190E-03	2.861E-03	2.171E-04	0.000E+00	0.000E+00

* - The dose conversion factor units are mrem/pCi.
0

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

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,3,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.704E-18
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.831E-03
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.082E-04

* - The dose conversion factor units are mrem/pCi.
0

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

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,4,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.282E-14
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.262E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.967E-01

* - 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)

0 Parent (i)	Product (j)	DCF(j,5)*	ETF(j,5,5,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.666E-14
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.231E+00
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.116E+00

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

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

0 Parent (i)	Product (j)	DCF(j,6)*	ETF(j,6,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.572E-12
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.117E+01
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.607E+02

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

0

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

0 Parent (i)	Product (j)	DCF(j,7)*	ETF(j,7,t) * SF(j,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.055E-12
0Ra-226+D	Ra-226+D	1.321E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.308E+02
Ra-226+D	Pb-210+D	7.276E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.293E+01

* - 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,1t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.024E+00	9.625E-01	8.499E-01	5.492E-01	1.554E-01	1.129E-01	1.334E-03	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	7.513E-01	7.207E-01	6.627E-01	4.935E-01	2.094E-01	1.684E-01	7.427E-03	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	1.877E-02	4.871E-02	9.872E-02	2.019E-01	2.048E-01	1.831E-01	1.367E-02	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		7.700E-01	7.694E-01	7.614E-01	6.954E-01	4.143E-01	3.515E-01	2.110E-02	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.
0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,2t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.032E-03	9.704E-04	8.570E-04	5.538E-04	1.567E-04	1.138E-04	1.345E-06	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	1.894E-04	1.816E-04	1.670E-04	1.244E-04	5.279E-05	4.244E-05	1.872E-06	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	1.599E-05	4.580E-05	9.649E-05	2.013E-04	2.055E-04	1.838E-04	1.375E-05	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		2.054E-04	2.274E-04	2.635E-04	3.257E-04	2.583E-04	2.263E-04	1.562E-05	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.
0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,3t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.845E-18
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.207E-04
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.188E-04
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.395E-04

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,4t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.477E-15
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.159E-02
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.540E-02
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.700E-02

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,3,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.025E+00	9.634E-01	8.508E-01	5.498E-01	1.556E-01	1.130E-01	1.335E-03	0.000E+00	1.480E-15
0Ra-226+D	Ra-226+D	1.000E+00	7.515E-01	7.208E-01	6.629E-01	4.936E-01	2.095E-01	1.684E-01	7.429E-03	0.000E+00	1.171E-02
Ra-226+D	Pb-210+D	1.000E+00	1.879E-02	4.876E-02	9.881E-02	2.021E-01	2.050E-01	1.833E-01	1.368E-02	0.000E+00	4.552E-02
Ra-226+D	ΣDSR(j)		7.702E-01	7.696E-01	7.617E-01	6.958E-01	4.145E-01	3.517E-01	2.111E-02	0.000E+00	5.724E-02

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,1t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	4.049E-02	3.808E-02	3.363E-02	2.173E-02	6.151E-03	4.468E-03	5.289E-05	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	3.718E-02	3.570E-02	3.283E-02	2.445E-02	1.038E-02	8.342E-03	3.686E-04	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	1.265E-03	2.515E-03	4.447E-03	8.392E-03	8.277E-03	7.385E-03	5.480E-04	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		3.844E-02	3.821E-02	3.727E-02	3.284E-02	1.865E-02	1.573E-02	9.166E-04	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.
0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,2t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.644E-04	1.546E-04	1.365E-04	8.822E-05	2.497E-05	1.814E-05	2.147E-07	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	3.773E-05	3.623E-05	3.331E-05	2.481E-05	1.053E-05	8.466E-06	3.741E-07	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	2.608E-06	7.365E-06	1.543E-05	3.212E-05	3.277E-05	2.931E-05	2.195E-06	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		4.034E-05	4.359E-05	4.875E-05	5.693E-05	4.330E-05	3.778E-05	2.569E-06	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.
0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,3t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.865E-20
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.699E-06
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.173E-06
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.872E-06

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,4t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.337E-16
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.298E-03
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.218E-03
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.516E-03

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,5t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.487E-17
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.315E-04
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.921E-03
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.853E-03

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,4,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	2.187E-01	2.056E-01	1.816E-01	1.173E-01	3.320E-02	2.412E-02	2.851E-04	0.000E+00	3.286E-16
0Ra-226+D	Ra-226+D	1.000E+00	7.805E-02	7.490E-02	6.888E-02	5.130E-02	2.177E-02	1.750E-02	7.728E-04	0.000E+00	3.232E-03
Ra-226+D	Pb-210+D	1.000E+00	4.090E-03	1.050E-02	2.117E-02	4.320E-02	4.378E-02	3.914E-02	2.923E-03	0.000E+00	1.014E-02
Ra-226+D	ΣDSR(j)		8.214E-02	8.540E-02	9.005E-02	9.449E-02	6.556E-02	5.664E-02	3.696E-03	0.000E+00	1.337E-02

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,1t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	2.842E-02	2.673E-02	2.360E-02	1.525E-02	4.316E-03	3.135E-03	3.709E-05	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	6.956E-02	6.677E-02	6.140E-02	4.572E-02	1.941E-02	1.560E-02	6.889E-04	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	7.469E-04	1.607E-03	2.975E-03	5.781E-03	5.762E-03	5.145E-03	3.827E-04	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		7.031E-02	6.837E-02	6.437E-02	5.151E-02	2.517E-02	2.075E-02	1.072E-03	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,2t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.154E-04	1.085E-04	9.580E-05	6.191E-05	1.752E-05	1.273E-05	1.506E-07	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	7.059E-05	6.775E-05	6.231E-05	4.640E-05	1.969E-05	1.583E-05	6.992E-07	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	1.807E-06	5.143E-06	1.081E-05	2.252E-05	2.299E-05	2.056E-05	1.539E-06	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		7.240E-05	7.290E-05	7.312E-05	6.892E-05	4.268E-05	3.639E-05	2.238E-06	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,3t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.828E-20
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.059E-06
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.515E-06
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.573E-06

The DSR includes contributions from associated (half-life ≤ 180 days) 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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,4t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.644E-16
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.307E-03
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.068E-03
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.376E-03

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,5t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.640E-16
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.908E-03
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.116E-03
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.502E-02

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,5,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.831E-01	1.721E-01	1.519E-01	9.818E-02	2.778E-02	2.018E-02	2.384E-04	0.000E+00	4.284E-16
0Ra-226+D	Ra-226+D	1.000E+00	1.641E-01	1.574E-01	1.448E-01	1.078E-01	4.575E-02	3.678E-02	1.623E-03	0.000E+00	1.122E-02
Ra-226+D	Pb-210+D	1.000E+00	3.168E-03	8.496E-03	1.745E-02	3.595E-02	3.655E-02	3.268E-02	2.441E-03	0.000E+00	1.319E-02
Ra-226+D	ΣDSR(j)		1.672E-01	1.659E-01	1.622E-01	1.438E-01	8.230E-02	6.946E-02	4.064E-03	0.000E+00	2.441E-02

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,6,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.173E-14
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.078E-02
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.896E+00
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.977E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,7,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.200E-14
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.727E-01
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.761E-01
Ra-226+D	ΣDSR(j)		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.488E-01

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

Plant/Air and Plant/Water Concentration Ratios
0 Mass loading [ASR(3)]: 1.000E-04 g/m**3
Area Factor for Mass Loading [FA(2)]: 2.361E-01

0Nuclide (i)	FAR(i,3,2,1) m**3/g	FAR(i,3,2,2) m**3/g	FWR(i,3,3,1) L/g	FWR(i,3,3,2) L/g	FWR(i,3,4,1) L/g	FWR(i,3,4,2) L/g
Pb-210	5.4545E-02	2.6156E-01	1.1310E-06	1.6616E-06	3.4522E-04	1.6554E-03
Ra-226	5.4545E-02	2.6156E-01	4.5200E-06	6.6378E-06	3.4522E-04	1.6554E-03

FAR(i,p,q,k) is the plant/air concentration ratio for airborne contaminated dust,
and FWR(i,p,q,k) is the plant/water concentration ratio. See groundwater displays
for water/soil concentration ratios.
0

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

Parent	Product	FSR(i,3,1,k)	FSR(i,3,2,1)	FSR(i,3,2,2)
Pb-210+D	Pb-210+D	1.0000E-02	1.2876E-06	6.1745E-06
0 Ra-226+D	Ra-226+D	4.0000E-02	1.2876E-06	6.1745E-06
Ra-226+D	Pb-210+D	1.0000E-02	1.2876E-06	6.1745E-06

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,3,k,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.921E-21
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.012E-06
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.800E-07

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,4,1,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.807E-18

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,4,1,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.731E-05
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.494E-05

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,3,4,2,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.660E-18
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.707E-04
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.634E-04

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

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0     FI(4,q):   68.0 kg/day     FI(5,q):   55.0 kg/day   q=1,2,3,4
      FI(4,q):   50.0  L/day     FI(5,q):  160.0  L/day   q=5
      FI(4,q):    0.5 kg/day     FI(5,q):
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0Nuclide (i)	FQR(i,4) d/kg	FQR(i,5) d/kg	FAR(i,3,2,3) m**3/g	FWR(i,3,3,3) L/g	FWR(i,3,4,3) L/g
Pb-210	8.0000E-04	3.0000E-04	2.8659E-01	5.3282E-07	1.8139E-03
Ra-226	1.0000E-03	1.0000E-03	2.8659E-01	2.1304E-06	1.8139E-03

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

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

Nuclide(i) Parent	Product	QSR(i,p,1)	QSR(i,p,2)
Pb-210+D	Pb-210+D	1.0000E-02	6.7655E-06
Ra-226+D	Ra-226+D	4.0000E-02	6.7655E-06
Ra-226+D	Pb-210+D	1.0000E-02	6.7655E-06

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

Parent (i)	Product (j)	Thread Fraction	QSR(j,p,3,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Parent (i)	Product (j)	Thread Fraction	QSR(j,p,4,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

Parent (i)	Product (j)	Thread Fraction	QSR(j,p,5,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

	Nuclide(i) Parent	Nuclide(i) Product	FSR(i,4,1)	FSR(i,4,2)
	Pb-210+D	Pb-210+D	9.0667E-05	3.6804E-07
0	Ra-226+D	Ra-226+D	4.5333E-04	4.6005E-07
	Ra-226+D	Pb-210+D	0.0000E+00	0.0000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,4,3,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.516E-22
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.244E-08
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.695E-09

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,4,4,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.159E-19
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.762E-05
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.573E-05

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,4,5,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.095E-19
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.120E-05
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.366E-06

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

	Nuclide(i) Parent	Nuclide(i) Product	FSR(i,5,1)	FSR(i,5,2)
	Pb-210+D	Pb-210+D	2.7500E-05	1.1163E-07
0	Ra-226+D	Ra-226+D	3.6667E-04	3.7210E-07
	Ra-226+D	Pb-210+D	0.0000E+00	0.0000E+00

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,5,3,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.592E-23
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.624E-08
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.424E-09

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,5,4,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.563E-19
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.234E-05
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.770E-06

0

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

0 Parent (i)	Product (j)	Thread Fraction	FSR(j,5,5,t) * SF(j,t) At Time in Years 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.511E-19
0Ra-226+D	Ra-226+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.583E-05
Ra-226+D	Pb-210+D	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.638E-06

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

0 Parent (i)	Product (j)	Thread Fraction	DSR(j,8,t) At Time in Years (mrem/yr)/(pCi/g) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	1.000E+00	1.931E-01	1.815E-01	1.603E-01	1.036E-01	2.931E-02	2.129E-02	2.515E-04	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.000E+00	3.541E-02	3.396E-02	3.123E-02	2.326E-02	9.870E-03	7.934E-03	3.499E-04	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	1.000E+00	2.991E-03	8.567E-03	1.805E-02	3.765E-02	3.844E-02	3.438E-02	2.570E-03	0.000E+00	0.000E+00
Ra-226+D	ΣDSR(j)		3.841E-02	4.253E-02	4.928E-02	6.091E-02	4.831E-02	4.232E-02	2.920E-03	0.000E+00	0.000E+00

The DSR includes contributions from associated (half-life ≤ 180 days) daughters.

0

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

0 Parent (i)	Product (j)	DCF(j,8)*	ETF(j,8,t) At Time in Years (g/yr) 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
Pb-210+D	Pb-210+D	7.276E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	2.099E+01	9.125E+00	0.000E+00	0.000E+00
0Ra-226+D	Ra-226+D	1.321E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	2.099E+01	9.125E+00	0.000E+00	0.000E+00
Ra-226+D	Pb-210+D	7.276E-03	2.738E+01	2.719E+01	2.683E+01	2.555E+01	2.190E+01	2.099E+01	9.125E+00	0.000E+00	0.000E+00

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

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

0 Menu	Parameter	Current Value	Base Case*	Parameter Name
Sf-1	Ground external radiation slope factors, 1/yr per (pCi/g):			
Sf-1	Pb-210+D	4.21E-09	1.41E-09	SLPF(1,1)
Sf-1	Ra-226+D	8.49E-06	2.29E-08	SLPF(2,1)
Sf-2	Inhalation, slope factors, 1/(pCi):			
Sf-2	Pb-210+D	3.08E-08	1.58E-08	SLPF(1,2)
Sf-2	Ra-226+D	2.83E-08	2.82E-08	SLPF(2,2)
Sf-3	Food ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	3.44E-09	1.18E-09	SLPF(1,3)
Sf-3	Ra-226+D	5.15E-10	5.14E-10	SLPF(2,3)
Sf-3	Water ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	2.66E-09	8.81E-10	SLPF(1,4)
Sf-3	Ra-226+D	3.86E-10	3.85E-10	SLPF(2,4)
Sf-3	Soil ingestion, slope factors, 1/(pCi):			
Sf-3	Pb-210+D	3.44E-09	1.18E-09	SLPF(1,5)
Sf-3	Ra-226+D	5.15E-10	5.14E-10	SLPF(2,5)
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	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)

*Base Case means Default.Lib w/o Associate Nuclide contributions.

Risk Slope and Environmental Transport Factors for the Ground Pathway

0Nuclide (i)	Slope(i)*	ETFG(i,t) At Time in Years (dimensionless) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	3.500E+01	1.000E+02	3.000E+02	1.000E+03
At-218	3.570E-09	5.999E-01	5.999E-01	5.999E-01	5.998E-01	5.994E-01	5.992E-01	5.698E-01	0.000E+00	0.000E+00
Bi-210	2.760E-09	5.739E-01	5.733E-01	5.723E-01	5.681E-01	5.525E-01	5.475E-01	4.079E-01	0.000E+00	0.000E+00
Bi-214	7.480E-06	4.983E-01	4.972E-01	4.949E-01	4.863E-01	4.577E-01	4.495E-01	2.877E-01	0.000E+00	0.000E+00
Pb-210	1.410E-09	6.000E-01	6.000E-01	6.000E-01	6.000E-01	5.999E-01	5.999E-01	5.880E-01	0.000E+00	0.000E+00
Pb-214	9.820E-07	5.551E-01	5.544E-01	5.528E-01	5.469E-01	5.257E-01	5.192E-01	3.602E-01	0.000E+00	0.000E+00
Po-210	3.950E-11	5.266E-01	5.256E-01	5.236E-01	5.160E-01	4.899E-01	4.822E-01	3.168E-01	0.000E+00	0.000E+00
Po-214	3.860E-10	5.241E-01	5.231E-01	5.211E-01	5.134E-01	4.872E-01	4.796E-01	3.159E-01	0.000E+00	0.000E+00
Po-218	4.260E-11	5.240E-01	5.229E-01	5.209E-01	5.132E-01	4.870E-01	4.793E-01	3.153E-01	0.000E+00	0.000E+00
Ra-226	2.290E-08	5.732E-01	5.726E-01	5.715E-01	5.672E-01	5.508E-01	5.455E-01	3.968E-01	0.000E+00	0.000E+00
Rn-222	1.740E-09	5.390E-01	5.381E-01	5.363E-01	5.294E-01	5.052E-01	4.980E-01	3.347E-01	0.000E+00	0.000E+00
Tl-210	0.000E+00	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01	6.000E-01

* - Units are 1/yr per (pCi/g) at infinite depth and area. Multiplication by ETFG(i,t) converts to site conditions.

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	4.024E-01	6.546E+02	1.395E+02	1.170E+02	1.235E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.035E+03
Ra-226	4.024E-01	2.616E+03	2.710E+02	5.709E+02	1.235E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.582E+03

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.316E-07	0.0004	3.713E-07	0.0005	6.761E-05	0.0910	1.441E-05	0.0194	1.208E-05	0.0163	1.275E-05	0.0172
Ra-226	5.800E-04	0.7804	3.413E-07	0.0005	4.040E-05	0.0544	4.185E-06	0.0056	8.816E-06	0.0119	1.907E-06	0.0026
Total	5.804E-04	0.7808	7.126E-07	0.0010	1.080E-04	0.1453	1.860E-05	0.0250	2.090E-05	0.0281	1.466E-05	0.0197

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.076E-04	0.1447
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	6.357E-04	0.8553
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.432E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.316E-07	0.0004	3.713E-07	0.0005	0.000E+00	0.0000	6.761E-05	0.0910	1.441E-05	0.0194	1.208E-05	0.0163	1.275E-05	0.0172
Ra-226	5.800E-04	0.7804	3.413E-07	0.0005	0.000E+00	0.0000	4.040E-05	0.0544	4.185E-06	0.0056	8.816E-06	0.0119	1.907E-06	0.0026
Total	5.804E-04	0.7808	7.126E-07	0.0010	0.000E+00	0.0000	1.080E-04	0.1453	1.860E-05	0.0250	2.090E-05	0.0281	1.466E-05	0.0197

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.076E-04	0.1447
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	6.357E-04	0.8553
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.432E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	3.901E-01	6.373E+02	1.361E+02	1.137E+02	1.197E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.007E+03
Ra-226	3.860E-01	2.513E+03	2.611E+02	5.488E+02	1.184E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.441E+03

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

0

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

0

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

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

0

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

0

0

Radio-	Water Independent Pathways (Inhalation excludes radon)											
	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.234E-07	0.0005	3.599E-07	0.0005	6.583E-05	0.0918	1.405E-05	0.0196	1.174E-05	0.0164	1.236E-05	0.0172
Ra-226	5.588E-04	0.7794	3.273E-07	0.0005	3.881E-05	0.0541	4.032E-06	0.0056	8.475E-06	0.0118	1.828E-06	0.0026
Total	5.591E-04	0.7799	6.873E-07	0.0010	1.046E-04	0.1459	1.809E-05	0.0252	2.022E-05	0.0282	1.419E-05	0.0198

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.047E-04	0.1460
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	6.123E-04	0.8540
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.169E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.135E-07	0.0004	3.490E-07	0.0005	0.000E+00	0.0000	6.362E-05	0.0887	1.358E-05	0.0189	1.136E-05	0.0158	1.198E-05	0.0167
Ra-226	5.588E-04	0.7794	3.383E-07	0.0005	0.000E+00	0.0000	4.102E-05	0.0572	4.510E-06	0.0063	8.856E-06	0.0124	2.205E-06	0.0031
Total	5.591E-04	0.7799	6.873E-07	0.0010	0.000E+00	0.0000	1.046E-04	0.1459	1.809E-05	0.0252	2.022E-05	0.0282	1.419E-05	0.0198

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.012E-04	0.1412
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	6.157E-04	0.8588
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.169E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	3.661E-01	5.981E+02	1.277E+02	1.067E+02	1.123E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.448E+02
Ra-226	3.550E-01	2.311E+03	2.402E+02	5.047E+02	1.089E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.165E+03

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

0

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
Radon and its Decay Products as pCi/yr at t= 3.000E+00 years

0

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

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

0

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

0

0

Radio-	Ground		Water Independent Pathways (Inhalation excludes radon) Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.072E-07	0.0005	3.378E-07	0.0005	6.178E-05	0.0928	1.319E-05	0.0198	1.102E-05	0.0165	1.160E-05	0.0174
Ra-226	5.186E-04	0.7787	3.010E-07	0.0005	3.569E-05	0.0536	3.709E-06	0.0056	7.794E-06	0.0117	1.682E-06	0.0025
Total	5.189E-04	0.7791	6.389E-07	0.0010	9.747E-05	0.1464	1.690E-05	0.0254	1.881E-05	0.0282	1.328E-05	0.0199

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.824E-05	0.1475
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	5.677E-04	0.8525
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	6.660E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.803E-07	0.0004	3.082E-07	0.0005	0.000E+00	0.0000	5.618E-05	0.0844	1.199E-05	0.0180	1.003E-05	0.0151	1.058E-05	0.0159
Ra-226	5.186E-04	0.7787	3.307E-07	0.0005	0.000E+00	0.0000	4.129E-05	0.0620	4.909E-06	0.0074	8.781E-06	0.0132	2.699E-06	0.0041
Total	5.189E-04	0.7791	6.389E-07	0.0010	0.000E+00	0.0000	9.747E-05	0.1464	1.690E-05	0.0254	1.881E-05	0.0282	1.328E-05	0.0199

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.938E-05	0.1342
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	5.766E-04	0.8658
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	6.660E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	2.903E-01	4.741E+02	1.012E+02	8.457E+01	8.905E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.489E+02
Ra-226	2.644E-01	1.721E+03	1.789E+02	3.759E+02	8.110E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.357E+03

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

0

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

0

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

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

0

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

0

0

Radio-	Water Independent Pathways (Inhalation excludes radon)											
	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	2.545E-07	0.0005	2.678E-07	0.0005	4.897E-05	0.0954	1.045E-05	0.0204	8.735E-06	0.0170	9.197E-06	0.0179
Ra-226	3.989E-04	0.7770	2.242E-07	0.0004	2.658E-05	0.0518	2.762E-06	0.0054	5.805E-06	0.0113	1.252E-06	0.0024
Total	3.991E-04	0.7775	4.920E-07	0.0010	7.555E-05	0.1472	1.322E-05	0.0257	1.454E-05	0.0283	1.045E-05	0.0204

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	7.788E-05	0.1517
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.355E-04	0.8483
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.134E-04	1.0000

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

0

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

0

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

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

0

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 1.000E+01 years
Water Independent Pathways (Inhalation excludes radon)

0
0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.893E-07	0.0004	1.992E-07	0.0004	0.000E+00	0.0000	3.631E-05	0.0707	7.749E-06	0.0151	6.484E-06	0.0126	6.840E-06	0.0133
Ra-226	3.989E-04	0.7771	2.929E-07	0.0006	0.000E+00	0.0000	3.924E-05	0.0764	5.468E-06	0.0107	8.056E-06	0.0157	3.609E-06	0.0070
Total	3.991E-04	0.7775	4.920E-07	0.0010	0.000E+00	0.0000	7.555E-05	0.1472	1.322E-05	0.0257	1.454E-05	0.0283	1.045E-05	0.0204

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	5.777E-05	0.1125
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	4.556E-04	0.8875
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	5.134E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	1.396E-01	2.279E+02	4.865E+01	4.065E+01	4.281E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.600E+02
Ra-226	1.123E-01	7.310E+02	7.596E+01	1.596E+02	3.444E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.001E+03

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

0

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

0

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

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

0

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

0

0

Radio-	Ground		Water Independent Pathways (Inhalation excludes radon) Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.402E-07	0.0006	1.288E-07	0.0005	2.354E-05	0.0983	5.025E-06	0.0210	4.199E-06	0.0175	4.422E-06	0.0185
Ra-226	1.865E-04	0.7787	9.521E-08	0.0004	1.129E-05	0.0471	1.173E-06	0.0049	2.465E-06	0.0103	5.318E-07	0.0022
Total	1.866E-04	0.7793	2.240E-07	0.0009	3.482E-05	0.1454	6.198E-06	0.0259	6.664E-06	0.0278	4.954E-06	0.0207

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.745E-05	0.1564
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	2.021E-04	0.8436
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	2.395E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	6.139E-08	0.0003	5.639E-08	0.0002	0.000E+00	0.0000	1.028E-05	0.0429	2.194E-06	0.0092	1.836E-06	0.0077	1.937E-06	0.0081
Ra-226	1.866E-04	0.7790	1.676E-07	0.0007	0.000E+00	0.0000	2.454E-05	0.1025	4.004E-06	0.0167	4.828E-06	0.0202	3.017E-06	0.0126
Total	1.866E-04	0.7793	2.240E-07	0.0009	0.000E+00	0.0000	3.482E-05	0.1454	6.198E-06	0.0259	6.664E-06	0.0278	4.954E-06	0.0207

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.637E-05	0.0683
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	2.231E-04	0.9317
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	2.395E-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= 3.500E+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	1.147E-01	1.873E+02	3.999E+01	3.342E+01	3.520E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.959E+02
Ra-226	9.026E-02	5.877E+02	6.108E+01	1.283E+02	2.769E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.048E+02

* 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= 3.500E+01 years

0

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

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

0

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 3.500E+01 years

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.195E-07	0.0006	1.059E-07	0.0005	1.935E-05	0.0982	4.131E-06	0.0210	3.452E-06	0.0175	3.635E-06	0.0184
Ra-226	1.538E-04	0.7803	7.655E-08	0.0004	9.075E-06	0.0461	9.432E-07	0.0048	1.982E-06	0.0101	4.276E-07	0.0022
Total	1.539E-04	0.7809	1.824E-07	0.0009	2.842E-05	0.1442	5.074E-06	0.0257	5.434E-06	0.0276	4.063E-06	0.0206

Excess Cancer Risks CNRS(i,p,t) for Individual Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 3.500E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.079E-05	0.1562
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	1.663E-04	0.8438
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	1.971E-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= 3.500E+01 years

0

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

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

0

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 3.500E+01 years

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	4.627E-08	0.0002	4.097E-08	0.0002	0.000E+00	0.0000	7.469E-06	0.0379	1.594E-06	0.0081	1.334E-06	0.0068	1.407E-06	0.0071
Ra-226	1.539E-04	0.7807	1.414E-07	0.0007	0.000E+00	0.0000	2.095E-05	0.1063	3.480E-06	0.0177	4.100E-06	0.0208	2.656E-06	0.0135
Total	1.539E-04	0.7809	1.824E-07	0.0009	0.000E+00	0.0000	2.842E-05	0.1442	5.074E-06	0.0257	5.434E-06	0.0276	4.063E-06	0.0206

Total Excess Cancer Risk CNRS(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
and Fraction of Total Risk at t= 3.500E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.189E-05	0.0603
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	1.852E-04	0.9397
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	1.971E-04	1.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	5.857E-03	9.564E+00	2.043E+00	1.706E+00	1.797E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.511E+01
Ra-226	4.003E-03	2.607E+01	2.712E+00	5.695E+00	1.228E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.571E+01

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

0

Amount of Intake Quantities QINT9(irn,i,t) and QINT9W(irn,i,t) for Inhalation of
Radon and its Decay Products as pCi/yr at t= 1.000E+02 years

0

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

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

0

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

0

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.162E-08	0.0009	5.404E-09	0.0004	9.879E-07	0.0804	2.110E-07	0.0172	1.762E-07	0.0143	1.856E-07	0.0151
Ra-226	1.015E-05	0.8264	3.395E-09	0.0003	4.026E-07	0.0328	4.188E-08	0.0034	8.795E-08	0.0072	1.896E-08	0.0015
Total	1.017E-05	0.8274	8.799E-09	0.0007	1.390E-06	0.1132	2.529E-07	0.0206	2.642E-07	0.0215	2.046E-07	0.0166

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.578E-06	0.1284
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	1.071E-05	0.8716
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	1.229E-05	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.047E-09	0.0001	4.867E-10	0.0000	0.000E+00	0.0000	8.876E-08	0.0072	1.895E-08	0.0015	1.585E-08	0.0013	1.671E-08	0.0014
Ra-226	1.016E-05	0.8273	8.312E-09	0.0007	0.000E+00	0.0000	1.302E-06	0.1059	2.339E-07	0.0190	2.483E-07	0.0202	1.879E-07	0.0153
Total	1.017E-05	0.8274	8.799E-09	0.0007	0.000E+00	0.0000	1.390E-06	0.1132	2.529E-07	0.0206	2.642E-07	0.0215	2.046E-07	0.0166

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.418E-07	0.0115
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	1.214E-05	0.9885
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	1.229E-05	1.0000

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

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

Radio-Nuclide	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total Ingestion*
	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

0

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

0

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

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

0

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

0

Water Independent Pathways (Inhalation excludes radon)

0

Radio-Nuclide	Ground		Inhalation		Plant		Meat		Milk		Soil	
	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

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

Radio-	Water Independent Pathways (Inhalation w/o radon)					Water Dependent Pathways					Total
Nuclide	Inhalation	Plant	Meat	Milk	Soil	Water	Fish	Plant	Meat	Milk	Ingestion*
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.191E+02	1.176E+03	2.822E+01	6.287E+00	8.174E+00	1.638E+03
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.898E+02	2.759E+02	4.001E+01	1.104E+01	3.832E+01	9.550E+02

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

0

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

0

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

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

0

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

0

0

Radio-	Ground		Inhalation		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	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
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Plant		Meat		Milk		All Pathways**	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	3.345E-05	0.1947	1.214E-04	0.7070	2.915E-06	0.0170	6.494E-07	0.0038	8.443E-07	0.0049	1.593E-04	0.9274
Ra-226	6.821E-06	0.0397	4.260E-06	0.0248	6.178E-07	0.0036	1.705E-07	0.0010	5.917E-07	0.0034	1.246E-05	0.0726
Total	4.027E-05	0.2344	1.257E-04	0.7318	3.533E-06	0.0206	8.198E-07	0.0048	1.436E-06	0.0084	1.718E-04	1.0000

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

0

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

0

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

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

0

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

0 Water Independent Pathways (Inhalation excludes radon)

0

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Ra-226	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

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

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All pathways	
Nuclide	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.	risk	fract.
Pb-210	1.099E-18	0.0000	3.993E-18	0.0000	0.000E+00	0.0000	9.576E-20	0.0000	2.126E-20	0.0000	2.771E-20	0.0000	5.237E-18	0.0000
Ra-226	4.027E-05	0.2344	1.257E-04	0.7318	0.000E+00	0.0000	3.533E-06	0.0206	8.198E-07	0.0048	1.436E-06	0.0084	1.718E-04	1.0000
Total	4.027E-05	0.2344	1.257E-04	0.7318	0.000E+00	0.0000	3.533E-06	0.0206	8.198E-07	0.0048	1.436E-06	0.0084	1.718E-04	1.0000

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

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Part IV: Concentration of Radionuclides

Concentration of radionuclides in different media
Time= 0.000E+00 2
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Time= 3.500E+01 7
Time= 1.000E+02 8
Time= 3.000E+02 9
Time= 1.000E+03 10

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	4.510E+00	4.510E+00	1.065E-04	0.000E+00	0.000E+00
Ra-226	4.510E+00	4.510E+00	1.065E-04	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	7.522E+00	7.545E+00	7.547E+00	7.547E+00	2.215E+00	8.010E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	3.007E+01	3.009E+01	3.010E+01	3.010E+01	4.302E+00	3.910E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	4.401E+00	4.372E+00	1.032E-04	0.000E+00	0.000E+00
Ra-226	4.354E+00	4.325E+00	1.021E-04	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	7.326E+00	7.316E+00	7.440E+00	7.427E+00	2.160E+00	7.786E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.889E+01	2.887E+01	2.908E+01	2.902E+01	4.145E+00	3.759E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	4.187E+00	4.103E+00	9.686E-05	0.000E+00	0.000E+00
Ra-226	4.059E+00	3.978E+00	9.390E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	6.876E+00	6.866E+00	6.981E+00	6.970E+00	2.027E+00	7.307E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.657E+01	2.655E+01	2.674E+01	2.668E+01	3.812E+00	3.457E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	3.485E+00	3.253E+00	7.679E-05	0.000E+00	0.000E+00
Ra-226	3.174E+00	2.963E+00	6.994E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	5.450E+00	5.443E+00	5.532E+00	5.522E+00	1.607E+00	5.792E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	1.979E+01	1.977E+01	1.992E+01	1.988E+01	2.839E+00	2.575E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.955E+00	1.564E+00	3.692E-05	0.000E+00	0.000E+00
Ra-226	1.573E+00	1.258E+00	2.970E-05	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	2.619E+00	2.617E+00	2.657E+00	2.652E+00	7.722E-01	2.784E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	8.402E+00	8.396E+00	8.460E+00	8.441E+00	1.206E+00	1.093E+00	0.000E+00	0.000E+00

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

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

Concentration of radionuclides in environmental media
at t = 3.500E+01 years

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.677E+00	1.286E+00	3.035E-05	0.000E+00	0.000E+00
Ra-226	1.319E+00	1.011E+00	2.388E-05	0.000E+00	0.000E+00

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

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

Concentration of radionuclides in foodstuff media
at t = 3.500E+01 years*

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	2.153E+00	2.151E+00	2.184E+00	2.180E+00	6.348E-01	2.289E-01	0.000E+00	0.000E+00
Ra-226	0.000E+00	6.756E+00	6.750E+00	6.802E+00	6.787E+00	9.695E-01	8.791E-01	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.969E-01	6.564E-02	1.550E-06	0.000E+00	0.000E+00
Ra-226	1.346E-01	4.485E-02	1.059E-06	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	1.099E-01	1.098E-01	1.116E-01	1.113E-01	3.243E-02	1.169E-02	0.000E+00	0.000E+00
Ra-226	0.000E+00	2.997E-01	2.994E-01	3.023E-01	3.014E-01	4.305E-02	3.901E-02	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	1.836E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	1.198E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
Ra-226	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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

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

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

Radio-Nuclide	Contaminated Zone pCi/g	Surface Soil* pCi/g	Air Particulate pCi/m**3	Well Water pCi/L	Surface Water pCi/L
Pb-210	3.868E-15	0.000E+00	0.000E+00	7.177E-01	1.452E+00
Ra-226	2.522E-15	0.000E+00	0.000E+00	1.010E+00	2.043E+00

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

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

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

Radio-Nuclide	Drinking Water pCi/L	Nonleafy Vegetable pCi/kg	Leafy Vegetable pCi/kg	Fodder Meat pCi/kg	Fodder Milk pCi/kg	Meat pCi/kg	Milk pCi/L	Fish pCi/kg	Crustacea pCi/kg
Pb-210	7.177E-01	2.487E-01	1.189E+00	1.304E+00	1.304E+00	9.979E-02	5.599E-02	4.354E+02	1.454E+02
Ra-226	1.010E+00	3.532E-01	1.679E+00	1.834E+00	1.834E+00	1.752E-01	2.625E-01	1.022E+02	5.109E+02

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

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

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Part V: Dose from Radionuclide at Point of Action

Total Dose Components Summed to Daughter
Time = 0.000E+00 years 2
Time = 1.000E+00 years 3
Time = 3.000E+00 years 4
Time = 1.000E+01 years 5
Time = 3.000E+01 years 6
Time = 3.500E+01 years 7
Time = 1.000E+02 years 8
Time = 3.000E+02 years 9
Time = 1.000E+03 years 10

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

0

0Radio-	Water Independent Pathways							Water Dependent Pathways						
Nuc-	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
lide	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	1.59E-02	9.19E-03	0.00E+00	4.71E+00	1.00E+00	8.40E-01	8.85E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E+00
Ra-226	2.50E+01	3.39E-03	0.00E+00	3.39E+00	3.52E-01	7.40E-01	1.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E+01
Total	2.50E+01	1.26E-02	0.00E+00	8.10E+00	1.36E+00	1.58E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E+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

0Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	1.55E-02	8.91E-03	0.00E+00	4.56E+00	9.75E-01	8.14E-01	8.57E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E+00
Ra-226	2.41E+01	3.25E-03	0.00E+00	3.25E+00	3.38E-01	7.10E-01	1.53E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E+01
Total	2.41E+01	1.22E-02	0.00E+00	7.82E+00	1.31E+00	1.52E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	Ground	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	1.47E-02	8.36E-03	0.00E+00	4.28E+00	9.14E-01	7.64E-01	8.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E+00
Ra-226	2.24E+01	2.99E-03	0.00E+00	2.99E+00	3.11E-01	6.53E-01	1.41E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E+01
Total	2.24E+01	1.13E-02	0.00E+00	7.27E+00	1.23E+00	1.42E+00	9.45E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E+01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	Ground	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	1.22E-02	6.62E-03	0.00E+00	3.39E+00	7.24E-01	6.05E-01	6.37E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E+00
Ra-226	1.72E+01	2.22E-03	0.00E+00	2.23E+00	2.31E-01	4.86E-01	1.05E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+01
Total	1.72E+01	8.84E-03	0.00E+00	5.62E+00	9.55E-01	1.09E+00	7.42E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E+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

0Radio- Nuc- lide	Water Independent Pathways							Water Dependent Pathways						
	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	6.71E-03	3.18E-03	0.00E+00	1.63E+00	3.47E-01	2.90E-01	3.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E+00
Ra-226	8.04E+00	9.44E-04	0.00E+00	9.45E-01	9.82E-02	2.06E-01	4.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E+00
Total	8.05E+00	4.12E-03	0.00E+00	2.57E+00	4.45E-01	4.96E-01	3.50E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E+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 = 3.500E+01 years

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	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	5.72E-03	2.61E-03	0.00E+00	1.34E+00	2.85E-01	2.38E-01	2.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E+00
Ra-226	6.63E+00	7.59E-04	0.00E+00	7.60E-01	7.89E-02	1.66E-01	3.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E+00
Total	6.64E+00	3.37E-03	0.00E+00	2.10E+00	3.64E-01	4.04E-01	2.87E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E+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+02 years

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	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	5.65E-04	1.32E-04	0.00E+00	6.77E-02	1.45E-02	1.21E-02	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-01
Ra-226	4.36E-01	3.35E-05	0.00E+00	3.35E-02	3.49E-03	7.32E-03	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-01
Total	4.37E-01	1.66E-04	0.00E+00	1.01E-01	1.80E-02	1.94E-02	1.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-01

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio- Nuc- lide	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ra-226	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

0*Sum of all water independent and dependent pathways.

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

0	Water Independent Pathways							Water Dependent Pathways						
0Radio-Nuclide	Ground	Dust	Radon	Plant	Meat	Milk	Soil	Water	Fish	Radon	Plant	Meat	Milk	ALL*
	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr	mrem/yr
Pb-210	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E+00	8.55E+00	0.00E+00	2.05E-01	4.57E-02	5.95E-02	1.19E+01
Ra-226	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-01	3.64E-01	0.00E+00	5.28E-02	1.46E-02	5.06E-02	1.26E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E+00	8.92E+00	0.00E+00	2.58E-01	6.03E-02	1.10E-01	1.32E+01

0*Sum of all water independent and dependent pathways.

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Probabilistic Input
0Number of Sample Runs: 300

Number	Name	Distribution	Parameters								
1	DROOT	UNIFORM	.3	4							
2	H(1)	BOUNDED LOGNORMAL-N	.693	.25	1	4					
3	RUNOFF	UNIFORM	.1	.8							
4	WIND	TRUNCATED LOGNORMAL-N	1.15	.1	.05	.95					
5	DWIBWT	TRIANGULAR	6	10	30						
6	SHF1	BOUNDED LOGNORMAL-N	-1.3	.59	.044	1					
7	INHALR	TRIANGULAR	4380	8400	13100						
8	SOIL	TRIANGULAR	0	18.3	36.5						
9	H(2)	BOUNDED LOGNORMAL-N	1.386	.6	2	17					
10	THICK0	TRIANGULAR	0	.075	.3						
11	FR9	TRIANGULAR	0	.39	1						
12	DM	TRIANGULAR	0	.15	.6						
13	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119
	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1			
14	FIND	CONTINUOUS LINEAR	8	0	0	.05	.375	.25	.521	.5	.625
	.75	.809	.9	.938	.95	.992	1	1			

0

Probabilistic Total Dose Summary

0Nuclide (j)	Peak Time	Peak Dose	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	3.50E+01	1.00E+02	3.00E+02	1.00E+03
			DOSE(j,t), mrem/yr								
Pb-210											
Min	0.00E+00	3.76E-02	3.76E-02	1.41E-02	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	2.17E+01	2.17E+01	2.07E+01	1.88E+01	1.34E+01	5.04E+00	4.01E+00	2.15E-01	0.00E+00	8.58E-13
Avg	0.00E+00	3.64E+00	3.64E+00	3.43E+00	3.04E+00	2.02E+00	6.49E-01	4.92E-01	1.44E-02	0.00E+00	4.84E-14
Std	0.00E+00	3.13E+00	3.13E+00	2.99E+00	2.73E+00	1.97E+00	7.77E-01	6.15E-01	2.77E-02	0.00E+00	1.33E-13
Ra-226											
Min	0.00E+00	9.03E-01	8.34E-01	2.46E-01	1.48E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.65E+02	5.70E+01	5.70E+01	5.67E+01	5.61E+01	5.34E+01	4.35E+01	4.09E+01	1.54E+01	0.00E+00	2.87E+01
Avg	3.51E+01	1.56E+01	1.53E+01	1.48E+01	1.39E+01	1.12E+01	6.47E+00	5.67E+00	1.12E+00	0.00E+00	3.53E+00
Std	1.66E+02	6.89E+00	6.74E+00	6.79E+00	6.85E+00	6.83E+00	5.78E+00	5.44E+00	1.96E+00	0.00E+00	5.29E+00
ΣALL											
Min	0.00E+00	9.03E-01	8.72E-01	2.60E-01	1.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.65E+02	7.57E+01	7.57E+01	7.47E+01	7.26E+01	6.55E+01	4.85E+01	4.49E+01	1.56E+01	0.00E+00	2.87E+01
Avg	2.37E+01	1.90E+01	1.89E+01	1.82E+01	1.69E+01	1.33E+01	7.12E+00	6.17E+00	1.13E+00	0.00E+00	3.53E+00
Std	1.36E+02	9.19E+00	9.17E+00	9.14E+00	9.04E+00	8.49E+00	6.47E+00	5.98E+00	1.98E+00	0.00E+00	5.29E+00

ΣALL is total dose summed for all nuclides.

0 Probabilistic Risk Summary

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	3.50E+01	1.00E+02	3.00E+02	1.00E+03
	RISK(j,t)								
Pb-210									
Min	8.19E-07	3.23E-07	3.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.16E-04	3.01E-04	2.73E-04	1.95E-04	7.34E-05	5.83E-05	3.13E-06	0.00E+00	1.15E-17
Avg	5.33E-05	5.02E-05	4.46E-05	2.95E-05	9.49E-06	7.19E-06	2.11E-07	0.00E+00	6.53E-19
Std	4.55E-05	4.35E-05	3.97E-05	2.87E-05	1.13E-05	8.94E-06	4.04E-07	0.00E+00	1.81E-18
Ra-226									
Min	3.20E-05	9.67E-06	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.15E-03	1.14E-03	1.12E-03	1.06E-03	8.44E-04	7.92E-04	3.00E-04	0.00E+00	3.77E-04
Avg	3.26E-04	3.15E-04	2.94E-04	2.34E-04	1.32E-04	1.15E-04	2.25E-05	0.00E+00	4.59E-05
Std	1.37E-04	1.38E-04	1.38E-04	1.36E-04	1.13E-04	1.06E-04	3.90E-05	0.00E+00	6.95E-05
ΣALL									
Min	3.28E-05	1.00E-05	7.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.42E-03	1.40E-03	1.36E-03	1.23E-03	9.17E-04	8.50E-04	3.03E-04	0.00E+00	3.77E-04
Avg	3.80E-04	3.65E-04	3.38E-04	2.64E-04	1.41E-04	1.22E-04	2.27E-05	0.00E+00	4.59E-05
Std	1.67E-04	1.67E-04	1.66E-04	1.57E-04	1.22E-04	1.14E-04	3.94E-05	0.00E+00	6.95E-05

ΣALL 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	3.50E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	1.38E-03	5.61E-04	6.59E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.46E-02	2.36E-02	2.18E-02	1.64E-02	7.33E-03	5.99E-03	4.30E-04	0.00E+00	0.00E+00
Avg	8.64E-03	8.13E-03	7.21E-03	4.80E-03	1.60E-03	1.23E-03	4.45E-05	0.00E+00	0.00E+00
Std	3.14E-03	3.02E-03	2.81E-03	2.18E-03	1.04E-03	8.56E-04	6.31E-05	0.00E+00	0.00E+00
Ra-226									
Min	8.13E-01	2.40E-01	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.31E+01	4.25E+01	4.13E+01	3.75E+01	2.82E+01	2.62E+01	9.83E+00	0.00E+00	0.00E+00
Avg	1.28E+01	1.23E+01	1.14E+01	8.81E+00	4.69E+00	4.06E+00	7.81E-01	0.00E+00	0.00E+00
Std	5.47E+00	5.45E+00	5.38E+00	5.06E+00	3.95E+00	3.68E+00	1.36E+00	0.00E+00	0.00E+00
ΣALL									
Min	8.14E-01	2.40E-01	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.32E+01	4.26E+01	4.14E+01	3.75E+01	2.82E+01	2.62E+01	9.83E+00	0.00E+00	0.00E+00
Avg	1.28E+01	1.23E+01	1.14E+01	8.82E+00	4.69E+00	4.06E+00	7.81E-01	0.00E+00	0.00E+00
Std	5.48E+00	5.45E+00	5.38E+00	5.06E+00	3.95E+00	3.68E+00	1.36E+00	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

0Nuclide (j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	3.50E+01	1.00E+02	3.00E+02	1.00E+03
	DOSE(i,j,t), mrem/yr								
Pb-210									
Min	1.10E-05	4.08E-06	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.91E-03	4.71E-03	4.34E-03	3.25E-03	1.42E-03	1.15E-03	6.07E-05	0.00E+00	0.00E+00
Avg	1.08E-03	1.02E-03	9.01E-04	5.96E-04	1.92E-04	1.46E-04	4.41E-06	0.00E+00	0.00E+00
Std	8.96E-04	8.52E-04	7.71E-04	5.47E-04	2.13E-04	1.69E-04	8.42E-06	0.00E+00	0.00E+00
Ra-226									
Min	3.79E-06	1.18E-06	8.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.92E-03	2.04E-03	2.26E-03	2.80E-03	3.23E-03	3.19E-03	1.25E-03	0.00E+00	0.00E+00
Avg	4.21E-04	4.37E-04	4.61E-04	4.97E-04	4.12E-04	3.78E-04	8.63E-05	0.00E+00	0.00E+00
Std	3.50E-04	3.68E-04	3.98E-04	4.65E-04	4.75E-04	4.59E-04	1.76E-04	0.00E+00	0.00E+00
ΣALL									
Min	1.48E-05	5.26E-06	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.83E-03	6.75E-03	6.60E-03	6.05E-03	4.65E-03	4.34E-03	1.31E-03	0.00E+00	0.00E+00
Avg	1.50E-03	1.45E-03	1.36E-03	1.09E-03	6.04E-04	5.24E-04	9.07E-05	0.00E+00	0.00E+00
Std	1.25E-03	1.22E-03	1.17E-03	1.01E-03	6.88E-04	6.28E-04	1.84E-04	0.00E+00	0.00E+00

ΣALL 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	3.50E+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
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL 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	3.50E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	2.28E-02	8.50E-03	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.87E+01	1.78E+01	1.62E+01	1.15E+01	4.30E+00	3.36E+00	1.58E-01	0.00E+00	0.00E+00
Avg	2.44E+00	2.30E+00	2.04E+00	1.35E+00	4.34E-01	3.29E-01	9.47E-03	0.00E+00	0.00E+00
Std	2.72E+00	2.59E+00	2.35E+00	1.67E+00	6.36E-01	4.99E-01	2.09E-02	0.00E+00	0.00E+00
Ra-226									
Min	1.52E-02	4.59E-03	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.41E+01	1.43E+01	1.47E+01	1.51E+01	1.27E+01	1.18E+01	4.22E+00	0.00E+00	0.00E+00
Avg	1.83E+00	1.84E+00	1.83E+00	1.75E+00	1.26E+00	1.14E+00	2.30E-01	0.00E+00	0.00E+00
Std	2.05E+00	2.08E+00	2.14E+00	2.21E+00	1.93E+00	1.80E+00	5.31E-01	0.00E+00	0.00E+00
ΣALL									
Min	3.80E-02	1.31E-02	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.28E+01	3.22E+01	3.09E+01	2.66E+01	1.70E+01	1.52E+01	4.38E+00	0.00E+00	0.00E+00
Avg	4.27E+00	4.13E+00	3.87E+00	3.10E+00	1.69E+00	1.46E+00	2.39E-01	0.00E+00	0.00E+00
Std	4.76E+00	4.67E+00	4.48E+00	3.89E+00	2.56E+00	2.30E+00	5.52E-01	0.00E+00	0.00E+00

ΣALL 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	3.50E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	6.49E-03	2.44E-03	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.55E+00	1.48E+00	1.35E+00	9.69E-01	4.00E-01	3.24E-01	2.09E-02	0.00E+00	0.00E+00
Avg	5.44E-01	5.12E-01	4.54E-01	3.01E-01	9.71E-02	7.38E-02	2.24E-03	0.00E+00	0.00E+00
Std	3.01E-01	2.89E-01	2.67E-01	2.01E-01	8.64E-02	6.96E-02	3.72E-03	0.00E+00	0.00E+00
Ra-226									
Min	2.07E-03	6.72E-04	4.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.02E-01	9.30E-01	9.73E-01	1.06E+00	1.04E+00	1.01E+00	4.67E-01	0.00E+00	0.00E+00
Avg	2.01E-01	2.10E-01	2.23E-01	2.44E-01	2.05E-01	1.88E-01	4.29E-02	0.00E+00	0.00E+00
Std	1.34E-01	1.41E-01	1.52E-01	1.82E-01	1.98E-01	1.93E-01	7.66E-02	0.00E+00	0.00E+00
ΣALL									
Min	8.56E-03	3.12E-03	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.45E+00	2.41E+00	2.32E+00	2.03E+00	1.44E+00	1.34E+00	4.88E-01	0.00E+00	0.00E+00
Avg	7.45E-01	7.22E-01	6.78E-01	5.45E-01	3.02E-01	2.62E-01	4.52E-02	0.00E+00	0.00E+00
Std	4.25E-01	4.21E-01	4.13E-01	3.80E-01	2.84E-01	2.62E-01	8.03E-02	0.00E+00	0.00E+00

ΣALL 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	3.50E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	5.26E-03	1.96E-03	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.22E+00	1.17E+00	1.06E+00	7.66E-01	3.21E-01	2.61E-01	1.71E-02	0.00E+00	0.00E+00
Avg	4.56E-01	4.29E-01	3.81E-01	2.52E-01	8.15E-02	6.19E-02	1.88E-03	0.00E+00	0.00E+00
Std	2.51E-01	2.41E-01	2.23E-01	1.68E-01	7.21E-02	5.82E-02	3.13E-03	0.00E+00	0.00E+00
Ra-226									
Min	4.06E-03	1.22E-03	7.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.73E+00	1.73E+00	1.72E+00	1.64E+00	1.36E+00	1.30E+00	5.43E-01	0.00E+00	0.00E+00
Avg	4.11E-01	4.09E-01	4.03E-01	3.72E-01	2.60E-01	2.34E-01	4.88E-02	0.00E+00	0.00E+00
Std	2.63E-01	2.66E-01	2.71E-01	2.80E-01	2.56E-01	2.43E-01	8.76E-02	0.00E+00	0.00E+00
ΣALL									
Min	9.32E-03	3.18E-03	2.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.95E+00	2.89E+00	2.78E+00	2.41E+00	1.69E+00	1.56E+00	5.60E-01	0.00E+00	0.00E+00
Avg	8.67E-01	8.38E-01	7.84E-01	6.24E-01	3.41E-01	2.96E-01	5.07E-02	0.00E+00	0.00E+00
Std	5.01E-01	4.96E-01	4.84E-01	4.42E-01	3.26E-01	3.01E-01	9.07E-02	0.00E+00	0.00E+00

ΣALL 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	3.50E+01	1.00E+02	3.00E+02	1.00E+03
Pb-210									
Min	1.72E-03	6.34E-04	5.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.06E+00	1.02E+00	9.39E-01	7.09E-01	3.18E-01	2.60E-01	1.91E-02	0.00E+00	0.00E+00
Avg	1.94E-01	1.82E-01	1.62E-01	1.07E-01	3.45E-02	2.62E-02	7.89E-04	0.00E+00	0.00E+00
Std	1.91E-01	1.82E-01	1.64E-01	1.15E-01	4.41E-02	3.50E-02	1.82E-03	0.00E+00	0.00E+00
Ra-226									
Min	3.00E-04	1.02E-04	8.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.11E-01	2.41E-01	2.94E-01	4.38E-01	5.96E-01	6.01E-01	3.56E-01	0.00E+00	0.00E+00
Avg	3.85E-02	4.27E-02	4.98E-02	6.37E-02	6.05E-02	5.63E-02	1.35E-02	0.00E+00	0.00E+00
Std	3.81E-02	4.27E-02	5.09E-02	6.99E-02	8.04E-02	7.85E-02	3.32E-02	0.00E+00	0.00E+00
ΣALL									
Min	2.02E-03	7.36E-04	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.27E+00	1.26E+00	1.23E+00	1.15E+00	9.14E-01	8.61E-01	3.75E-01	0.00E+00	0.00E+00
Avg	2.32E-01	2.25E-01	2.11E-01	1.71E-01	9.49E-02	8.24E-02	1.43E-02	0.00E+00	0.00E+00
Std	2.29E-01	2.24E-01	2.15E-01	1.85E-01	1.25E-01	1.13E-01	3.50E-02	0.00E+00	0.00E+00

ΣALL 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	3.50E+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	2.67E-13
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-14
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-14
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	7.86E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+00
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+00

ΣALL 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	3.50E+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	6.10E-13
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-14
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-14
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	2.20E+01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E+00
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E+01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E+00

ΣALL 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	3.50E+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
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ΣALL 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	3.50E+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	1.80E-14
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-16
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-15
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	5.30E-01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-02
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-02

ΣALL 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	3.50E+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	3.99E-15
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-16
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-16
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	1.24E-01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-02
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-02

ΣALL 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	3.50E+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	5.20E-15
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-16
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-16
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	2.26E-01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-02
ΣALL									
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-01
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-02
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-02

ΣALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	3.50E+01	1.00E+02	3.00E+02	1.00E+03
0.025	5.28E+00	4.72E+00	3.45E+00	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	6.73E+00	5.66E+00	4.36E+00	1.83E+00	4.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.075	8.25E+00	7.21E+00	5.79E+00	2.55E+00	1.47E-01	4.33E-02	0.00E+00	0.00E+00	0.00E+00
0.100	8.79E+00	8.20E+00	7.02E+00	3.36E+00	2.73E-01	1.18E-01	0.00E+00	0.00E+00	0.00E+00
0.125	1.01E+01	9.26E+00	7.83E+00	4.38E+00	6.62E-01	3.83E-01	0.00E+00	0.00E+00	0.00E+00
0.150	1.06E+01	9.90E+00	8.57E+00	4.85E+00	8.45E-01	4.95E-01	0.00E+00	0.00E+00	0.00E+00
0.175	1.11E+01	1.04E+01	9.11E+00	5.37E+00	1.11E+00	6.85E-01	0.00E+00	0.00E+00	0.00E+00
0.200	1.18E+01	1.11E+01	9.75E+00	6.38E+00	1.55E+00	1.03E+00	0.00E+00	0.00E+00	0.00E+00
0.225	1.27E+01	1.20E+01	1.08E+01	7.13E+00	1.80E+00	1.25E+00	0.00E+00	0.00E+00	0.00E+00
0.250	1.34E+01	1.27E+01	1.14E+01	7.68E+00	2.38E+00	1.67E+00	0.00E+00	0.00E+00	0.00E+00
0.275	1.42E+01	1.34E+01	1.18E+01	8.14E+00	2.48E+00	1.86E+00	0.00E+00	0.00E+00	0.00E+00
0.300	1.45E+01	1.39E+01	1.24E+01	8.75E+00	3.02E+00	2.28E+00	0.00E+00	0.00E+00	0.00E+00
0.325	1.50E+01	1.42E+01	1.31E+01	9.34E+00	3.31E+00	2.51E+00	0.00E+00	0.00E+00	0.00E+00
0.350	1.53E+01	1.47E+01	1.36E+01	1.03E+01	3.69E+00	2.78E+00	0.00E+00	0.00E+00	0.00E+00
0.375	1.59E+01	1.53E+01	1.41E+01	1.06E+01	3.92E+00	3.04E+00	0.00E+00	0.00E+00	0.00E+00
0.400	1.63E+01	1.57E+01	1.45E+01	1.08E+01	4.18E+00	3.28E+00	0.00E+00	0.00E+00	0.00E+00
0.425	1.69E+01	1.63E+01	1.51E+01	1.12E+01	4.66E+00	3.73E+00	2.24E-02	0.00E+00	0.00E+00
0.450	1.72E+01	1.66E+01	1.54E+01	1.14E+01	5.01E+00	3.94E+00	6.64E-02	0.00E+00	0.00E+00
0.475	1.75E+01	1.68E+01	1.57E+01	1.17E+01	5.30E+00	4.32E+00	8.90E-02	0.00E+00	0.00E+00
0.500	1.78E+01	1.72E+01	1.59E+01	1.21E+01	5.85E+00	4.75E+00	1.19E-01	0.00E+00	0.00E+00
0.525	1.82E+01	1.75E+01	1.62E+01	1.25E+01	6.17E+00	5.16E+00	1.64E-01	0.00E+00	8.67E-01
0.550	1.85E+01	1.79E+01	1.65E+01	1.30E+01	6.41E+00	5.28E+00	2.46E-01	0.00E+00	1.65E+00
0.575	1.89E+01	1.83E+01	1.70E+01	1.34E+01	6.81E+00	5.62E+00	2.73E-01	0.00E+00	2.25E+00
0.600	1.93E+01	1.86E+01	1.73E+01	1.42E+01	7.30E+00	6.32E+00	3.75E-01	0.00E+00	2.77E+00
0.625	2.01E+01	1.93E+01	1.79E+01	1.45E+01	7.83E+00	6.60E+00	5.59E-01	0.00E+00	3.18E+00
0.650	2.06E+01	1.98E+01	1.85E+01	1.52E+01	8.22E+00	6.98E+00	7.31E-01	0.00E+00	3.62E+00
0.675	2.10E+01	2.03E+01	1.91E+01	1.58E+01	8.39E+00	7.42E+00	8.58E-01	0.00E+00	4.02E+00
0.700	2.16E+01	2.10E+01	1.96E+01	1.63E+01	9.31E+00	7.92E+00	1.02E+00	0.00E+00	4.63E+00
0.725	2.20E+01	2.15E+01	2.04E+01	1.67E+01	9.77E+00	8.52E+00	1.08E+00	0.00E+00	5.08E+00
0.750	2.31E+01	2.23E+01	2.11E+01	1.75E+01	1.04E+01	9.27E+00	1.46E+00	0.00E+00	5.65E+00
0.775	2.37E+01	2.31E+01	2.17E+01	1.82E+01	1.11E+01	9.83E+00	1.73E+00	0.00E+00	6.26E+00
0.800	2.41E+01	2.36E+01	2.24E+01	1.83E+01	1.21E+01	1.07E+01	2.01E+00	0.00E+00	6.67E+00
0.825	2.48E+01	2.41E+01	2.32E+01	1.94E+01	1.27E+01	1.15E+01	2.59E+00	0.00E+00	7.32E+00
0.850	2.59E+01	2.52E+01	2.39E+01	2.02E+01	1.32E+01	1.21E+01	2.91E+00	0.00E+00	8.15E+00
0.875	2.67E+01	2.61E+01	2.48E+01	2.13E+01	1.40E+01	1.25E+01	3.20E+00	0.00E+00	9.21E+00
0.900	2.76E+01	2.72E+01	2.59E+01	2.20E+01	1.48E+01	1.31E+01	3.83E+00	0.00E+00	1.02E+01
0.925	3.22E+01	3.09E+01	2.94E+01	2.51E+01	1.60E+01	1.47E+01	4.45E+00	0.00E+00	1.18E+01
0.950	3.60E+01	3.49E+01	3.34E+01	2.83E+01	1.85E+01	1.73E+01	5.14E+00	0.00E+00	1.56E+01
0.975	4.03E+01	3.98E+01	3.87E+01	3.46E+01	2.41E+01	2.20E+01	7.29E+00	0.00E+00	1.95E+01
1.000	7.57E+01	7.47E+01	7.26E+01	6.55E+01	4.85E+01	4.49E+01	1.56E+01	0.00E+00	2.87E+01

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.76E+00	5.11E+01	1.90E+01	1.79E+01	2.89E+01	3.62E+01	4.43E+01	5.10E+01
1.00E+00	8.34E-01	5.00E+01	1.83E+01	1.73E+01	2.81E+01	3.55E+01	4.32E+01	5.00E+01
1.06E+00	7.98E-01	5.00E+01	1.83E+01	1.73E+01	2.80E+01	3.54E+01	4.32E+01	4.99E+01
1.12E+00	7.61E-01	4.99E+01	1.82E+01	1.73E+01	2.80E+01	3.54E+01	4.31E+01	4.99E+01
1.19E+00	7.24E-01	4.98E+01	1.82E+01	1.73E+01	2.79E+01	3.53E+01	4.30E+01	4.98E+01
1.26E+00	6.87E-01	4.98E+01	1.81E+01	1.72E+01	2.78E+01	3.53E+01	4.30E+01	4.97E+01
1.33E+00	6.49E-01	4.97E+01	1.81E+01	1.72E+01	2.78E+01	3.52E+01	4.29E+01	4.97E+01
1.41E+00	6.12E-01	4.96E+01	1.80E+01	1.72E+01	2.77E+01	3.52E+01	4.28E+01	4.96E+01
1.49E+00	5.75E-01	4.95E+01	1.80E+01	1.71E+01	2.77E+01	3.51E+01	4.27E+01	4.95E+01
1.58E+00	5.37E-01	4.94E+01	1.79E+01	1.71E+01	2.76E+01	3.51E+01	4.26E+01	4.94E+01
1.67E+00	5.00E-01	4.93E+01	1.78E+01	1.71E+01	2.75E+01	3.50E+01	4.25E+01	4.93E+01
1.77E+00	4.64E-01	4.92E+01	1.78E+01	1.70E+01	2.74E+01	3.49E+01	4.24E+01	4.92E+01
1.87E+00	4.28E-01	4.91E+01	1.77E+01	1.70E+01	2.74E+01	3.49E+01	4.23E+01	4.91E+01
1.98E+00	3.93E-01	4.90E+01	1.76E+01	1.69E+01	2.73E+01	3.48E+01	4.22E+01	4.90E+01
2.10E+00	3.59E-01	4.89E+01	1.76E+01	1.69E+01	2.72E+01	3.47E+01	4.21E+01	4.89E+01
2.22E+00	3.26E-01	4.88E+01	1.75E+01	1.69E+01	2.71E+01	3.46E+01	4.20E+01	4.87E+01
2.35E+00	2.94E-01	4.86E+01	1.74E+01	1.68E+01	2.70E+01	3.45E+01	4.18E+01	4.86E+01
2.49E+00	2.64E-01	4.85E+01	1.73E+01	1.67E+01	2.69E+01	3.44E+01	4.17E+01	4.85E+01
2.64E+00	2.35E-01	4.84E+01	1.72E+01	1.66E+01	2.68E+01	3.43E+01	4.15E+01	4.83E+01
2.79E+00	2.08E-01	4.82E+01	1.71E+01	1.65E+01	2.67E+01	3.42E+01	4.14E+01	4.82E+01
2.96E+00	1.82E-01	4.80E+01	1.70E+01	1.64E+01	2.66E+01	3.41E+01	4.12E+01	4.80E+01
3.00E+00	1.76E-01	4.80E+01	1.70E+01	1.64E+01	2.65E+01	3.41E+01	4.12E+01	4.80E+01
3.13E+00	1.58E-01	4.79E+01	1.69E+01	1.63E+01	2.64E+01	3.40E+01	4.10E+01	4.78E+01
3.32E+00	1.36E-01	4.77E+01	1.68E+01	1.61E+01	2.63E+01	3.39E+01	4.08E+01	4.76E+01
3.51E+00	1.16E-01	4.75E+01	1.67E+01	1.61E+01	2.62E+01	3.37E+01	4.06E+01	4.75E+01
3.72E+00	9.72E-02	4.73E+01	1.66E+01	1.60E+01	2.60E+01	3.36E+01	4.04E+01	4.72E+01
3.94E+00	8.07E-02	4.71E+01	1.64E+01	1.59E+01	2.59E+01	3.34E+01	4.02E+01	4.70E+01
4.17E+00	6.60E-02	4.68E+01	1.63E+01	1.58E+01	2.57E+01	3.33E+01	4.00E+01	4.68E+01
4.41E+00	5.31E-02	4.66E+01	1.62E+01	1.56E+01	2.55E+01	3.31E+01	3.98E+01	4.66E+01
4.67E+00	4.20E-02	4.64E+01	1.60E+01	1.54E+01	2.54E+01	3.30E+01	3.95E+01	4.63E+01
4.95E+00	3.25E-02	4.61E+01	1.59E+01	1.52E+01	2.52E+01	3.28E+01	3.92E+01	4.60E+01
5.24E+00	2.44E-02	4.58E+01	1.57E+01	1.51E+01	2.50E+01	3.26E+01	3.90E+01	4.58E+01
5.54E+00	1.78E-02	4.55E+01	1.55E+01	1.49E+01	2.48E+01	3.24E+01	3.87E+01	4.55E+01
5.87E+00	1.25E-02	4.52E+01	1.53E+01	1.48E+01	2.45E+01	3.22E+01	3.84E+01	4.52E+01
6.21E+00	8.22E-03	4.49E+01	1.52E+01	1.47E+01	2.43E+01	3.20E+01	3.80E+01	4.48E+01
6.58E+00	4.96E-03	4.45E+01	1.50E+01	1.46E+01	2.41E+01	3.17E+01	3.77E+01	4.45E+01
6.97E+00	2.53E-03	4.42E+01	1.48E+01	1.44E+01	2.38E+01	3.14E+01	3.73E+01	4.41E+01
7.38E+00	8.80E-04	4.38E+01	1.46E+01	1.43E+01	2.36E+01	3.10E+01	3.70E+01	4.37E+01
7.81E+00	1.19E-04	4.34E+01	1.43E+01	1.41E+01	2.34E+01	3.06E+01	3.66E+01	4.33E+01
8.27E+00	0.00E+00	4.30E+01	1.41E+01	1.39E+01	2.30E+01	3.02E+01	3.62E+01	4.29E+01
8.75E+00	0.00E+00	4.25E+01	1.39E+01	1.37E+01	2.26E+01	2.98E+01	3.58E+01	4.25E+01
9.27E+00	0.00E+00	4.21E+01	1.37E+01	1.34E+01	2.23E+01	2.93E+01	3.53E+01	4.20E+01
9.81E+00	0.00E+00	4.16E+01	1.34E+01	1.32E+01	2.20E+01	2.89E+01	3.48E+01	4.15E+01
1.00E+01	0.00E+00	4.14E+01	1.33E+01	1.31E+01	2.19E+01	2.87E+01	3.47E+01	4.14E+01
1.04E+01	0.00E+00	4.11E+01	1.32E+01	1.29E+01	2.17E+01	2.85E+01	3.44E+01	4.10E+01
1.10E+01	0.00E+00	4.05E+01	1.29E+01	1.26E+01	2.14E+01	2.82E+01	3.38E+01	4.05E+01

1.16E+01	0.00E+00	4.00E+01	1.26E+01	1.23E+01	2.11E+01	2.79E+01	3.33E+01	3.99E+01
1.23E+01	0.00E+00	3.94E+01	1.23E+01	1.19E+01	2.09E+01	2.76E+01	3.27E+01	3.93E+01
1.31E+01	0.00E+00	3.88E+01	1.20E+01	1.16E+01	2.06E+01	2.73E+01	3.21E+01	3.87E+01
1.38E+01	0.00E+00	3.82E+01	1.18E+01	1.13E+01	2.04E+01	2.70E+01	3.15E+01	3.81E+01
1.46E+01	0.00E+00	3.75E+01	1.14E+01	1.10E+01	2.01E+01	2.67E+01	3.09E+01	3.75E+01
1.55E+01	0.00E+00	3.68E+01	1.11E+01	1.08E+01	1.99E+01	2.63E+01	3.02E+01	3.68E+01
1.64E+01	0.00E+00	3.61E+01	1.08E+01	1.04E+01	1.96E+01	2.59E+01	2.95E+01	3.61E+01
1.74E+01	0.00E+00	3.53E+01	1.05E+01	1.02E+01	1.93E+01	2.54E+01	2.88E+01	3.53E+01
1.84E+01	0.00E+00	3.46E+01	1.02E+01	9.90E+00	1.90E+01	2.48E+01	2.81E+01	3.45E+01
1.95E+01	0.00E+00	3.38E+01	9.83E+00	9.45E+00	1.87E+01	2.43E+01	2.74E+01	3.37E+01
2.06E+01	0.00E+00	3.29E+01	9.49E+00	9.00E+00	1.83E+01	2.37E+01	2.69E+01	3.29E+01
2.18E+01	0.00E+00	3.21E+01	9.14E+00	8.58E+00	1.80E+01	2.29E+01	2.64E+01	3.20E+01
2.31E+01	0.00E+00	3.12E+01	8.79E+00	8.15E+00	1.76E+01	2.22E+01	2.59E+01	3.12E+01
2.45E+01	0.00E+00	3.03E+01	8.44E+00	7.72E+00	1.72E+01	2.16E+01	2.54E+01	3.02E+01
2.59E+01	0.00E+00	2.93E+01	8.09E+00	7.32E+00	1.69E+01	2.10E+01	2.49E+01	2.93E+01
2.74E+01	0.00E+00	2.83E+01	7.73E+00	6.93E+00	1.64E+01	2.04E+01	2.43E+01	2.83E+01
2.90E+01	0.00E+00	2.73E+01	7.37E+00	6.49E+00	1.59E+01	1.97E+01	2.37E+01	2.73E+01
3.00E+01	0.00E+00	2.68E+01	7.16E+00	6.23E+00	1.54E+01	1.93E+01	2.34E+01	2.67E+01
3.07E+01	0.00E+00	2.63E+01	7.01E+00	6.05E+00	1.51E+01	1.90E+01	2.31E+01	2.63E+01
3.25E+01	0.00E+00	2.53E+01	6.65E+00	5.69E+00	1.43E+01	1.83E+01	2.25E+01	2.53E+01
3.45E+01	0.00E+00	2.42E+01	6.29E+00	5.35E+00	1.35E+01	1.76E+01	2.18E+01	2.42E+01
3.50E+01	0.00E+00	2.40E+01	6.20E+00	5.26E+00	1.32E+01	1.74E+01	2.16E+01	2.40E+01
3.65E+01	0.00E+00	2.35E+01	5.94E+00	5.00E+00	1.28E+01	1.68E+01	2.10E+01	2.35E+01
3.86E+01	0.00E+00	2.28E+01	5.59E+00	4.60E+00	1.22E+01	1.60E+01	2.02E+01	2.28E+01
4.09E+01	0.00E+00	2.20E+01	5.24E+00	4.18E+00	1.12E+01	1.53E+01	1.93E+01	2.20E+01
4.33E+01	0.00E+00	2.13E+01	4.90E+00	3.78E+00	1.05E+01	1.45E+01	1.84E+01	2.13E+01
4.58E+01	0.00E+00	2.05E+01	4.56E+00	3.39E+00	1.01E+01	1.37E+01	1.75E+01	2.05E+01
4.85E+01	0.00E+00	1.97E+01	4.24E+00	3.01E+00	9.67E+00	1.29E+01	1.66E+01	1.96E+01
5.14E+01	0.00E+00	1.88E+01	3.92E+00	2.66E+00	9.27E+00	1.21E+01	1.57E+01	1.88E+01
5.44E+01	0.00E+00	1.80E+01	3.60E+00	2.29E+00	8.84E+00	1.14E+01	1.48E+01	1.80E+01
5.76E+01	0.00E+00	1.71E+01	3.30E+00	1.95E+00	8.26E+00	1.07E+01	1.39E+01	1.71E+01
6.10E+01	0.00E+00	1.63E+01	3.01E+00	1.65E+00	7.69E+00	1.00E+01	1.30E+01	1.62E+01
6.46E+01	0.00E+00	1.54E+01	2.73E+00	1.42E+00	7.12E+00	9.32E+00	1.21E+01	1.53E+01
6.83E+01	0.00E+00	1.45E+01	2.47E+00	1.20E+00	6.55E+00	8.64E+00	1.12E+01	1.44E+01
7.24E+01	0.00E+00	1.36E+01	2.21E+00	9.66E-01	6.00E+00	8.02E+00	1.03E+01	1.36E+01
7.66E+01	0.00E+00	1.27E+01	1.97E+00	7.81E-01	5.46E+00	7.46E+00	9.46E+00	1.27E+01
8.11E+01	0.00E+00	1.18E+01	1.75E+00	6.29E-01	4.94E+00	6.91E+00	8.62E+00	1.18E+01
8.59E+01	0.00E+00	1.09E+01	1.54E+00	4.51E-01	4.43E+00	6.37E+00	7.80E+00	1.09E+01
9.09E+01	0.00E+00	1.00E+01	1.35E+00	3.09E-01	4.04E+00	5.84E+00	7.02E+00	9.99E+00
9.63E+01	0.00E+00	9.14E+00	1.17E+00	1.87E-01	3.66E+00	5.32E+00	6.27E+00	9.12E+00
1.00E+02	0.00E+00	8.57E+00	1.06E+00	1.25E-01	3.42E+00	4.99E+00	5.82E+00	8.55E+00
1.02E+02	0.00E+00	8.28E+00	1.01E+00	1.02E-01	3.30E+00	4.83E+00	5.61E+00	8.26E+00
1.08E+02	0.00E+00	7.44E+00	8.61E-01	4.84E-02	2.95E+00	4.16E+00	5.00E+00	7.42E+00
1.14E+02	0.00E+00	6.62E+00	7.28E-01	7.39E-03	2.61E+00	3.60E+00	4.44E+00	6.61E+00
1.21E+02	0.00E+00	5.83E+00	6.08E-01	0.00E+00	2.23E+00	3.21E+00	3.91E+00	5.81E+00
1.28E+02	0.00E+00	5.06E+00	4.98E-01	0.00E+00	1.90E+00	2.84E+00	3.41E+00	5.05E+00
1.36E+02	0.00E+00	4.32E+00	4.02E-01	0.00E+00	1.52E+00	2.44E+00	2.94E+00	4.31E+00
1.44E+02	0.00E+00	3.62E+00	3.17E-01	0.00E+00	1.27E+00	2.05E+00	2.50E+00	3.61E+00
1.52E+02	0.00E+00	2.95E+00	2.47E-01	0.00E+00	1.04E+00	1.69E+00	2.09E+00	2.95E+00
1.61E+02	0.00E+00	2.33E+00	1.87E-01	0.00E+00	8.44E-01	1.37E+00	1.71E+00	2.32E+00

1.70E+02	0.00E+00	1.74E+00	1.35E-01	0.00E+00	6.68E-01	1.09E+00	1.36E+00	1.74E+00
1.80E+02	0.00E+00	1.19E+00	9.55E-02	0.00E+00	4.71E-01	8.45E-01	1.04E+00	1.19E+00
1.91E+02	0.00E+00	8.41E-01	6.30E-02	0.00E+00	2.95E-01	6.33E-01	7.07E-01	8.40E-01
2.02E+02	0.00E+00	6.37E-01	3.59E-02	0.00E+00	1.14E-01	3.42E-01	4.90E-01	6.36E-01
2.14E+02	0.00E+00	4.59E-01	1.98E-02	0.00E+00	1.65E-02	2.28E-01	3.09E-01	4.58E-01
2.27E+02	0.00E+00	3.07E-01	1.04E-02	0.00E+00	0.00E+00	1.03E-01	1.79E-01	3.06E-01
2.40E+02	0.00E+00	1.77E-01	4.74E-03	0.00E+00	0.00E+00	1.86E-02	1.12E-01	1.76E-01
2.54E+02	0.00E+00	6.54E-02	1.83E-03	0.00E+00	0.00E+00	0.00E+00	5.88E-02	6.54E-02
2.69E+02	0.00E+00	3.31E-02	3.32E-04	0.00E+00	0.00E+00	0.00E+00	3.98E-05	3.28E-02
2.85E+02	0.00E+00	6.92E-03	6.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-03
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.02E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.19E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.38E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.58E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.25E+02	0.00E+00	2.90E+00	2.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E+00
4.50E+02	0.00E+00	5.65E+00	6.77E-02	0.00E+00	0.00E+00	0.00E+00	5.33E-01	5.61E+00
4.76E+02	0.00E+00	6.95E+00	1.33E-01	0.00E+00	0.00E+00	0.00E+00	3.12E+00	6.92E+00
5.04E+02	0.00E+00	8.45E+00	3.05E-01	0.00E+00	0.00E+00	3.56E+00	6.36E+00	8.44E+00
5.34E+02	0.00E+00	1.07E+01	5.66E-01	0.00E+00	2.84E-01	7.44E+00	1.03E+01	1.07E+01
5.65E+02	0.00E+00	1.83E+01	8.00E-01	0.00E+00	2.48E+00	7.41E+00	1.14E+01	1.82E+01
5.98E+02	0.00E+00	2.25E+01	9.66E-01	0.00E+00	3.35E+00	7.55E+00	1.19E+01	2.24E+01
6.33E+02	0.00E+00	2.44E+01	1.18E+00	0.00E+00	4.70E+00	1.01E+01	1.27E+01	2.43E+01
6.71E+02	0.00E+00	2.52E+01	1.42E+00	0.00E+00	6.32E+00	1.10E+01	1.39E+01	2.51E+01
7.10E+02	0.00E+00	2.53E+01	1.75E+00	0.00E+00	7.01E+00	1.17E+01	1.71E+01	2.52E+01
7.52E+02	0.00E+00	2.50E+01	2.29E+00	0.00E+00	1.00E+01	1.44E+01	1.92E+01	2.50E+01
7.96E+02	0.00E+00	2.46E+01	2.71E+00	0.00E+00	1.10E+01	1.69E+01	2.44E+01	2.46E+01
8.43E+02	0.00E+00	2.90E+01	2.92E+00	0.00E+00	1.08E+01	1.85E+01	2.45E+01	2.90E+01
8.92E+02	0.00E+00	2.98E+01	3.05E+00	0.00E+00	1.05E+01	1.98E+01	2.41E+01	2.97E+01
9.45E+02	0.00E+00	2.94E+01	3.09E+00	0.00E+00	1.03E+01	1.98E+01	2.35E+01	2.93E+01
1.00E+03	0.00E+00	2.87E+01	3.28E+00	0.00E+00	1.01E+01	1.94E+01	2.30E+01	2.87E+01

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.86E+00	7.57E+01	1.91E+01	1.75E+01	2.86E+01	3.84E+01	4.66E+01	7.55E+01
1.00E+00	3.61E+00	7.47E+01	1.84E+01	1.69E+01	2.82E+01	3.73E+01	4.59E+01	7.45E+01
1.06E+00	3.54E+00	7.46E+01	1.84E+01	1.68E+01	2.82E+01	3.72E+01	4.58E+01	7.44E+01
1.12E+00	3.47E+00	7.45E+01	1.83E+01	1.68E+01	2.82E+01	3.71E+01	4.58E+01	7.43E+01
1.19E+00	3.39E+00	7.45E+01	1.83E+01	1.67E+01	2.82E+01	3.71E+01	4.57E+01	7.43E+01
1.26E+00	3.31E+00	7.44E+01	1.82E+01	1.67E+01	2.81E+01	3.70E+01	4.57E+01	7.42E+01
1.33E+00	3.23E+00	7.43E+01	1.82E+01	1.66E+01	2.81E+01	3.69E+01	4.56E+01	7.41E+01
1.41E+00	3.15E+00	7.42E+01	1.81E+01	1.66E+01	2.81E+01	3.68E+01	4.55E+01	7.40E+01
1.49E+00	3.06E+00	7.42E+01	1.81E+01	1.65E+01	2.81E+01	3.67E+01	4.55E+01	7.39E+01
1.58E+00	2.97E+00	7.41E+01	1.80E+01	1.65E+01	2.80E+01	3.66E+01	4.54E+01	7.38E+01
1.67E+00	2.88E+00	7.40E+01	1.79E+01	1.64E+01	2.80E+01	3.65E+01	4.53E+01	7.37E+01
1.77E+00	2.79E+00	7.39E+01	1.79E+01	1.64E+01	2.80E+01	3.64E+01	4.53E+01	7.36E+01
1.87E+00	2.69E+00	7.37E+01	1.78E+01	1.64E+01	2.79E+01	3.63E+01	4.52E+01	7.35E+01
1.98E+00	2.59E+00	7.36E+01	1.77E+01	1.63E+01	2.79E+01	3.62E+01	4.51E+01	7.34E+01
2.10E+00	2.49E+00	7.35E+01	1.77E+01	1.62E+01	2.79E+01	3.61E+01	4.50E+01	7.33E+01
2.22E+00	2.39E+00	7.34E+01	1.76E+01	1.62E+01	2.78E+01	3.59E+01	4.49E+01	7.31E+01
2.35E+00	2.29E+00	7.32E+01	1.75E+01	1.61E+01	2.78E+01	3.58E+01	4.48E+01	7.30E+01
2.49E+00	2.18E+00	7.31E+01	1.74E+01	1.60E+01	2.77E+01	3.56E+01	4.47E+01	7.29E+01
2.64E+00	2.08E+00	7.29E+01	1.73E+01	1.59E+01	2.77E+01	3.55E+01	4.46E+01	7.27E+01
2.79E+00	1.97E+00	7.28E+01	1.72E+01	1.58E+01	2.76E+01	3.53E+01	4.45E+01	7.25E+01
2.96E+00	1.86E+00	7.26E+01	1.71E+01	1.57E+01	2.76E+01	3.51E+01	4.43E+01	7.24E+01
3.00E+00	1.84E+00	7.26E+01	1.71E+01	1.57E+01	2.75E+01	3.51E+01	4.43E+01	7.23E+01
3.13E+00	1.75E+00	7.24E+01	1.70E+01	1.56E+01	2.75E+01	3.49E+01	4.42E+01	7.22E+01
3.32E+00	1.65E+00	7.22E+01	1.69E+01	1.56E+01	2.74E+01	3.47E+01	4.41E+01	7.20E+01
3.51E+00	1.54E+00	7.20E+01	1.68E+01	1.55E+01	2.74E+01	3.45E+01	4.39E+01	7.18E+01
3.72E+00	1.43E+00	7.18E+01	1.66E+01	1.53E+01	2.73E+01	3.43E+01	4.38E+01	7.16E+01
3.94E+00	1.33E+00	7.16E+01	1.65E+01	1.52E+01	2.73E+01	3.41E+01	4.36E+01	7.14E+01
4.17E+00	1.22E+00	7.13E+01	1.64E+01	1.50E+01	2.72E+01	3.39E+01	4.34E+01	7.11E+01
4.41E+00	1.12E+00	7.11E+01	1.62E+01	1.48E+01	2.71E+01	3.36E+01	4.33E+01	7.09E+01
4.67E+00	1.02E+00	7.08E+01	1.61E+01	1.46E+01	2.70E+01	3.33E+01	4.31E+01	7.06E+01
4.95E+00	9.28E-01	7.05E+01	1.59E+01	1.44E+01	2.69E+01	3.31E+01	4.29E+01	7.03E+01
5.24E+00	8.36E-01	7.02E+01	1.58E+01	1.42E+01	2.69E+01	3.28E+01	4.26E+01	7.00E+01
5.54E+00	7.48E-01	6.99E+01	1.56E+01	1.40E+01	2.68E+01	3.25E+01	4.24E+01	6.97E+01
5.87E+00	6.64E-01	6.96E+01	1.54E+01	1.38E+01	2.67E+01	3.21E+01	4.22E+01	6.94E+01
6.21E+00	5.84E-01	6.92E+01	1.52E+01	1.36E+01	2.66E+01	3.18E+01	4.19E+01	6.90E+01
6.58E+00	5.10E-01	6.89E+01	1.50E+01	1.33E+01	2.64E+01	3.14E+01	4.17E+01	6.87E+01
6.97E+00	4.40E-01	6.85E+01	1.48E+01	1.31E+01	2.63E+01	3.11E+01	4.14E+01	6.83E+01
7.38E+00	3.76E-01	6.81E+01	1.46E+01	1.28E+01	2.61E+01	3.07E+01	4.11E+01	6.79E+01
7.81E+00	3.17E-01	6.77E+01	1.44E+01	1.26E+01	2.57E+01	3.03E+01	4.08E+01	6.74E+01
8.27E+00	2.63E-01	6.72E+01	1.42E+01	1.23E+01	2.53E+01	2.98E+01	4.05E+01	6.70E+01
8.75E+00	2.15E-01	6.67E+01	1.40E+01	1.21E+01	2.49E+01	2.94E+01	4.01E+01	6.65E+01
9.27E+00	1.73E-01	6.62E+01	1.37E+01	1.19E+01	2.44E+01	2.89E+01	3.98E+01	6.60E+01
9.81E+00	1.35E-01	6.57E+01	1.35E+01	1.16E+01	2.40E+01	2.84E+01	3.94E+01	6.55E+01
1.00E+01	1.24E-01	6.55E+01	1.34E+01	1.15E+01	2.38E+01	2.83E+01	3.92E+01	6.53E+01
1.04E+01	1.03E-01	6.51E+01	1.32E+01	1.14E+01	2.37E+01	2.79E+01	3.90E+01	6.49E+01
1.10E+01	7.56E-02	6.46E+01	1.29E+01	1.11E+01	2.35E+01	2.74E+01	3.86E+01	6.43E+01

1.16E+01	5.26E-02	6.39E+01	1.27E+01	1.08E+01	2.33E+01	2.69E+01	3.81E+01	6.37E+01
1.23E+01	3.38E-02	6.33E+01	1.24E+01	1.05E+01	2.31E+01	2.63E+01	3.77E+01	6.31E+01
1.31E+01	1.88E-02	6.26E+01	1.21E+01	1.02E+01	2.29E+01	2.57E+01	3.72E+01	6.24E+01
1.38E+01	7.16E-03	6.19E+01	1.18E+01	9.88E+00	2.27E+01	2.51E+01	3.67E+01	6.17E+01
1.46E+01	4.82E-04	6.12E+01	1.15E+01	9.53E+00	2.22E+01	2.45E+01	3.62E+01	6.10E+01
1.55E+01	0.00E+00	6.04E+01	1.12E+01	9.11E+00	2.17E+01	2.40E+01	3.56E+01	6.02E+01
1.64E+01	0.00E+00	5.96E+01	1.09E+01	8.74E+00	2.12E+01	2.38E+01	3.50E+01	5.94E+01
1.74E+01	0.00E+00	5.87E+01	1.05E+01	8.48E+00	2.06E+01	2.35E+01	3.44E+01	5.85E+01
1.84E+01	0.00E+00	5.78E+01	1.02E+01	8.22E+00	2.01E+01	2.32E+01	3.38E+01	5.76E+01
1.95E+01	0.00E+00	5.69E+01	9.87E+00	7.94E+00	1.95E+01	2.29E+01	3.32E+01	5.67E+01
2.06E+01	0.00E+00	5.59E+01	9.53E+00	7.58E+00	1.90E+01	2.26E+01	3.25E+01	5.58E+01
2.18E+01	0.00E+00	5.49E+01	9.19E+00	7.22E+00	1.86E+01	2.23E+01	3.18E+01	5.47E+01
2.31E+01	0.00E+00	5.39E+01	8.84E+00	6.82E+00	1.83E+01	2.16E+01	3.11E+01	5.37E+01
2.45E+01	0.00E+00	5.28E+01	8.48E+00	6.40E+00	1.77E+01	2.08E+01	3.03E+01	5.26E+01
2.59E+01	0.00E+00	5.16E+01	8.13E+00	5.98E+00	1.70E+01	2.01E+01	2.95E+01	5.15E+01
2.74E+01	0.00E+00	5.05E+01	7.77E+00	5.57E+00	1.62E+01	1.93E+01	2.87E+01	5.03E+01
2.90E+01	0.00E+00	4.92E+01	7.42E+00	5.16E+00	1.53E+01	1.88E+01	2.79E+01	4.91E+01
3.00E+01	0.00E+00	4.85E+01	7.21E+00	4.94E+00	1.49E+01	1.86E+01	2.74E+01	4.83E+01
3.07E+01	0.00E+00	4.80E+01	7.06E+00	4.77E+00	1.45E+01	1.84E+01	2.70E+01	4.78E+01
3.25E+01	0.00E+00	4.67E+01	6.71E+00	4.39E+00	1.39E+01	1.80E+01	2.61E+01	4.65E+01
3.45E+01	0.00E+00	4.53E+01	6.35E+00	4.03E+00	1.32E+01	1.76E+01	2.52E+01	4.51E+01
3.50E+01	0.00E+00	4.49E+01	6.26E+00	3.93E+00	1.31E+01	1.75E+01	2.50E+01	4.48E+01
3.65E+01	0.00E+00	4.39E+01	6.00E+00	3.67E+00	1.28E+01	1.72E+01	2.43E+01	4.38E+01
3.86E+01	0.00E+00	4.25E+01	5.66E+00	3.35E+00	1.24E+01	1.68E+01	2.33E+01	4.23E+01
4.09E+01	0.00E+00	4.10E+01	5.32E+00	3.01E+00	1.20E+01	1.63E+01	2.23E+01	4.09E+01
4.33E+01	0.00E+00	3.95E+01	4.98E+00	2.69E+00	1.15E+01	1.59E+01	2.13E+01	3.93E+01
4.58E+01	0.00E+00	3.80E+01	4.65E+00	2.35E+00	1.09E+01	1.54E+01	2.03E+01	3.78E+01
4.85E+01	0.00E+00	3.64E+01	4.33E+00	2.04E+00	1.04E+01	1.49E+01	1.93E+01	3.62E+01
5.14E+01	0.00E+00	3.48E+01	4.02E+00	1.75E+00	9.91E+00	1.44E+01	1.83E+01	3.46E+01
5.44E+01	0.00E+00	3.32E+01	3.72E+00	1.51E+00	9.20E+00	1.39E+01	1.72E+01	3.30E+01
5.76E+01	0.00E+00	3.15E+01	3.43E+00	1.29E+00	8.44E+00	1.33E+01	1.63E+01	3.14E+01
6.10E+01	0.00E+00	2.98E+01	3.14E+00	1.09E+00	7.70E+00	1.28E+01	1.54E+01	2.97E+01
6.46E+01	0.00E+00	2.82E+01	2.87E+00	9.13E-01	7.20E+00	1.23E+01	1.45E+01	2.81E+01
6.83E+01	0.00E+00	2.65E+01	2.62E+00	7.39E-01	6.79E+00	1.16E+01	1.36E+01	2.64E+01
7.24E+01	0.00E+00	2.48E+01	2.37E+00	5.82E-01	6.38E+00	1.08E+01	1.27E+01	2.47E+01
7.66E+01	0.00E+00	2.32E+01	2.14E+00	4.53E-01	5.97E+00	9.91E+00	1.18E+01	2.30E+01
8.11E+01	0.00E+00	2.15E+01	1.93E+00	3.56E-01	5.56E+00	9.22E+00	1.10E+01	2.14E+01
8.59E+01	0.00E+00	1.99E+01	1.72E+00	2.74E-01	5.12E+00	8.69E+00	1.01E+01	1.98E+01
9.09E+01	0.00E+00	1.82E+01	1.53E+00	2.00E-01	4.61E+00	8.15E+00	9.24E+00	1.82E+01
9.63E+01	0.00E+00	1.67E+01	1.35E+00	1.31E-01	4.11E+00	7.62E+00	8.42E+00	1.66E+01
1.00E+02	0.00E+00	1.56E+01	1.24E+00	9.17E-02	3.79E+00	7.26E+00	7.99E+00	1.56E+01
1.02E+02	0.00E+00	1.51E+01	1.19E+00	7.06E-02	3.63E+00	7.07E+00	7.78E+00	1.51E+01
1.08E+02	0.00E+00	1.36E+01	1.03E+00	3.07E-02	3.16E+00	6.15E+00	7.15E+00	1.36E+01
1.14E+02	0.00E+00	1.22E+01	8.92E-01	8.17E-03	2.71E+00	5.40E+00	6.52E+00	1.21E+01
1.21E+02	0.00E+00	1.08E+01	7.64E-01	0.00E+00	2.28E+00	4.80E+00	5.91E+00	1.08E+01
1.28E+02	0.00E+00	9.50E+00	6.46E-01	0.00E+00	1.87E+00	4.23E+00	5.30E+00	9.46E+00
1.36E+02	0.00E+00	8.25E+00	5.40E-01	0.00E+00	1.49E+00	3.68E+00	4.71E+00	8.22E+00
1.44E+02	0.00E+00	7.08E+00	4.44E-01	0.00E+00	1.14E+00	3.17E+00	4.15E+00	7.05E+00
1.52E+02	0.00E+00	5.99E+00	3.59E-01	0.00E+00	8.95E-01	2.68E+00	3.62E+00	5.96E+00
1.61E+02	0.00E+00	4.93E+00	2.84E-01	0.00E+00	6.77E-01	2.22E+00	3.13E+00	4.92E+00

1.70E+02	0.00E+00	3.97E+00	2.18E-01	0.00E+00	4.86E-01	1.78E+00	2.68E+00	3.96E+00
1.80E+02	0.00E+00	3.10E+00	1.64E-01	0.00E+00	3.27E-01	1.38E+00	2.25E+00	3.10E+00
1.91E+02	0.00E+00	2.33E+00	1.18E-01	0.00E+00	1.79E-01	1.01E+00	1.85E+00	2.32E+00
2.02E+02	0.00E+00	1.64E+00	8.38E-02	0.00E+00	6.45E-02	6.90E-01	1.47E+00	1.64E+00
2.14E+02	0.00E+00	1.30E+00	5.27E-02	0.00E+00	2.99E-02	3.48E-01	9.94E-01	1.29E+00
2.27E+02	0.00E+00	9.84E-01	2.72E-02	0.00E+00	0.00E+00	1.85E-01	5.52E-01	9.80E-01
2.40E+02	0.00E+00	6.95E-01	1.30E-02	0.00E+00	0.00E+00	3.45E-02	2.50E-01	6.91E-01
2.54E+02	0.00E+00	4.28E-01	5.62E-03	0.00E+00	0.00E+00	0.00E+00	6.46E-02	4.25E-01
2.69E+02	0.00E+00	1.56E-01	1.64E-03	0.00E+00	0.00E+00	0.00E+00	3.62E-03	1.55E-01
2.85E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.02E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.19E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.38E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.58E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.25E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.50E+02	0.00E+00	8.74E-02	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-02
4.76E+02	0.00E+00	3.57E+00	8.27E-02	0.00E+00	0.00E+00	0.00E+00	1.64E+00	3.55E+00
5.04E+02	0.00E+00	6.59E+00	2.59E-01	0.00E+00	0.00E+00	3.24E+00	5.27E+00	6.59E+00
5.34E+02	0.00E+00	8.66E+00	3.82E-01	0.00E+00	0.00E+00	3.75E+00	8.16E+00	8.65E+00
5.65E+02	0.00E+00	1.07E+01	4.67E-01	0.00E+00	0.00E+00	3.76E+00	9.09E+00	1.07E+01
5.98E+02	0.00E+00	1.13E+01	5.89E-01	0.00E+00	1.59E+00	5.57E+00	9.32E+00	1.13E+01
6.33E+02	0.00E+00	1.13E+01	8.64E-01	0.00E+00	3.90E+00	7.59E+00	9.32E+00	1.13E+01
6.71E+02	0.00E+00	1.83E+01	1.05E+00	0.00E+00	4.39E+00	8.97E+00	1.02E+01	1.82E+01
7.10E+02	0.00E+00	2.12E+01	1.21E+00	0.00E+00	4.76E+00	8.97E+00	1.02E+01	2.11E+01
7.52E+02	0.00E+00	2.16E+01	1.69E+00	0.00E+00	7.56E+00	9.07E+00	1.28E+01	2.16E+01
7.96E+02	0.00E+00	2.48E+01	2.36E+00	0.00E+00	9.12E+00	1.06E+01	1.87E+01	2.48E+01
8.43E+02	0.00E+00	2.82E+01	2.70E+00	0.00E+00	9.85E+00	1.25E+01	1.92E+01	2.81E+01
8.92E+02	0.00E+00	2.88E+01	3.05E+00	0.00E+00	9.72E+00	1.29E+01	1.88E+01	2.87E+01
9.45E+02	0.00E+00	2.84E+01	3.49E+00	5.46E-02	1.01E+01	1.27E+01	1.84E+01	2.83E+01
1.00E+03	0.00E+00	2.78E+01	3.85E+00	1.51E+00	1.09E+01	1.40E+01	1.80E+01	2.77E+01

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

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	8.72E-01	5.89E+01	1.87E+01	1.79E+01	2.73E+01	3.40E+01	4.55E+01	5.89E+01
1.00E+00	2.60E-01	5.77E+01	1.80E+01	1.73E+01	2.65E+01	3.33E+01	4.47E+01	5.76E+01
1.06E+00	2.42E-01	5.76E+01	1.79E+01	1.73E+01	2.65E+01	3.32E+01	4.47E+01	5.75E+01
1.12E+00	2.24E-01	5.75E+01	1.79E+01	1.72E+01	2.65E+01	3.32E+01	4.46E+01	5.75E+01
1.19E+00	2.06E-01	5.75E+01	1.79E+01	1.72E+01	2.64E+01	3.31E+01	4.46E+01	5.74E+01
1.26E+00	1.89E-01	5.74E+01	1.78E+01	1.71E+01	2.64E+01	3.31E+01	4.45E+01	5.73E+01
1.33E+00	1.72E-01	5.73E+01	1.78E+01	1.71E+01	2.63E+01	3.30E+01	4.45E+01	5.72E+01
1.41E+00	1.55E-01	5.72E+01	1.77E+01	1.70E+01	2.63E+01	3.30E+01	4.44E+01	5.71E+01
1.49E+00	1.40E-01	5.71E+01	1.77E+01	1.70E+01	2.62E+01	3.29E+01	4.43E+01	5.70E+01
1.58E+00	1.25E-01	5.70E+01	1.76E+01	1.69E+01	2.62E+01	3.28E+01	4.43E+01	5.69E+01
1.67E+00	1.11E-01	5.69E+01	1.75E+01	1.68E+01	2.61E+01	3.28E+01	4.42E+01	5.68E+01
1.77E+00	9.71E-02	5.67E+01	1.75E+01	1.68E+01	2.61E+01	3.27E+01	4.41E+01	5.67E+01
1.87E+00	8.45E-02	5.66E+01	1.74E+01	1.67E+01	2.60E+01	3.26E+01	4.41E+01	5.65E+01
1.98E+00	7.29E-02	5.65E+01	1.73E+01	1.66E+01	2.60E+01	3.25E+01	4.40E+01	5.64E+01
2.10E+00	6.21E-02	5.63E+01	1.73E+01	1.65E+01	2.59E+01	3.24E+01	4.39E+01	5.63E+01
2.22E+00	5.23E-02	5.62E+01	1.72E+01	1.64E+01	2.58E+01	3.23E+01	4.38E+01	5.61E+01
2.35E+00	4.35E-02	5.60E+01	1.71E+01	1.63E+01	2.58E+01	3.23E+01	4.37E+01	5.59E+01
2.49E+00	3.56E-02	5.59E+01	1.70E+01	1.62E+01	2.57E+01	3.22E+01	4.36E+01	5.58E+01
2.64E+00	2.86E-02	5.57E+01	1.69E+01	1.61E+01	2.56E+01	3.21E+01	4.35E+01	5.56E+01
2.79E+00	2.25E-02	5.55E+01	1.68E+01	1.60E+01	2.55E+01	3.19E+01	4.33E+01	5.54E+01
2.96E+00	1.73E-02	5.53E+01	1.67E+01	1.59E+01	2.53E+01	3.18E+01	4.32E+01	5.52E+01
3.00E+00	1.62E-02	5.52E+01	1.67E+01	1.59E+01	2.52E+01	3.18E+01	4.32E+01	5.52E+01
3.13E+00	1.29E-02	5.51E+01	1.66E+01	1.59E+01	2.51E+01	3.17E+01	4.31E+01	5.50E+01
3.32E+00	9.29E-03	5.49E+01	1.65E+01	1.58E+01	2.49E+01	3.16E+01	4.29E+01	5.48E+01
3.51E+00	6.33E-03	5.46E+01	1.64E+01	1.57E+01	2.47E+01	3.14E+01	4.28E+01	5.46E+01
3.72E+00	3.99E-03	5.44E+01	1.63E+01	1.56E+01	2.44E+01	3.13E+01	4.26E+01	5.43E+01
3.94E+00	2.21E-03	5.41E+01	1.61E+01	1.54E+01	2.43E+01	3.12E+01	4.25E+01	5.41E+01
4.17E+00	1.03E-03	5.38E+01	1.60E+01	1.53E+01	2.43E+01	3.10E+01	4.23E+01	5.38E+01
4.41E+00	3.36E-04	5.36E+01	1.59E+01	1.52E+01	2.42E+01	3.08E+01	4.21E+01	5.35E+01
4.67E+00	3.45E-05	5.33E+01	1.57E+01	1.51E+01	2.40E+01	3.07E+01	4.19E+01	5.32E+01
4.95E+00	1.42E-08	5.29E+01	1.56E+01	1.49E+01	2.39E+01	3.05E+01	4.17E+01	5.29E+01
5.24E+00	0.00E+00	5.26E+01	1.54E+01	1.47E+01	2.38E+01	3.03E+01	4.15E+01	5.25E+01
5.54E+00	0.00E+00	5.22E+01	1.52E+01	1.46E+01	2.37E+01	3.01E+01	4.13E+01	5.22E+01
5.87E+00	0.00E+00	5.19E+01	1.51E+01	1.43E+01	2.36E+01	2.99E+01	4.10E+01	5.18E+01
6.21E+00	0.00E+00	5.15E+01	1.49E+01	1.41E+01	2.34E+01	2.96E+01	4.08E+01	5.14E+01
6.58E+00	0.00E+00	5.11E+01	1.47E+01	1.38E+01	2.33E+01	2.94E+01	4.05E+01	5.10E+01
6.97E+00	0.00E+00	5.06E+01	1.45E+01	1.35E+01	2.31E+01	2.91E+01	4.03E+01	5.06E+01
7.38E+00	0.00E+00	5.02E+01	1.43E+01	1.32E+01	2.30E+01	2.89E+01	4.00E+01	5.01E+01
7.81E+00	0.00E+00	4.97E+01	1.41E+01	1.28E+01	2.28E+01	2.86E+01	3.96E+01	4.96E+01
8.27E+00	0.00E+00	4.92E+01	1.39E+01	1.25E+01	2.26E+01	2.83E+01	3.93E+01	4.91E+01
8.75E+00	0.00E+00	4.87E+01	1.36E+01	1.23E+01	2.25E+01	2.80E+01	3.90E+01	4.86E+01
9.27E+00	0.00E+00	4.81E+01	1.34E+01	1.21E+01	2.22E+01	2.77E+01	3.86E+01	4.81E+01
9.81E+00	0.00E+00	4.75E+01	1.31E+01	1.20E+01	2.17E+01	2.74E+01	3.82E+01	4.75E+01
1.00E+01	0.00E+00	4.73E+01	1.31E+01	1.19E+01	2.16E+01	2.72E+01	3.81E+01	4.73E+01
1.04E+01	0.00E+00	4.69E+01	1.29E+01	1.18E+01	2.12E+01	2.70E+01	3.79E+01	4.69E+01
1.10E+01	0.00E+00	4.63E+01	1.26E+01	1.16E+01	2.09E+01	2.66E+01	3.74E+01	4.62E+01

1.16E+01	0.00E+00	4.56E+01	1.24E+01	1.13E+01	2.06E+01	2.63E+01	3.70E+01	4.56E+01
1.23E+01	0.00E+00	4.49E+01	1.21E+01	1.10E+01	2.04E+01	2.59E+01	3.65E+01	4.49E+01
1.31E+01	0.00E+00	4.42E+01	1.18E+01	1.07E+01	2.01E+01	2.54E+01	3.61E+01	4.42E+01
1.38E+01	0.00E+00	4.35E+01	1.15E+01	1.04E+01	1.99E+01	2.50E+01	3.56E+01	4.34E+01
1.46E+01	0.00E+00	4.27E+01	1.12E+01	1.01E+01	1.96E+01	2.46E+01	3.50E+01	4.26E+01
1.55E+01	0.00E+00	4.19E+01	1.09E+01	9.74E+00	1.93E+01	2.41E+01	3.45E+01	4.18E+01
1.64E+01	0.00E+00	4.10E+01	1.06E+01	9.41E+00	1.91E+01	2.36E+01	3.39E+01	4.10E+01
1.74E+01	0.00E+00	4.01E+01	1.03E+01	9.16E+00	1.87E+01	2.31E+01	3.33E+01	4.01E+01
1.84E+01	0.00E+00	3.92E+01	9.94E+00	8.83E+00	1.83E+01	2.26E+01	3.27E+01	3.92E+01
1.95E+01	0.00E+00	3.83E+01	9.61E+00	8.48E+00	1.79E+01	2.20E+01	3.21E+01	3.82E+01
2.06E+01	0.00E+00	3.73E+01	9.28E+00	8.12E+00	1.75E+01	2.14E+01	3.14E+01	3.72E+01
2.18E+01	0.00E+00	3.63E+01	8.94E+00	7.76E+00	1.70E+01	2.09E+01	3.07E+01	3.62E+01
2.31E+01	0.00E+00	3.52E+01	8.59E+00	7.39E+00	1.66E+01	2.03E+01	3.00E+01	3.52E+01
2.45E+01	0.00E+00	3.41E+01	8.24E+00	7.02E+00	1.61E+01	1.99E+01	2.92E+01	3.41E+01
2.59E+01	0.00E+00	3.30E+01	7.89E+00	6.71E+00	1.56E+01	1.95E+01	2.85E+01	3.30E+01
2.74E+01	0.00E+00	3.19E+01	7.54E+00	6.40E+00	1.51E+01	1.91E+01	2.77E+01	3.18E+01
2.90E+01	0.00E+00	3.07E+01	7.19E+00	6.08E+00	1.46E+01	1.86E+01	2.68E+01	3.07E+01
3.00E+01	0.00E+00	3.00E+01	6.99E+00	5.89E+00	1.43E+01	1.84E+01	2.64E+01	3.00E+01
3.07E+01	0.00E+00	2.95E+01	6.84E+00	5.75E+00	1.41E+01	1.82E+01	2.60E+01	2.95E+01
3.25E+01	0.00E+00	2.83E+01	6.49E+00	5.43E+00	1.36E+01	1.77E+01	2.51E+01	2.82E+01
3.45E+01	0.00E+00	2.70E+01	6.14E+00	5.11E+00	1.30E+01	1.73E+01	2.42E+01	2.70E+01
3.50E+01	0.00E+00	2.67E+01	6.04E+00	5.01E+00	1.29E+01	1.71E+01	2.40E+01	2.66E+01
3.65E+01	0.00E+00	2.58E+01	5.79E+00	4.78E+00	1.26E+01	1.68E+01	2.33E+01	2.57E+01
3.86E+01	0.00E+00	2.45E+01	5.45E+00	4.41E+00	1.21E+01	1.62E+01	2.24E+01	2.45E+01
4.09E+01	0.00E+00	2.32E+01	5.11E+00	3.94E+00	1.16E+01	1.57E+01	2.14E+01	2.32E+01
4.33E+01	0.00E+00	2.19E+01	4.78E+00	3.50E+00	1.12E+01	1.52E+01	2.04E+01	2.19E+01
4.58E+01	0.00E+00	2.06E+01	4.46E+00	3.08E+00	1.07E+01	1.46E+01	1.94E+01	2.06E+01
4.85E+01	0.00E+00	1.93E+01	4.14E+00	2.70E+00	1.04E+01	1.41E+01	1.84E+01	1.93E+01
5.14E+01	0.00E+00	1.84E+01	3.83E+00	2.38E+00	9.96E+00	1.35E+01	1.73E+01	1.84E+01
5.44E+01	0.00E+00	1.75E+01	3.53E+00	2.08E+00	9.54E+00	1.29E+01	1.63E+01	1.75E+01
5.76E+01	0.00E+00	1.66E+01	3.24E+00	1.79E+00	8.83E+00	1.23E+01	1.53E+01	1.66E+01
6.10E+01	0.00E+00	1.57E+01	2.96E+00	1.50E+00	8.23E+00	1.17E+01	1.42E+01	1.57E+01
6.46E+01	0.00E+00	1.48E+01	2.69E+00	1.29E+00	7.84E+00	1.11E+01	1.32E+01	1.48E+01
6.83E+01	0.00E+00	1.39E+01	2.44E+00	1.09E+00	7.45E+00	1.05E+01	1.22E+01	1.39E+01
7.24E+01	0.00E+00	1.29E+01	2.20E+00	9.17E-01	7.05E+00	9.83E+00	1.12E+01	1.29E+01
7.66E+01	0.00E+00	1.20E+01	1.97E+00	7.54E-01	6.52E+00	9.04E+00	1.03E+01	1.20E+01
8.11E+01	0.00E+00	1.11E+01	1.76E+00	6.06E-01	5.93E+00	8.13E+00	9.46E+00	1.11E+01
8.59E+01	0.00E+00	1.02E+01	1.56E+00	4.56E-01	5.46E+00	7.26E+00	8.74E+00	1.02E+01
9.09E+01	0.00E+00	9.30E+00	1.38E+00	3.19E-01	5.02E+00	6.44E+00	8.03E+00	9.29E+00
9.63E+01	0.00E+00	8.42E+00	1.20E+00	1.99E-01	4.59E+00	5.57E+00	7.32E+00	8.42E+00
1.00E+02	0.00E+00	7.85E+00	1.09E+00	1.37E-01	4.27E+00	5.13E+00	6.86E+00	7.85E+00
1.02E+02	0.00E+00	7.57E+00	1.04E+00	1.18E-01	4.11E+00	4.94E+00	6.63E+00	7.56E+00
1.08E+02	0.00E+00	6.74E+00	8.92E-01	6.88E-02	3.65E+00	4.26E+00	5.95E+00	6.74E+00
1.14E+02	0.00E+00	5.94E+00	7.60E-01	1.45E-02	3.22E+00	3.72E+00	5.28E+00	5.94E+00
1.21E+02	0.00E+00	5.17E+00	6.40E-01	0.00E+00	2.67E+00	3.30E+00	4.64E+00	5.17E+00
1.28E+02	0.00E+00	4.45E+00	5.33E-01	0.00E+00	2.29E+00	2.90E+00	4.01E+00	4.44E+00
1.36E+02	0.00E+00	3.76E+00	4.35E-01	0.00E+00	1.96E+00	2.51E+00	3.41E+00	3.75E+00
1.44E+02	0.00E+00	3.11E+00	3.49E-01	0.00E+00	1.66E+00	2.14E+00	2.83E+00	3.11E+00
1.52E+02	0.00E+00	2.50E+00	2.74E-01	0.00E+00	1.35E+00	1.78E+00	2.28E+00	2.50E+00
1.61E+02	0.00E+00	1.95E+00	2.08E-01	0.00E+00	1.06E+00	1.51E+00	1.82E+00	1.95E+00

1.70E+02	0.00E+00	1.55E+00	1.52E-01	0.00E+00	8.17E-01	1.21E+00	1.38E+00	1.55E+00
1.80E+02	0.00E+00	1.24E+00	1.04E-01	0.00E+00	6.05E-01	8.13E-01	1.00E+00	1.24E+00
1.91E+02	0.00E+00	9.50E-01	6.55E-02	0.00E+00	2.74E-01	5.27E-01	6.91E-01	9.49E-01
2.02E+02	0.00E+00	6.76E-01	3.63E-02	0.00E+00	1.36E-01	3.10E-01	5.25E-01	6.76E-01
2.14E+02	0.00E+00	4.99E-01	1.93E-02	0.00E+00	1.51E-02	1.71E-01	3.42E-01	4.99E-01
2.27E+02	0.00E+00	3.66E-01	9.79E-03	0.00E+00	0.00E+00	6.56E-02	1.52E-01	3.64E-01
2.40E+02	0.00E+00	2.52E-01	4.35E-03	0.00E+00	0.00E+00	2.66E-02	6.26E-02	2.51E-01
2.54E+02	0.00E+00	1.58E-01	1.90E-03	0.00E+00	0.00E+00	0.00E+00	1.57E-02	1.56E-01
2.69E+02	0.00E+00	7.83E-02	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-02
2.85E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.02E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.19E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.38E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.58E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.25E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.50E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4.76E+02	0.00E+00	5.45E+00	9.16E-02	0.00E+00	0.00E+00	0.00E+00	1.76E+00	5.44E+00
5.04E+02	0.00E+00	1.18E+01	3.00E-01	0.00E+00	0.00E+00	2.60E+00	6.20E+00	1.17E+01
5.34E+02	0.00E+00	1.44E+01	5.00E-01	0.00E+00	0.00E+00	5.82E+00	1.08E+01	1.43E+01
5.65E+02	0.00E+00	1.74E+01	7.03E-01	0.00E+00	0.00E+00	7.42E+00	1.27E+01	1.73E+01
5.98E+02	0.00E+00	1.94E+01	9.28E-01	0.00E+00	1.56E+00	8.08E+00	1.28E+01	1.94E+01
6.33E+02	0.00E+00	2.02E+01	1.39E+00	0.00E+00	7.88E+00	1.05E+01	1.61E+01	2.02E+01
6.71E+02	0.00E+00	2.11E+01	1.73E+00	0.00E+00	8.23E+00	1.05E+01	2.03E+01	2.11E+01
7.10E+02	0.00E+00	2.42E+01	1.86E+00	0.00E+00	8.82E+00	1.17E+01	2.04E+01	2.41E+01
7.52E+02	0.00E+00	2.51E+01	2.21E+00	0.00E+00	9.69E+00	1.25E+01	2.01E+01	2.51E+01
7.96E+02	0.00E+00	2.51E+01	2.50E+00	0.00E+00	9.80E+00	1.39E+01	1.97E+01	2.51E+01
8.43E+02	0.00E+00	2.47E+01	2.82E+00	0.00E+00	9.84E+00	1.37E+01	1.93E+01	2.47E+01
8.92E+02	0.00E+00	2.42E+01	3.12E+00	0.00E+00	9.65E+00	1.63E+01	1.89E+01	2.42E+01
9.45E+02	0.00E+00	2.37E+01	3.33E+00	0.00E+00	9.99E+00	1.60E+01	1.90E+01	2.36E+01
1.00E+03	0.00E+00	2.31E+01	3.45E+00	0.00E+00	9.75E+00	1.57E+01	1.88E+01	2.31E+01

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.901E+01
2	0.000E+00	1.911E+01
3	0.000E+00	1.868E+01

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.59	3	-0.33	3	-0.66	3	-0.34
Thickness of Unsaturted zone 1	5	0.20	5	0.09	11	0.05	11	0.02
Runoff coefficient	10	0.09	10	0.04	9	0.07	9	0.03
Wind Speed	7	0.13	7	0.06	14	-0.02	14	-0.01
Well pump intake depth	9	-0.10	9	-0.04	6	-0.12	6	-0.05
External gamma shielding factor	4	0.39	4	0.19	4	0.43	4	0.18
Inhalation rate	11	0.04	11	0.02	13	0.02	13	0.01
Soil ingestion	14	-0.01	14	0.00	7	-0.12	7	-0.05
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	12	0.04	12	0.01
Thickness of contaminated zone	1	0.82	1	0.65	1	0.88	1	0.72
Aquatic food	12	-0.04	12	-0.02	8	-0.07	8	-0.03
Depth of soil mixing layer	6	-0.14	6	-0.06	5	-0.22	5	-0.09
Mass loading for inhalation	8	-0.12	8	-0.05	10	-0.05	10	-0.02
Indoor time fraction	2	0.70	2	0.44	2	0.70	2	0.38
R-SQUARE		0.80		0.80		0.85		0.85

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.61	3	-0.37	3	-0.56	3	-0.26
Thickness of Unsaturted zone 1	7	0.12	7	0.06	10	-0.03	10	-0.01
Runoff coefficient	14	-0.01	14	0.00	7	-0.09	7	-0.03
Wind Speed	8	0.08	8	0.04	11	-0.01	11	-0.01
Well pump intake depth	9	0.06	9	0.03	14	-0.01	14	0.00
External gamma shielding factor	4	0.49	4	0.27	4	0.39	4	0.16
Inhalation rate	13	-0.02	13	-0.01	9	-0.05	9	-0.02
Soil ingestion	12	-0.02	12	-0.01	8	-0.06	8	-0.02
Thickness of Unsaturated zone 2	11	-0.03	11	-0.02	12	-0.01	12	-0.01
Thickness of contaminated zone	1	0.79	1	0.62	1	0.89	1	0.75
Aquatic food	6	-0.13	6	-0.06	6	-0.10	6	-0.04
Depth of soil mixing layer	5	-0.21	5	-0.10	5	-0.29	5	-0.12
Mass loading for inhalation	10	0.04	10	0.02	13	-0.01	13	-0.01
Indoor time fraction	2	0.65	2	0.41	2	0.75	2	0.44
R-SQUARE		0.77		0.77		0.85		0.85

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

Coefficients for peak of mean dose time Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.69	3	-0.40	3	-0.68	3	-0.32
Thickness of Unsaturted zone 1	11	-0.06	11	-0.03	11	-0.03	11	-0.01
Runoff coefficient	13	0.03	13	0.01	10	0.04	10	0.01
Wind Speed	6	0.19	6	0.08	7	0.15	7	0.05
Well pump intake depth	10	-0.06	10	-0.03	8	0.14	8	0.05
External gamma shielding factor	4	0.54	4	0.27	4	0.51	4	0.21
Inhalation rate	9	-0.10	9	-0.04	14	0.00	14	0.00
Soil ingestion	7	0.19	7	0.08	12	-0.02	12	-0.01
Thickness of Unsaturated zone 2	14	0.02	14	0.01	13	0.02	13	0.01
Thickness of contaminated zone	1	0.85	1	0.69	1	0.90	1	0.73
Aquatic food	5	0.26	5	0.11	6	0.19	6	0.07
Depth of soil mixing layer	8	-0.11	8	-0.04	5	-0.36	5	-0.13
Mass loading for inhalation	12	-0.03	12	-0.01	9	-0.07	9	-0.02
Indoor time fraction	2	0.69	2	0.41	2	0.80	2	0.46
R-SQUARE		0.82		0.82		0.88		0.88

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.56	3	-0.31	3	-0.61	3	-0.31
Thickness of Unsaturted zone 1	5	0.19	5	0.09	8	0.08	8	0.03
Runoff coefficient	12	0.03	12	0.01	12	-0.02	12	-0.01
Wind Speed	8	0.12	8	0.05	13	-0.01	13	-0.01
Well pump intake depth	6	-0.16	6	-0.07	6	-0.19	6	-0.08
External gamma shielding factor	4	0.38	4	0.19	4	0.37	4	0.17
Inhalation rate	10	0.04	10	0.02	11	0.03	11	0.01
Soil ingestion	14	0.02	14	0.01	9	-0.06	9	-0.03
Thickness of Unsaturated zone 2	11	-0.03	11	-0.01	10	0.05	10	0.02
Thickness of contaminated zone	1	0.82	1	0.67	1	0.87	1	0.74
Aquatic food	13	0.02	13	0.01	14	0.00	14	0.00
Depth of soil mixing layer	9	-0.12	9	-0.05	5	-0.21	5	-0.09
Mass loading for inhalation	7	-0.13	7	-0.06	7	-0.08	7	-0.03
Indoor time fraction	2	0.67	2	0.42	2	0.66	2	0.36
R-SQUARE		0.79		0.79		0.83		0.83

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.59	3	-0.36	3	-0.51	3	-0.24
Thickness of Unsaturted zone 1	6	0.12	6	0.06	14	0.00	14	0.00
Runoff coefficient	14	-0.01	14	-0.01	6	-0.10	6	-0.04
Wind Speed	8	0.07	8	0.03	11	-0.05	11	-0.02
Well pump intake depth	11	0.03	11	0.02	9	-0.07	9	-0.03
External gamma shielding factor	4	0.48	4	0.27	4	0.39	4	0.17
Inhalation rate	12	-0.03	12	-0.01	7	-0.09	7	-0.03
Soil ingestion	13	-0.02	13	-0.01	13	-0.04	13	-0.02
Thickness of Unsaturated zone 2	10	-0.05	10	-0.02	8	-0.08	8	-0.03
Thickness of contaminated zone	1	0.79	1	0.62	1	0.88	1	0.76
Aquatic food	7	-0.10	7	-0.05	10	-0.06	10	-0.02
Depth of soil mixing layer	5	-0.17	5	-0.09	5	-0.22	5	-0.09
Mass loading for inhalation	9	0.05	9	0.03	12	0.04	12	0.02
Indoor time fraction	2	0.63	2	0.40	2	0.73	2	0.43
R-SQUARE		0.76		0.76		0.84		0.84

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

Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.69	3	-0.40	3	-0.68	3	-0.32
Thickness of Unsaturted zone 1	11	-0.06	11	-0.02	12	-0.02	12	-0.01
Runoff coefficient	13	0.01	13	0.01	14	0.00	14	0.00
Wind Speed	6	0.20	6	0.09	7	0.18	7	0.06
Well pump intake depth	10	-0.08	10	-0.03	8	0.09	8	0.03
External gamma shielding factor	4	0.53	4	0.27	4	0.50	4	0.20
Inhalation rate	9	-0.09	9	-0.04	11	0.03	11	0.01
Soil ingestion	7	0.18	7	0.08	10	-0.04	10	-0.01
Thickness of Unsaturated zone 2	14	0.01	14	0.00	13	0.02	13	0.01
Thickness of contaminated zone	1	0.85	1	0.69	1	0.91	1	0.74
Aquatic food	5	0.28	5	0.12	6	0.23	6	0.08
Depth of soil mixing layer	8	-0.12	8	-0.05	5	-0.40	5	-0.15
Mass loading for inhalation	12	-0.03	12	-0.01	9	-0.07	9	-0.03
Indoor time fraction	3	0.69	2	0.41	2	0.80	2	0.45
R-SQUARE		0.82		0.82		0.89		0.89

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

Coefficients for peak External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	0.08	10	0.03	14	0.00	14	0.00
Thickness of Unsaturted zone 1	6	0.16	6	0.07	7	0.07	7	0.02
Runoff coefficient	4	0.23	4	0.10	6	0.09	6	0.03
Wind Speed	12	0.06	12	0.02	12	-0.02	12	-0.01
Well pump intake depth	13	-0.05	13	-0.02	10	-0.04	10	-0.01
External gamma shielding factor	3	0.59	3	0.31	3	0.57	3	0.25
Inhalation rate	5	0.21	5	0.09	13	-0.01	13	0.00
Soil ingestion	11	-0.06	11	-0.02	9	0.06	9	0.02
Thickness of Unsaturated zone 2	14	-0.02	14	-0.01	5	-0.12	5	-0.04
Thickness of contaminated zone	2	0.78	2	0.51	2	0.87	2	0.62
Aquatic food	8	0.09	8	0.04	11	-0.04	11	-0.01
Depth of soil mixing layer	9	0.08	9	0.03	8	0.06	8	0.02
Mass loading for inhalation	7	-0.15	7	-0.06	4	-0.14	4	-0.05
Indoor time fraction	1	0.85	1	0.68	1	0.87	1	0.63
R-SQUARE		0.83		0.83		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 External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.06	9	-0.03	4	0.22	4	0.08
Thickness of Unsaturted zone 1	12	-0.02	12	-0.01	6	-0.12	6	-0.05
Runoff coefficient	14	0.00	14	0.00	13	0.03	13	0.01
Wind Speed	7	0.09	7	0.04	10	0.06	10	0.02
Well pump intake depth	8	-0.08	8	-0.04	8	-0.09	8	-0.03
External gamma shielding factor	3	0.60	3	0.35	3	0.54	3	0.24
Inhalation rate	5	-0.10	5	-0.05	7	-0.12	7	-0.05
Soil ingestion	13	0.01	13	0.01	12	0.04	12	0.01
Thickness of Unsaturated zone 2	10	0.03	10	0.02	14	0.02	14	0.01
Thickness of contaminated zone	2	0.74	2	0.51	2	0.86	2	0.62
Aquatic food	6	-0.10	6	-0.05	5	-0.15	5	-0.06
Depth of soil mixing layer	4	-0.17	4	-0.08	9	-0.08	9	-0.03
Mass loading for inhalation	11	-0.02	11	-0.01	11	-0.04	11	-0.02
Indoor time fraction	1	0.80	1	0.63	1	0.87	1	0.64
R-SQUARE		0.79		0.79		0.86		0.86

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

Coefficients for peak External Ground Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	5	-0.23	5	-0.09	8	-0.13	8	-0.05
Thickness of Unsaturted zone 1	11	-0.08	11	-0.03	10	0.05	10	0.02
Runoff coefficient	9	0.10	9	0.04	13	0.03	13	0.01
Wind Speed	4	0.24	4	0.09	12	0.04	12	0.01
Well pump intake depth	12	0.06	12	0.02	6	0.18	6	0.07
External gamma shielding factor	3	0.68	3	0.36	3	0.53	3	0.23
Inhalation rate	10	0.08	10	0.03	14	0.00	14	0.00
Soil ingestion	13	0.05	13	0.02	9	-0.06	9	-0.02
Thickness of Unsaturated zone 2	8	0.12	8	0.05	11	0.04	11	0.02
Thickness of contaminated zone	2	0.83	2	0.57	2	0.85	2	0.59
Aquatic food	6	0.21	6	0.08	4	0.23	4	0.09
Depth of soil mixing layer	14	0.00	14	0.00	5	-0.20	5	-0.08
Mass loading for inhalation	7	-0.15	7	-0.06	7	-0.17	7	-0.06
Indoor time fraction	1	0.87	1	0.71	1	0.88	1	0.68
R-SQUARE		0.85		0.85		0.87		0.87

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

Coefficients for peak Inhalation Particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	0.15	9	0.07	8	0.17	8	0.06
Thickness of Unsaturted zone 1	7	0.17	7	0.08	14	0.02	14	0.01
Runoff coefficient	11	0.07	11	0.03	7	0.18	7	0.06
Wind Speed	6	-0.21	6	-0.10	6	-0.32	6	-0.11
Well pump intake depth	8	-0.17	8	-0.08	12	-0.03	12	-0.01
External gamma shielding factor	12	0.06	12	0.03	10	0.08	10	0.03
Inhalation rate	5	0.55	5	0.31	5	0.52	5	0.21
Soil ingestion	13	0.02	13	0.01	9	0.11	9	0.04
Thickness of Unsaturated zone 2	10	0.08	10	0.04	11	-0.06	11	-0.02
Thickness of contaminated zone	2	0.68	2	0.44	1	0.85	1	0.56
Aquatic food	14	0.01	14	0.01	13	0.02	13	0.01
Depth of soil mixing layer	1	-0.69	1	-0.45	2	-0.81	2	-0.47
Mass loading for inhalation	4	0.60	4	0.35	3	0.78	3	0.43
Indoor time fraction	3	0.65	3	0.40	4	0.67	4	0.31
R-SQUARE		0.78		0.78		0.88		0.88

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

Coefficients for peak Inhalation Particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	12	-0.08	12	-0.03	8	0.12	8	0.04
Thickness of Unsaturted zone 1	13	0.05	13	0.02	12	0.03	12	0.01
Runoff coefficient	6	-0.22	6	-0.08	11	-0.06	11	-0.02
Wind Speed	9	-0.15	9	-0.06	6	-0.35	6	-0.11
Well pump intake depth	10	-0.14	10	-0.05	13	-0.03	13	-0.01
External gamma shielding factor	8	0.18	8	0.07	14	0.01	14	0.00
Inhalation rate	5	0.60	5	0.28	5	0.51	5	0.17
Soil ingestion	7	-0.19	7	-0.07	9	-0.12	9	-0.03
Thickness of Unsaturated zone 2	11	0.11	11	0.04	7	0.15	7	0.05
Thickness of contaminated zone	2	0.77	2	0.46	1	0.90	1	0.58
Aquatic food	14	-0.02	14	-0.01	10	-0.10	10	-0.03
Depth of soil mixing layer	3	-0.71	3	-0.39	2	-0.85	2	-0.48
Mass loading for inhalation	1	0.80	1	0.51	4	0.82	4	0.41
Indoor time fraction	4	0.69	4	0.36	3	0.82	3	0.41
R-SQUARE		0.86		0.86		0.92		0.92

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

Coefficients for peak Inhalation Particles Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	13	0.01	13	0.00	13	0.03	13	0.01
Thickness of Unsaturted zone 1	8	-0.09	8	-0.04	6	-0.23	6	-0.07
Runoff coefficient	9	0.07	9	0.03	12	0.07	12	0.02
Wind Speed	10	-0.05	10	-0.03	9	-0.16	9	-0.05
Well pump intake depth	12	0.03	12	0.01	11	-0.08	11	-0.02
External gamma shielding factor	7	-0.12	7	-0.06	8	-0.18	8	-0.06
Inhalation rate	5	0.51	5	0.29	5	0.62	5	0.24
Soil ingestion	11	-0.04	11	-0.02	7	-0.21	7	-0.06
Thickness of Unsaturated zone 2	6	0.25	6	0.12	10	0.12	10	0.04
Thickness of contaminated zone	3	0.63	3	0.40	1	0.86	1	0.51
Aquatic food	14	0.00	14	0.00	14	-0.01	14	0.00
Depth of soil mixing layer	2	-0.65	2	-0.42	2	-0.84	2	-0.47
Mass loading for inhalation	4	0.60	4	0.36	3	0.83	3	0.45
Indoor time fraction	1	0.69	1	0.46	4	0.77	4	0.37
R-SQUARE		0.77		0.77		0.91		0.91

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.76	1	-0.65	1	-0.93	1	-0.68
Thickness of Unsaturted zone 1	3	0.16	3	0.09	9	-0.05	9	-0.01
Runoff coefficient	8	-0.08	8	-0.05	4	0.11	4	0.03
Wind Speed	5	0.13	5	0.08	6	0.08	6	0.02
Well pump intake depth	7	-0.10	7	-0.05	8	-0.06	8	-0.02
External gamma shielding factor	12	-0.02	11	-0.01	13	-0.01	13	0.00
Inhalation rate	6	-0.12	6	-0.07	7	-0.08	7	-0.02
Soil ingestion	11	-0.02	12	-0.01	3	-0.24	3	-0.07
Thickness of Unsaturated zone 2	13	-0.01	13	-0.01	14	0.01	14	0.00
Thickness of contaminated zone	2	0.65	2	0.48	2	0.92	2	0.66
Aquatic food	4	-0.13	4	-0.08	5	-0.09	5	-0.02
Depth of soil mixing layer	9	-0.07	9	-0.04	10	-0.04	10	-0.01
Mass loading for inhalation	10	-0.05	10	-0.03	12	0.02	12	0.01
Indoor time fraction	14	0.00	14	0.00	11	-0.03	11	-0.01
R-SQUARE		0.69		0.69		0.93		0.93

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.73	1	-0.63	2	-0.93	1	-0.67
Thickness of Unsaturted zone 1	3	0.18	3	0.11	13	-0.05	13	-0.01
Runoff coefficient	14	0.00	14	0.00	4	-0.14	4	-0.04
Wind Speed	12	0.03	12	0.02	5	0.13	5	0.03
Well pump intake depth	5	0.16	5	0.10	14	0.00	14	0.00
External gamma shielding factor	4	0.18	4	0.11	3	-0.22	3	-0.06
Inhalation rate	9	0.06	9	0.04	7	-0.09	7	-0.02
Soil ingestion	11	-0.05	11	-0.03	12	-0.05	12	-0.01
Thickness of Unsaturated zone 2	8	-0.08	8	-0.05	8	-0.07	8	-0.02
Thickness of contaminated zone	2	0.62	2	0.47	1	0.93	2	0.67
Aquatic food	6	-0.11	6	-0.07	11	-0.05	11	-0.01
Depth of soil mixing layer	13	-0.02	13	-0.01	6	-0.10	6	-0.03
Mass loading for inhalation	10	0.06	10	0.04	10	0.05	10	0.01
Indoor time fraction	7	0.09	7	0.06	9	-0.06	9	-0.02
R-SQUARE		0.65		0.65		0.93		0.93

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

Coefficients for peak Plant (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.70	1	-0.58	1	-0.93	1	-0.73
Thickness of Unsaturted zone 1	14	-0.02	14	-0.01	14	0.01	14	0.00
Runoff coefficient	13	-0.03	13	-0.02	13	0.01	13	0.00
Wind Speed	8	0.07	8	0.04	8	0.08	8	0.02
Well pump intake depth	7	-0.11	7	-0.07	12	-0.05	12	-0.01
External gamma shielding factor	4	0.19	3	0.12	11	0.05	11	0.01
Inhalation rate	6	-0.16	6	-0.10	6	0.10	6	0.03
Soil ingestion	5	0.16	5	0.10	3	-0.17	3	-0.05
Thickness of Unsaturated zone 2	10	-0.06	10	-0.04	7	-0.10	7	-0.03
Thickness of contaminated zone	2	0.65	2	0.51	2	0.92	2	0.66
Aquatic food	3	0.19	4	0.12	10	0.06	10	0.02
Depth of soil mixing layer	11	0.04	11	0.02	5	0.12	5	0.03
Mass loading for inhalation	9	0.06	9	0.04	4	0.13	4	0.03

Indoor time fraction	12 -0.03	12 -0.02	9 -0.06	9 -0.02
R-SQUARE	0.64	0.64	0.92	0.92

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.56	3	-0.26	3	-0.59	3	-0.23
Thickness of Unsaturted zone 1	8	0.08	8	0.03	11	0.02	11	0.01
Runoff coefficient	12	0.03	12	0.01	5	0.13	5	0.04
Wind Speed	5	0.11	5	0.04	12	0.01	12	0.00
Well pump intake depth	6	-0.11	6	-0.04	8	-0.06	8	-0.02
External gamma shielding factor	9	0.07	9	0.03	10	0.03	10	0.01
Inhalation rate	4	-0.11	4	-0.04	7	-0.09	7	-0.03
Soil ingestion	11	0.05	11	0.02	13	0.01	13	0.00
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	14	0.01	14	0.00
Thickness of contaminated zone	1	0.88	1	0.70	1	0.92	1	0.73
Aquatic food	10	-0.05	10	-0.02	6	-0.13	6	-0.04
Depth of soil mixing layer	2	-0.80	2	-0.52	2	-0.87	2	-0.55
Mass loading for inhalation	14	0.00	14	0.00	9	0.05	9	0.02
Indoor time fraction	7	-0.09	7	-0.03	4	-0.20	4	-0.06
R-SQUARE		0.85		0.85		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 Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.64	3	-0.32	3	-0.65	3	-0.25
Thickness of Unsaturted zone 1	5	0.15	5	0.06	8	0.08	8	0.02
Runoff coefficient	11	-0.06	11	-0.02	7	-0.08	7	-0.02
Wind Speed	9	0.08	9	0.03	14	-0.02	14	0.00
Well pump intake depth	10	0.07	10	0.03	9	0.07	9	0.02
External gamma shielding factor	4	0.20	4	0.08	13	0.02	13	0.01
Inhalation rate	12	-0.02	12	-0.01	5	-0.10	5	-0.03
Soil ingestion	7	-0.14	7	-0.06	6	-0.09	6	-0.03
Thickness of Unsaturated zone 2	14	0.00	14	0.00	12	-0.03	12	-0.01
Thickness of contaminated zone	1	0.89	1	0.73	1	0.94	1	0.79
Aquatic food	13	-0.02	13	-0.01	11	-0.03	11	-0.01
Depth of soil mixing layer	2	-0.76	2	-0.45	2	-0.87	2	-0.50
Mass loading for inhalation	6	0.15	6	0.06	10	0.07	10	0.02
Indoor time fraction	8	0.10	8	0.04	4	0.11	4	0.03
R-SQUARE		0.86		0.86		0.92		0.92

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

Coefficients for peak Meat (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.56	3	-0.27	3	-0.58	3	-0.22
Thickness of Unsaturted zone 1	12	-0.03	12	-0.01	8	-0.06	8	-0.02
Runoff coefficient	11	-0.05	11	-0.02	9	0.05	9	0.02
Wind Speed	9	0.07	9	0.03	4	0.23	4	0.07
Well pump intake depth	5	-0.13	4	-0.05	5	-0.19	5	-0.06
External gamma shielding factor	10	0.06	10	0.02	13	0.00	13	0.00
Inhalation rate	4	-0.13	5	-0.05	12	-0.03	12	-0.01
Soil ingestion	7	0.09	8	0.03	11	-0.04	11	-0.01
Thickness of Unsaturated zone 2	13	-0.01	13	0.00	10	0.04	10	0.01
Thickness of contaminated zone	1	0.88	1	0.73	1	0.93	1	0.77
Aquatic food	6	0.12	6	0.05	7	0.08	7	0.03
Depth of soil mixing layer	2	-0.77	2	-0.48	2	-0.87	2	-0.55
Mass loading for inhalation	14	0.00	14	0.00	14	0.00	14	0.00
Indoor time fraction	8	0.09	7	0.03	6	0.12	6	0.04
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 Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.58	3	-0.28	3	-0.61	3	-0.24
Thickness of Unsaturted zone 1	7	0.09	7	0.03	12	0.01	12	0.00
Runoff coefficient	12	0.03	12	0.01	6	0.14	6	0.04
Wind Speed	5	0.11	5	0.04	14	0.00	14	0.00
Well pump intake depth	6	-0.11	6	-0.04	8	-0.06	8	-0.02
External gamma shielding factor	9	0.06	9	0.03	10	0.04	10	0.01
Inhalation rate	4	-0.11	4	-0.04	7	-0.11	7	-0.03
Soil ingestion	11	0.05	11	0.02	13	-0.01	13	0.00
Thickness of Unsaturated zone 2	13	-0.02	13	-0.01	11	0.02	11	0.01
Thickness of contaminated zone	1	0.87	1	0.70	1	0.92	1	0.73
Aquatic food	10	-0.06	10	-0.02	5	-0.15	5	-0.05
Depth of soil mixing layer	2	-0.79	2	-0.50	2	-0.86	2	-0.54
Mass loading for inhalation	14	0.00	14	0.00	9	0.05	9	0.02
Indoor time fraction	8	-0.08	8	-0.03	4	-0.18	4	-0.06
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 Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.65	3	-0.34	3	-0.66	3	-0.25
Thickness of Unsaturted zone 1	5	0.15	5	0.06	8	0.08	8	0.02
Runoff coefficient	11	-0.06	11	-0.02	7	-0.08	7	-0.02
Wind Speed	10	0.08	10	0.03	14	-0.01	14	0.00
Well pump intake depth	9	0.08	9	0.03	10	0.06	10	0.02
External gamma shielding factor	4	0.21	4	0.08	12	0.03	12	0.01
Inhalation rate	13	-0.02	13	-0.01	5	-0.10	5	-0.03
Soil ingestion	7	-0.14	7	-0.05	6	-0.09	6	-0.03
Thickness of Unsaturated zone 2	14	0.00	14	0.00	11	-0.04	11	-0.01
Thickness of contaminated zone	1	0.88	1	0.73	1	0.94	1	0.79
Aquatic food	12	-0.03	12	-0.01	13	-0.02	13	-0.01
Depth of soil mixing layer	2	-0.74	2	-0.43	2	-0.86	2	-0.49
Mass loading for inhalation	6	0.14	6	0.06	9	0.07	9	0.02
Indoor time fraction	8	0.10	8	0.04	4	0.11	4	0.03
R-SQUARE		0.85		0.85		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 Milk (WaterInd.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	3	-0.58	3	-0.29	3	-0.59	3	-0.23
Thickness of Unsaturted zone 1	12	-0.03	12	-0.01	8	-0.07	8	-0.02
Runoff coefficient	11	-0.04	11	-0.02	9	0.06	9	0.02
Wind Speed	9	0.08	9	0.03	4	0.23	4	0.07
Well pump intake depth	5	-0.13	5	-0.05	5	-0.18	5	-0.06
External gamma shielding factor	10	0.07	10	0.03	14	0.01	14	0.00
Inhalation rate	4	-0.13	4	-0.05	12	-0.02	12	-0.01
Soil ingestion	7	0.09	7	0.04	10	-0.04	10	-0.01
Thickness of Unsaturated zone 2	13	-0.01	13	0.00	11	0.03	11	0.01
Thickness of contaminated zone	1	0.87	1	0.73	1	0.93	1	0.77
Aquatic food	6	0.12	6	0.05	7	0.08	7	0.03
Depth of soil mixing layer	2	-0.75	2	-0.46	2	-0.87	2	-0.54
Mass loading for inhalation	14	0.00	14	0.00	13	0.01	13	0.00
Indoor time fraction	8	0.08	8	0.03	6	0.11	6	0.04
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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	0.04	9	0.02	7	0.12	7	0.04
Thickness of Unsaturted zone 1	11	-0.01	11	-0.01	8	-0.10	8	-0.03
Runoff coefficient	6	0.07	6	0.03	5	0.17	5	0.06
Wind Speed	5	0.12	5	0.06	10	0.06	10	0.02
Well pump intake depth	8	-0.05	8	-0.02	11	-0.06	11	-0.02
External gamma shielding factor	7	-0.05	7	-0.03	6	0.13	6	0.05
Inhalation rate	14	-0.01	14	0.00	9	-0.06	9	-0.02
Soil ingestion	2	0.71	2	0.50	3	0.80	3	0.46
Thickness of Unsaturated zone 2	10	0.02	10	0.01	13	0.01	13	0.00
Thickness of contaminated zone	3	0.57	3	0.34	2	0.81	2	0.47
Aquatic food	12	0.01	12	0.01	12	0.02	12	0.01
Depth of soil mixing layer	4	-0.56	4	-0.34	4	-0.77	4	-0.42
Mass loading for inhalation	13	-0.01	13	0.00	14	0.00	14	0.00
Indoor time fraction	1	0.73	1	0.53	1	0.83	1	0.51
R-SQUARE		0.76		0.76		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 Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	11	0.06	11	0.03	6	0.24	6	0.07
Thickness of Unsaturted zone 1	13	0.04	13	0.02	10	-0.09	10	-0.03
Runoff coefficient	12	-0.05	12	-0.02	11	0.02	11	0.01
Wind Speed	5	0.15	5	0.08	13	-0.02	13	0.00
Well pump intake depth	7	-0.11	7	-0.05	12	0.02	12	0.01
External gamma shielding factor	6	0.11	6	0.06	7	-0.22	7	-0.06
Inhalation rate	8	0.09	8	0.05	8	-0.20	8	-0.06
Soil ingestion	4	0.56	4	0.35	3	0.82	3	0.41
Thickness of Unsaturated zone 2	10	0.07	10	0.03	14	0.01	14	0.00
Thickness of contaminated zone	3	0.58	3	0.37	2	0.88	2	0.52
Aquatic food	14	0.02	14	0.01	5	-0.31	5	-0.09
Depth of soil mixing layer	2	-0.58	2	-0.37	4	-0.80	4	-0.38
Mass loading for inhalation	9	-0.07	9	-0.03	9	-0.13	9	-0.04
Indoor time fraction	1	0.73	1	0.55	1	0.89	1	0.56
R-SQUARE		0.73		0.73		0.92		0.92

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

Coefficients for peak Soil Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	0.05	10	0.02	5	-0.15	5	-0.05
Thickness of Unsaturted zone 1	11	-0.04	11	-0.02	13	-0.01	13	0.00
Runoff coefficient	6	0.09	6	0.05	7	0.09	7	0.03
Wind Speed	8	0.07	8	0.04	6	0.09	6	0.03
Well pump intake depth	7	0.08	7	0.04	14	-0.01	14	0.00
External gamma shielding factor	13	0.01	13	0.00	10	-0.03	10	-0.01
Inhalation rate	14	-0.01	14	0.00	12	0.01	12	0.00
Soil ingestion	2	0.60	2	0.38	2	0.79	2	0.43
Thickness of Unsaturated zone 2	5	0.10	5	0.05	8	0.07	8	0.02
Thickness of contaminated zone	4	0.56	4	0.34	3	0.78	3	0.42
Aquatic food	9	-0.06	9	-0.03	11	-0.01	11	0.00
Depth of soil mixing layer	3	-0.59	3	-0.37	4	-0.78	4	-0.41
Mass loading for inhalation	12	0.01	12	0.01	9	-0.04	9	-0.01
Indoor time fraction	1	0.76	1	0.59	1	0.87	1	0.59
R-SQUARE		0.75		0.75		0.89		0.89

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	14	-0.01	14	-0.01	8	-0.12	8	-0.06
Thickness of Unsaturted zone 1	5	-0.21	5	-0.13	3	-0.34	3	-0.18
Runoff coefficient	1	-0.68	1	-0.54	1	-0.81	1	-0.67
Wind Speed	7	-0.13	7	-0.08	12	-0.05	12	-0.03
Well pump intake depth	4	-0.42	4	-0.28	5	-0.27	5	-0.13
External gamma shielding factor	11	0.07	11	0.04	9	0.11	9	0.05
Inhalation rate	6	-0.17	6	-0.10	6	-0.15	6	-0.08
Soil ingestion	10	-0.08	10	-0.05	7	-0.13	7	-0.07
Thickness of Unsaturated zone 2	3	-0.51	3	-0.35	2	-0.71	2	-0.48
Thickness of contaminated zone	2	0.53	2	0.36	4	0.29	4	0.15
Aquatic food	12	0.02	12	0.01	11	-0.07	11	-0.04
Depth of soil mixing layer	9	0.10	9	0.06	10	0.09	10	0.05
Mass loading for inhalation	13	0.01	13	0.01	13	0.04	13	0.02
Indoor time fraction	8	-0.12	8	-0.07	14	0.00	14	0.00
R-SQUARE		0.65		0.65		0.77		0.77

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.14	9	-0.08	10	-0.14	10	-0.07
Thickness of Unsaturted zone 1	10	-0.13	10	-0.08	9	-0.15	9	-0.08
Runoff coefficient	1	-0.66	1	-0.49	1	-0.74	1	-0.57
Wind Speed	13	-0.03	13	-0.02	13	-0.08	13	-0.04
Well pump intake depth	4	-0.43	4	-0.27	4	-0.29	4	-0.16
External gamma shielding factor	14	0.00	14	0.00	14	0.07	14	0.04
Inhalation rate	7	-0.19	7	-0.11	6	-0.22	6	-0.12
Soil ingestion	8	0.15	8	0.09	12	0.12	12	0.06
Thickness of Unsaturated zone 2	2	-0.59	2	-0.42	2	-0.69	2	-0.49
Thickness of contaminated zone	3	0.52	3	0.35	3	0.39	3	0.22
Aquatic food	12	0.07	12	0.04	11	0.13	11	0.07
Depth of soil mixing layer	6	0.20	6	0.11	8	0.19	8	0.10
Mass loading for inhalation	11	0.12	11	0.07	7	0.19	7	0.10
Indoor time fraction	5	-0.27	5	-0.16	5	-0.26	5	-0.14
R-SQUARE		0.68		0.68		0.74		0.74

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

Coefficients for peak Water Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	-0.11	10	-0.06	9	-0.10	9	-0.05
Thickness of Unsaturted zone 1	5	-0.30	5	-0.17	4	-0.33	4	-0.17
Runoff coefficient	1	-0.69	1	-0.53	1	-0.77	1	-0.60
Wind Speed	8	-0.13	8	-0.07	12	-0.03	12	-0.02
Well pump intake depth	6	-0.26	6	-0.15	8	-0.12	8	-0.06
External gamma shielding factor	14	-0.03	14	-0.02	10	-0.10	10	-0.05
Inhalation rate	13	-0.03	13	-0.02	11	0.05	11	0.02
Soil ingestion	12	-0.07	12	-0.04	7	-0.15	7	-0.08
Thickness of Unsaturated zone 2	2	-0.57	2	-0.39	2	-0.73	2	-0.53
Thickness of contaminated zone	3	0.52	3	0.34	3	0.35	3	0.19
Aquatic food	7	0.20	7	0.11	6	0.26	6	0.13
Depth of soil mixing layer	4	-0.32	4	-0.19	5	-0.26	5	-0.14
Mass loading for inhalation	9	-0.11	9	-0.06	14	-0.01	14	-0.01
Indoor time fraction	11	-0.09	11	-0.05	13	0.02	13	0.01
R-SQUARE		0.69		0.69		0.75		0.75

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	12	0.02	12	0.01	8	-0.15	8	-0.08
Thickness of Unsaturted zone 1	6	-0.17	6	-0.11	3	-0.35	3	-0.19
Runoff coefficient	1	-0.58	1	-0.46	1	-0.78	1	-0.64
Wind Speed	9	-0.13	9	-0.09	10	-0.13	10	-0.07
Well pump intake depth	4	-0.39	4	-0.27	5	-0.20	5	-0.11
External gamma shielding factor	11	0.08	11	0.05	12	0.09	12	0.04
Inhalation rate	7	-0.15	7	-0.10	7	-0.16	7	-0.08
Soil ingestion	13	0.01	13	0.01	11	-0.09	11	-0.05
Thickness of Unsaturated zone 2	3	-0.42	3	-0.30	2	-0.68	2	-0.48
Thickness of contaminated zone	2	0.45	2	0.33	4	0.23	4	0.12
Aquatic food	5	0.36	5	0.25	6	0.19	6	0.10
Depth of soil mixing layer	8	0.15	8	0.10	9	0.14	9	0.07
Mass loading for inhalation	14	0.01	14	0.00	13	0.03	13	0.02
Indoor time fraction	10	-0.13	10	-0.09	14	0.01	14	0.00
R-SQUARE		0.58		0.58		0.74		0.74

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	12	-0.05	12	-0.03	10	-0.13	10	-0.07
Thickness of Unsaturted zone 1	8	-0.21	8	-0.13	9	-0.16	9	-0.09
Runoff coefficient	1	-0.53	1	-0.39	1	-0.74	1	-0.57
Wind Speed	14	-0.02	14	-0.01	14	-0.04	14	-0.02
Well pump intake depth	5	-0.39	5	-0.26	6	-0.25	6	-0.13
External gamma shielding factor	10	0.10	10	0.06	12	0.11	12	0.06
Inhalation rate	11	-0.08	11	-0.05	8	-0.19	8	-0.10
Soil ingestion	13	0.05	13	0.03	13	0.10	13	0.05
Thickness of Unsaturated zone 2	3	-0.43	3	-0.29	2	-0.65	2	-0.45
Thickness of contaminated zone	4	0.42	4	0.28	4	0.30	4	0.16
Aquatic food	2	0.50	2	0.35	3	0.39	3	0.23
Depth of soil mixing layer	9	0.14	9	0.09	11	0.12	11	0.06
Mass loading for inhalation	7	0.24	7	0.15	7	0.22	7	0.12
Indoor time fraction	6	-0.30	6	-0.19	5	-0.28	5	-0.16
R-SQUARE		0.63		0.63		0.73		0.73

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

Coefficients for peak Fish Ingestion Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	13	-0.01	13	-0.01	10	-0.06	10	-0.03
Thickness of Unsaturted zone 1	7	-0.23	7	-0.14	4	-0.31	4	-0.16
Runoff coefficient	1	-0.67	1	-0.52	1	-0.78	1	-0.61
Wind Speed	12	-0.02	12	-0.01	14	0.03	14	0.02
Well pump intake depth	6	-0.23	5	-0.14	8	-0.09	8	-0.04
External gamma shielding factor	14	-0.01	14	-0.01	9	-0.07	9	-0.04
Inhalation rate	11	0.03	11	0.01	11	0.06	11	0.03
Soil ingestion	10	-0.07	10	-0.04	7	-0.17	7	-0.08
Thickness of Unsaturated zone 2	2	-0.52	2	-0.36	2	-0.72	2	-0.52
Thickness of contaminated zone	4	0.48	4	0.31	5	0.29	5	0.15
Aquatic food	3	0.49	3	0.32	3	0.45	3	0.25
Depth of soil mixing layer	5	-0.23	6	-0.14	6	-0.21	6	-0.11
Mass loading for inhalation	8	-0.17	8	-0.10	13	-0.04	13	-0.02
Indoor time fraction	9	-0.07	9	-0.04	12	0.04	12	0.02
R-SQUARE		0.67		0.67		0.76		0.76

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Radon (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturted zone 1	0	0.00	0	0.00	0	0.00	0	0.00
Runoff coefficient	0	0.00	0	0.00	0	0.00	0	0.00
Wind Speed	0	0.00	0	0.00	0	0.00	0	0.00
Well pump intake depth	0	0.00	0	0.00	0	0.00	0	0.00
External gamma shielding factor	0	0.00	0	0.00	0	0.00	0	0.00
Inhalation rate	0	0.00	0	0.00	0	0.00	0	0.00
Soil ingestion	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of Unsaturated zone 2	0	0.00	0	0.00	0	0.00	0	0.00
Thickness of contaminated zone	0	0.00	0	0.00	0	0.00	0	0.00
Aquatic food	0	0.00	0	0.00	0	0.00	0	0.00
Depth of soil mixing layer	0	0.00	0	0.00	0	0.00	0	0.00
Mass loading for inhalation	0	0.00	0	0.00	0	0.00	0	0.00
Indoor time fraction	0	0.00	0	0.00	0	0.00	0	0.00
R-SQUARE		0.00		0.00		0.00		0.00

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	14	-0.01	14	-0.01	8	-0.12	8	-0.06
Thickness of Unsaturted zone 1	5	-0.21	5	-0.12	3	-0.34	3	-0.18
Runoff coefficient	1	-0.68	1	-0.54	1	-0.81	1	-0.67
Wind Speed	7	-0.13	7	-0.08	12	-0.05	12	-0.03
Well pump intake depth	4	-0.42	4	-0.28	5	-0.27	5	-0.13
External gamma shielding factor	11	0.07	11	0.04	9	0.11	9	0.05
Inhalation rate	6	-0.17	6	-0.10	6	-0.15	6	-0.08
Soil ingestion	10	-0.08	10	-0.05	7	-0.13	7	-0.07
Thickness of Unsaturated zone 2	3	-0.51	3	-0.35	2	-0.71	2	-0.48
Thickness of contaminated zone	2	0.53	2	0.36	4	0.29	4	0.15
Aquatic food	12	0.02	12	0.01	11	-0.07	11	-0.04
Depth of soil mixing layer	9	0.10	9	0.06	10	0.09	10	0.05
Mass loading for inhalation	13	0.01	13	0.01	13	0.04	13	0.02
Indoor time fraction	8	-0.12	8	-0.07	14	0.00	14	0.00
R-SQUARE		0.65		0.65		0.77		0.77

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.14	9	-0.08	10	-0.14	10	-0.07
Thickness of Unsaturted zone 1	10	-0.13	10	-0.08	9	-0.15	9	-0.08
Runoff coefficient	1	-0.66	1	-0.49	1	-0.74	1	-0.57
Wind Speed	13	-0.03	13	-0.02	13	-0.08	13	-0.04
Well pump intake depth	4	-0.43	4	-0.27	4	-0.29	4	-0.16
External gamma shielding factor	14	0.00	14	0.00	14	0.07	14	0.04
Inhalation rate	7	-0.19	7	-0.11	6	-0.22	6	-0.12
Soil ingestion	8	0.15	8	0.09	12	0.12	12	0.06
Thickness of Unsaturated zone 2	2	-0.59	2	-0.42	2	-0.69	2	-0.49
Thickness of contaminated zone	3	0.52	3	0.34	3	0.39	3	0.22
Aquatic food	12	0.07	12	0.04	11	0.13	11	0.07
Depth of soil mixing layer	6	0.20	6	0.11	8	0.19	8	0.10
Mass loading for inhalation	11	0.12	11	0.07	7	0.19	7	0.10
Indoor time fraction	5	-0.27	5	-0.16	5	-0.26	5	-0.14
R-SQUARE		0.68		0.68		0.74		0.74

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

Coefficients for peak Plant (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	-0.11	10	-0.06	9	-0.10	9	-0.05
Thickness of Unsaturted zone 1	5	-0.30	5	-0.17	4	-0.33	4	-0.17
Runoff coefficient	1	-0.69	1	-0.53	1	-0.77	1	-0.60
Wind Speed	8	-0.13	8	-0.07	12	-0.03	12	-0.02
Well pump intake depth	6	-0.26	6	-0.15	8	-0.12	8	-0.06
External gamma shielding factor	14	-0.03	14	-0.02	10	-0.10	10	-0.05
Inhalation rate	13	-0.03	13	-0.02	11	0.05	11	0.02
Soil ingestion	12	-0.07	12	-0.04	7	-0.15	7	-0.08
Thickness of Unsaturated zone 2	2	-0.57	2	-0.39	2	-0.73	2	-0.53
Thickness of contaminated zone	3	0.52	3	0.34	3	0.35	3	0.19
Aquatic food	7	0.20	7	0.11	6	0.26	6	0.13
Depth of soil mixing layer	4	-0.32	4	-0.19	5	-0.26	5	-0.14
Mass loading for inhalation	9	-0.11	9	-0.06	14	-0.01	14	-0.01
Indoor time fraction	11	-0.09	11	-0.05	13	0.02	13	0.01
R-SQUARE		0.69		0.69		0.75		0.75

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	13	-0.01	13	-0.01	8	-0.12	8	-0.06
Thickness of Unsaturted zone 1	5	-0.21	5	-0.13	3	-0.34	3	-0.18
Runoff coefficient	1	-0.68	1	-0.54	1	-0.81	1	-0.67
Wind Speed	7	-0.13	7	-0.08	12	-0.06	12	-0.03
Well pump intake depth	4	-0.43	4	-0.28	5	-0.27	5	-0.14
External gamma shielding factor	11	0.07	11	0.04	9	0.11	9	0.05
Inhalation rate	6	-0.17	6	-0.10	6	-0.15	6	-0.07
Soil ingestion	10	-0.08	10	-0.05	7	-0.14	7	-0.07
Thickness of Unsaturated zone 2	3	-0.51	3	-0.35	2	-0.71	2	-0.48
Thickness of contaminated zone	2	0.53	2	0.37	4	0.29	4	0.15
Aquatic food	12	0.02	12	0.01	11	-0.07	11	-0.04
Depth of soil mixing layer	9	0.10	9	0.06	10	0.09	10	0.05
Mass loading for inhalation	14	0.01	14	0.01	13	0.04	13	0.02
Indoor time fraction	8	-0.12	8	-0.07	14	0.00	14	0.00
R-SQUARE		0.65		0.65		0.77		0.77

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.14	9	-0.08	10	-0.14	10	-0.07
Thickness of Unsaturted zone 1	10	-0.13	10	-0.08	9	-0.15	9	-0.08
Runoff coefficient	1	-0.66	1	-0.49	1	-0.74	1	-0.57
Wind Speed	13	-0.03	13	-0.02	13	-0.08	13	-0.04
Well pump intake depth	4	-0.43	4	-0.27	4	-0.29	4	-0.16
External gamma shielding factor	14	0.00	14	0.00	14	0.07	14	0.04
Inhalation rate	7	-0.19	7	-0.11	6	-0.22	6	-0.12
Soil ingestion	8	0.15	8	0.09	12	0.12	12	0.06
Thickness of Unsaturated zone 2	2	-0.59	2	-0.42	2	-0.69	2	-0.49
Thickness of contaminated zone	3	0.52	3	0.35	3	0.39	3	0.22
Aquatic food	12	0.07	12	0.04	11	0.13	11	0.07
Depth of soil mixing layer	6	0.20	6	0.11	8	0.19	8	0.10
Mass loading for inhalation	11	0.12	11	0.07	7	0.19	7	0.10
Indoor time fraction	5	-0.27	5	-0.16	5	-0.26	5	-0.14
R-SQUARE		0.68		0.68		0.74		0.74

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

Coefficients for peak Meat (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	10	-0.11	10	-0.06	9	-0.10	9	-0.05
Thickness of Unsaturted zone 1	5	-0.30	5	-0.17	4	-0.33	4	-0.17
Runoff coefficient	1	-0.69	1	-0.53	1	-0.77	1	-0.60
Wind Speed	8	-0.13	8	-0.07	12	-0.03	12	-0.02
Well pump intake depth	6	-0.26	6	-0.15	8	-0.12	8	-0.06
External gamma shielding factor	14	-0.03	14	-0.02	10	-0.10	10	-0.05
Inhalation rate	13	-0.03	13	-0.02	11	0.05	11	0.02
Soil ingestion	12	-0.07	12	-0.04	7	-0.15	7	-0.08
Thickness of Unsaturated zone 2	2	-0.57	2	-0.39	2	-0.73	2	-0.53
Thickness of contaminated zone	3	0.52	3	0.34	3	0.35	3	0.19
Aquatic food	7	0.20	7	0.11	6	0.26	6	0.13
Depth of soil mixing layer	4	-0.32	4	-0.19	5	-0.26	5	-0.14
Mass loading for inhalation	9	-0.11	9	-0.06	14	-0.01	14	-0.01
Indoor time fraction	11	-0.09	11	-0.05	13	0.02	13	0.01
R-SQUARE		0.69		0.69		0.75		0.75

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	13	-0.02	13	-0.01	8	-0.12	8	-0.06
Thickness of Unsaturted zone 1	5	-0.21	5	-0.13	3	-0.34	3	-0.18
Runoff coefficient	1	-0.68	1	-0.54	1	-0.81	1	-0.67
Wind Speed	7	-0.14	7	-0.08	12	-0.06	12	-0.03
Well pump intake depth	4	-0.43	4	-0.28	5	-0.28	5	-0.14
External gamma shielding factor	11	0.07	11	0.04	9	0.10	9	0.05
Inhalation rate	6	-0.17	6	-0.10	6	-0.15	6	-0.07
Soil ingestion	10	-0.08	10	-0.05	7	-0.14	7	-0.07
Thickness of Unsaturated zone 2	3	-0.52	3	-0.35	2	-0.71	2	-0.48
Thickness of contaminated zone	2	0.53	2	0.37	4	0.30	4	0.15
Aquatic food	12	0.02	12	0.01	11	-0.07	11	-0.03
Depth of soil mixing layer	9	0.10	9	0.06	10	0.10	10	0.05
Mass loading for inhalation	14	0.01	14	0.01	13	0.03	13	0.02
Indoor time fraction	8	-0.12	8	-0.07	14	0.00	14	0.00
R-SQUARE		0.66		0.66		0.77		0.77

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.14	9	-0.08	9	-0.14	9	-0.08
Thickness of Unsaturted zone 1	10	-0.13	10	-0.08	10	-0.14	10	-0.07
Runoff coefficient	1	-0.66	1	-0.49	1	-0.74	1	-0.57
Wind Speed	13	-0.03	13	-0.02	14	-0.07	14	-0.04
Well pump intake depth	4	-0.43	4	-0.27	4	-0.29	4	-0.16
External gamma shielding factor	14	0.00	14	0.00	13	0.08	13	0.04
Inhalation rate	7	-0.19	7	-0.11	6	-0.22	6	-0.12
Soil ingestion	8	0.15	8	0.09	12	0.12	12	0.06
Thickness of Unsaturated zone 2	2	-0.59	2	-0.42	2	-0.68	2	-0.49
Thickness of contaminated zone	3	0.52	3	0.35	3	0.39	3	0.22
Aquatic food	12	0.07	12	0.04	11	0.13	11	0.07
Depth of soil mixing layer	6	0.20	6	0.11	8	0.19	7	0.10
Mass loading for inhalation	11	0.12	11	0.07	7	0.19	8	0.10
Indoor time fraction	5	-0.27	5	-0.16	5	-0.26	5	-0.14
R-SQUARE		0.68		0.68		0.73		0.73

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

Coefficients for peak Milk (WaterDep.) Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	9	-0.11	9	-0.06	9	-0.10	9	-0.05
Thickness of Unsaturted zone 1	5	-0.30	5	-0.17	4	-0.33	4	-0.17
Runoff coefficient	1	-0.69	1	-0.53	1	-0.77	1	-0.60
Wind Speed	8	-0.13	8	-0.07	12	-0.03	12	-0.01
Well pump intake depth	6	-0.26	6	-0.15	8	-0.12	8	-0.06
External gamma shielding factor	14	-0.03	14	-0.02	10	-0.10	10	-0.05
Inhalation rate	13	-0.03	13	-0.02	11	0.05	11	0.02
Soil ingestion	12	-0.07	12	-0.04	7	-0.15	7	-0.08
Thickness of Unsaturated zone 2	2	-0.57	2	-0.39	2	-0.73	2	-0.53
Thickness of contaminated zone	3	0.52	3	0.34	3	0.35	3	0.19
Aquatic food	7	0.20	7	0.11	6	0.26	6	0.13
Depth of soil mixing layer	4	-0.32	4	-0.19	5	-0.26	5	-0.14
Mass loading for inhalation	10	-0.11	10	-0.06	14	-0.01	14	-0.01
Indoor time fraction	11	-0.09	11	-0.05	13	0.02	13	0.01
R-SQUARE		0.69		0.69		0.75		0.75

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

Coefficients for peak Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.74	1	-0.58	2	-0.86	2	-0.56
Thickness of Unsaturted zone 1	4	0.15	4	0.08	7	-0.06	7	-0.02
Runoff coefficient	9	-0.06	9	-0.03	4	0.13	4	0.04
Wind Speed	5	0.14	5	0.07	8	0.05	8	0.02
Well pump intake depth	8	-0.10	8	-0.05	9	-0.04	9	-0.01
External gamma shielding factor	14	-0.01	14	0.00	12	-0.02	12	-0.01
Inhalation rate	7	-0.12	7	-0.06	13	-0.02	13	-0.01
Soil ingestion	10	0.05	10	0.03	14	-0.01	14	0.00
Thickness of Unsaturated zone 2	13	-0.01	13	-0.01	6	0.07	6	0.02
Thickness of contaminated zone	2	0.73	2	0.56	1	0.90	1	0.70
Aquatic food	6	-0.12	6	-0.06	5	-0.11	5	-0.04
Depth of soil mixing layer	3	-0.30	3	-0.17	3	-0.52	3	-0.21
Mass loading for inhalation	12	-0.04	12	-0.02	11	0.03	11	0.01
Indoor time fraction	11	0.05	11	0.03	10	0.03	10	0.01
R-SQUARE		0.73		0.73		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 Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	1	-0.72	1	-0.58	2	-0.87	2	-0.54
Thickness of Unsaturted zone 1	5	0.18	5	0.10	11	0.02	11	0.01
Runoff coefficient	14	-0.01	14	-0.01	6	-0.11	6	-0.03
Wind Speed	12	0.04	12	0.02	12	-0.01	12	0.00
Well pump intake depth	7	0.14	7	0.08	13	0.00	13	0.00
External gamma shielding factor	4	0.19	4	0.11	4	-0.19	4	-0.06
Inhalation rate	11	0.06	11	0.03	7	-0.08	7	-0.03
Soil ingestion	13	-0.03	13	-0.02	9	0.07	9	0.02
Thickness of Unsaturated zone 2	10	-0.07	10	-0.04	8	-0.08	8	-0.02
Thickness of contaminated zone	2	0.70	2	0.55	1	0.92	1	0.74
Aquatic food	8	-0.10	8	-0.06	10	-0.04	10	-0.01
Depth of soil mixing layer	3	-0.21	3	-0.12	3	-0.61	3	-0.23
Mass loading for inhalation	9	0.07	9	0.04	14	0.00	14	0.00
Indoor time fraction	6	0.15	6	0.09	5	0.12	5	0.04
R-SQUARE		0.69		0.69		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 Pb-210 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	2	-0.69	2	-0.54	2	-0.86	2	-0.57
Thickness of Unsaturted zone 1	14	-0.02	14	-0.01	7	-0.09	7	-0.03
Runoff coefficient	13	-0.03	13	-0.01	8	0.06	8	0.02
Wind Speed	9	0.08	9	0.05	4	0.19	4	0.06
Well pump intake depth	8	-0.11	8	-0.06	10	-0.04	10	-0.01
External gamma shielding factor	5	0.18	5	0.10	14	0.03	14	0.01
Inhalation rate	7	-0.16	7	-0.09	9	0.05	9	0.02
Soil ingestion	3	0.20	3	0.11	12	0.04	12	0.01
Thickness of Unsaturated zone 2	12	-0.05	12	-0.03	11	0.04	11	0.01
Thickness of contaminated zone	1	0.73	1	0.60	1	0.91	1	0.75
Aquatic food	4	0.18	4	0.10	13	0.04	13	0.01
Depth of soil mixing layer	6	-0.18	6	-0.10	3	-0.58	3	-0.23
Mass loading for inhalation	10	0.05	10	0.03	6	0.12	6	0.04
Indoor time fraction	11	0.05	11	0.03	5	0.15	5	0.05
R-SQUARE		0.69		0.69		0.89		0.89

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	1		1		1		1	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.30	4	-0.15	4	-0.39	4	-0.19
Thickness of Unsaturted zone 1	6	0.15	6	0.07	9	0.08	8	0.03
Runoff coefficient	14	0.00	14	0.00	7	-0.08	7	-0.03
Wind Speed	11	0.04	11	0.02	11	-0.03	11	-0.01
Well pump intake depth	5	-0.23	5	-0.11	5	-0.25	5	-0.11
External gamma shielding factor	3	0.46	3	0.24	3	0.41	3	0.20
Inhalation rate	9	0.09	9	0.04	12	0.03	12	0.01
Soil ingestion	12	0.02	12	0.01	13	0.01	13	0.01
Thickness of Unsaturated zone 2	10	-0.07	10	-0.03	10	-0.06	10	-0.02
Thickness of contaminated zone	1	0.82	1	0.66	1	0.85	1	0.72
Aquatic food	8	0.11	8	0.05	14	0.01	14	0.00
Depth of soil mixing layer	13	0.01	13	0.01	8	-0.08	9	-0.03
Mass loading for inhalation	7	-0.13	7	-0.06	6	-0.09	6	-0.04
Indoor time fraction	2	0.74	2	0.50	2	0.72	2	0.45
R-SQUARE		0.79		0.79		0.81		0.81

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	2		2		2		2	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.43	4	-0.23	4	-0.26	4	-0.11
Thickness of Unsaturted zone 1	12	0.03	12	0.02	10	-0.05	10	-0.02
Runoff coefficient	14	-0.02	14	-0.01	9	-0.06	9	-0.03
Wind Speed	7	0.07	7	0.04	13	-0.02	13	-0.01
Well pump intake depth	6	-0.08	6	-0.04	5	-0.13	5	-0.05
External gamma shielding factor	3	0.56	3	0.33	3	0.48	3	0.23
Inhalation rate	8	-0.05	8	-0.03	6	-0.09	6	-0.04
Soil ingestion	11	-0.04	11	-0.02	14	-0.02	14	-0.01
Thickness of Unsaturated zone 2	10	-0.04	10	-0.02	11	-0.04	11	-0.02
Thickness of contaminated zone	1	0.78	1	0.61	1	0.86	1	0.72
Aquatic food	13	-0.03	13	-0.01	8	-0.07	8	-0.03
Depth of soil mixing layer	5	-0.13	5	-0.06	7	-0.08	7	-0.03
Mass loading for inhalation	9	0.05	9	0.02	12	0.03	12	0.01
Indoor time fraction	2	0.71	2	0.49	2	0.76	2	0.49
R-SQUARE		0.77		0.77		0.82		0.82

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

Coefficients for peak Ra-226 Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Depth of roots	4	-0.59	4	-0.28	3	-0.55	3	-0.24
Thickness of Unsaturted zone 1	11	-0.07	11	-0.03	12	0.04	12	0.01
Runoff coefficient	13	0.00	13	0.00	11	-0.07	11	-0.02
Wind Speed	6	0.25	6	0.10	8	0.12	8	0.04
Well pump intake depth	10	-0.08	10	-0.03	10	0.08	10	0.03
External gamma shielding factor	3	0.63	3	0.32	4	0.52	4	0.22
Inhalation rate	14	0.00	14	0.00	14	0.02	14	0.01
Soil ingestion	7	0.10	7	0.04	9	-0.09	9	-0.03
Thickness of Unsaturated zone 2	12	0.03	12	0.01	13	0.03	13	0.01
Thickness of contaminated zone	1	0.87	1	0.68	1	0.89	1	0.71
Aquatic food	5	0.33	5	0.13	5	0.33	5	0.12
Depth of soil mixing layer	9	-0.09	9	-0.03	6	-0.32	6	-0.12
Mass loading for inhalation	8	-0.10	8	-0.04	7	-0.13	7	-0.05
Indoor time fraction	2	0.81	2	0.54	2	0.82	2	0.52
R-SQUARE		0.85		0.85		0.88		0.88

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