

Appendix E

Suburban Resident Scenario

RESRAD 6.0 Output File Reports

➤ **Uranium DCGL**

- Deterministic Module Summary Report (Part I)
- Detailed Pathway Calculations Report (Part II)
- Intake Quantities & Health Risk Factors (Part III)
- Concentrations of Radionuclide Report (Part IV)
- Dose from Radionuclides at Point of Action (Part V)
- Probabilistic (Uncertainty) Analysis Report (Part V)

➤ **Byproduct (Co-60) DCGL**

- Deterministic Module Summary Report (Part I)
- Detailed Pathway Calculations Report (Part II)
- Intake Quantities & Health Risk Factors (Part III)
- Concentrations of Radionuclide Report (Part IV)
- Dose from Radionuclides at Point of Action (Part V)
- Probabilistic (Uncertainty) Analysis Report (Part V)

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Dose Conversion Factor (and Related) Parameter Summary
 File: Default.LIB

| 0 | Menu | Parameter | Current Value | Default | Parameter Name |
|---|------|--|---------------|-----------|----------------|
| | B-1 | Dose conversion factors for inhalation, mrem/pCi: | | | |
| | B-1 | Ac-227+D | 6.720E+00 | 6.720E+00 | DCF2(1) |
| | B-1 | Pa-231 | 1.280E+00 | 1.280E+00 | DCF2(2) |
| | B-1 | Pb-210+D | 2.320E-02 | 2.320E-02 | DCF2(3) |
| | B-1 | Ra-226+D | 8.600E-03 | 8.600E-03 | DCF2(4) |
| | B-1 | Th-230 | 3.260E-01 | 3.260E-01 | DCF2(5) |
| | B-1 | U-234 | 1.320E-01 | 1.320E-01 | DCF2(6) |
| | B-1 | U-235+D | 1.230E-01 | 1.230E-01 | DCF2(7) |
| | B-1 | U-238+D | 1.180E-01 | 1.180E-01 | DCF2(8) |
| | D-1 | Dose conversion factors for ingestion, mrem/pCi: | | | |
| | D-1 | Ac-227+D | 1.480E-02 | 1.480E-02 | DCF3(1) |
| | D-1 | Pa-231 | 1.060E-02 | 1.060E-02 | DCF3(2) |
| | D-1 | Pb-210+D | 7.270E-03 | 7.270E-03 | DCF3(3) |
| | D-1 | Ra-226+D | 1.330E-03 | 1.330E-03 | DCF3(4) |
| | D-1 | Th-230 | 5.480E-04 | 5.480E-04 | DCF3(5) |
| | D-1 | U-234 | 2.830E-04 | 2.830E-04 | DCF3(6) |
| | D-1 | U-235+D | 2.670E-04 | 2.670E-04 | DCF3(7) |
| | D-1 | U-238+D | 2.690E-04 | 2.690E-04 | DCF3(8) |
| | D-34 | Food transfer factors: | | | |
| | D-34 | Ac-227+D , plant/soil concentration ratio, dimensionless | 2.500E-03 | 2.500E-03 | RTF(1,1) |
| | D-34 | Ac-227+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 2.000E-05 | 2.000E-05 | RTF(1,2) |
| | D-34 | Ac-227+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 2.000E-05 | 2.000E-05 | RTF(1,3) |
| | D-34 | Pa-231 , plant/soil concentration ratio, dimensionless | 1.000E-02 | 1.000E-02 | RTF(2,1) |
| | D-34 | Pa-231 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 5.000E-03 | 5.000E-03 | RTF(2,2) |
| | D-34 | Pa-231 , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 5.000E-06 | 5.000E-06 | RTF(2,3) |
| | D-34 | Pb-210+D , plant/soil concentration ratio, dimensionless | 1.000E-02 | 1.000E-02 | RTF(3,1) |
| | D-34 | Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 8.000E-04 | 8.000E-04 | RTF(3,2) |
| | D-34 | Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 3.000E-04 | 3.000E-04 | RTF(3,3) |
| | D-34 | Ra-226+D , plant/soil concentration ratio, dimensionless | 4.000E-02 | 4.000E-02 | RTF(4,1) |
| | D-34 | Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 1.000E-03 | 1.000E-03 | RTF(4,2) |
| | D-34 | Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 1.000E-03 | 1.000E-03 | RTF(4,3) |
| | D-34 | Th-230 , plant/soil concentration ratio, dimensionless | 1.000E-03 | 1.000E-03 | RTF(5,1) |
| | D-34 | Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 1.000E-04 | 1.000E-04 | RTF(5,2) |
| | D-34 | Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 5.000E-06 | 5.000E-06 | RTF(5,3) |
| | D-34 | U-234 , plant/soil concentration ratio, dimensionless | 2.500E-03 | 2.500E-03 | RTF(6,1) |
| | D-34 | U-234 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 3.400E-04 | 3.400E-04 | RTF(6,2) |
| | D-34 | U-234 , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 6.000E-04 | 6.000E-04 | RTF(6,3) |
| | D-34 | U-235+D , plant/soil concentration ratio, dimensionless | 2.500E-03 | 2.500E-03 | RTF(7,1) |
| | D-34 | U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 3.400E-04 | 3.400E-04 | RTF(7,2) |
| | D-34 | U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 6.000E-04 | 6.000E-04 | RTF(7,3) |

Dose Conversion Factor (and Related) Parameter Summary (continued)
 File: Default.LIB

| 0 Menu | Parameter | Current Value | Default | Parameter Name |
|-----------|---|------------------|-----------|-------------------|
| D-34 | U-238+D , plant/soil concentration ratio, dimensionless | 2.500E-03 | 2.500E-03 | RTF(8,1) |
| D-34 | U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 3.400E-04 | 3.400E-04 | RTF(8,2) |
| D-34 | U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 6.000E-04 | 6.000E-04 | RTF(8,3) |
| D-5 | Bioaccumulation factors, fresh water, L/kg: | | | |
| D-5 | Ac-227+D , fish | 1.500E+01 | 1.500E+01 | BIOFAC(1,1) |
| D-5 | Ac-227+D , crustacea and mollusks | 1.000E+03 | 1.000E+03 | BIOFAC(1,2) |
| D-5 | Pa-231 , fish | 1.000E+01 | 1.000E+01 | BIOFAC(2,1) |
| D-5 | Pa-231 , crustacea and mollusks | 1.100E+02 | 1.100E+02 | BIOFAC(2,2) |
| D-5 | Pb-210+D , fish | 3.000E+02 | 3.000E+02 | BIOFAC(3,1) |
| D-5 | Pb-210+D , crustacea and mollusks | 1.000E+02 | 1.000E+02 | BIOFAC(3,2) |
| D-5 | Ra-226+D , fish | 5.000E+01 | 5.000E+01 | BIOFAC(4,1) |
| D-5 | Ra-226+D , crustacea and mollusks | 2.500E+02 | 2.500E+02 | BIOFAC(4,2) |
| D-5 | Th-230 , fish | 1.000E+02 | 1.000E+02 | BIOFAC(5,1) |
| D-5 | Th-230 , crustacea and mollusks | 5.000E+02 | 5.000E+02 | BIOFAC(5,2) |
| D-5 | U-234 , fish | 1.000E+01 | 1.000E+01 | BIOFAC(6,1) |
| D-5 | U-234 , crustacea and mollusks | 6.000E+01 | 6.000E+01 | BIOFAC(6,2) |
| D-5 | U-235+D , fish | 1.000E+01 | 1.000E+01 | BIOFAC(7,1) |
| D-5 | U-235+D , crustacea and mollusks | 6.000E+01 | 6.000E+01 | BIOFAC(7,2) |
| D-5 | U-238+D , fish | 1.000E+01 | 1.000E+01 | BIOFAC(8,1) |
| D-5 | U-238+D , crustacea and mollusks | 6.000E+01 | 6.000E+01 | BIOFAC(8,2) |

| Site-Specific Parameter Summary | | | | | | |
|---------------------------------|------|---|------------|-----------|--|----------------|
| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
| | R011 | Area of contaminated zone (m**2) | 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 | 2.500E+01 | --- | BRDL |
| | R011 | Time since placement of material (yr) | 0.000E+00 | 0.000E+00 | --- | TI |
| | R011 | Times for calculations (yr) | 1.000E+00 | 1.000E+00 | --- | T(2) |
| | R011 | Times for calculations (yr) | 3.000E+00 | 3.000E+00 | --- | T(3) |
| | R011 | Times for calculations (yr) | 1.000E+01 | 1.000E+01 | --- | T(4) |
| | R011 | Times for calculations (yr) | 3.000E+01 | 3.000E+01 | --- | T(5) |
| | R011 | Times for calculations (yr) | 1.000E+02 | 1.000E+02 | --- | T(6) |
| | R011 | Times for calculations (yr) | 3.000E+02 | 3.000E+02 | --- | T(7) |
| | R011 | Times for calculations (yr) | 1.000E+03 | 1.000E+03 | --- | T(8) |
| | R011 | Times for calculations (yr) | not used | 0.000E+00 | --- | T(9) |
| | R011 | Times for calculations (yr) | not used | 0.000E+00 | --- | T(10) |
| | R012 | Initial principal radionuclide (pCi/g): U-234 | 7.904E+02 | 0.000E+00 | --- | S1(6) |
| | R012 | Initial principal radionuclide (pCi/g): U-235 | 4.350E+01 | 0.000E+00 | --- | S1(7) |
| | R012 | Initial principal radionuclide (pCi/g): U-238 | 1.861E+02 | 0.000E+00 | --- | S1(8) |
| | R012 | Concentration in groundwater (pCi/L): U-234 | not used | 0.000E+00 | --- | W1(6) |
| | R012 | Concentration in groundwater (pCi/L): U-235 | not used | 0.000E+00 | --- | W1(7) |
| | R012 | Concentration in groundwater (pCi/L): U-238 | not used | 0.000E+00 | --- | W1(8) |
| | 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 |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|---|------------|-----------|--|----------------|
| | 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 U-234 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 8.700E+03 | 5.000E+01 | --- | DCNUCC (6) |
| | R016 | Unsat. zone 1 (cm**3/g) | 3.300E+03 | 5.000E+01 | --- | DCNUCU (6,1) |
| | R016 | Unsat. zone 2 (cm**3/g) | 1.250E+02 | 5.000E+01 | --- | DCNUCU (6,2) |
| | R016 | Saturated zone (cm**3/g) | 1.250E+02 | 5.000E+01 | --- | DCNUCS (6) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 2.799E-04 | ALEACH (6) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (6) |
| | R016 | Distribution coefficients for U-235 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 8.700E+03 | 5.000E+01 | --- | DCNUCC (7) |
| | R016 | Unsat. zone 1 (cm**3/g) | 3.300E+03 | 5.000E+01 | --- | DCNUCU (7,1) |
| | R016 | Unsat. zone 2 (cm**3/g) | 1.250E+02 | 5.000E+01 | --- | DCNUCU (7,2) |
| | R016 | Saturated zone (cm**3/g) | 1.250E+02 | 5.000E+01 | --- | DCNUCS (7) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 2.799E-04 | ALEACH (7) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (7) |
| | R016 | Distribution coefficients for U-238 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 8.700E+03 | 5.000E+01 | --- | DCNUCC (8) |
| | R016 | Unsat. zone 1 (cm**3/g) | 3.300E+03 | 5.000E+01 | --- | DCNUCU (8,1) |
| | R016 | Unsat. zone 2 (cm**3/g) | 1.250E+02 | 5.000E+01 | --- | DCNUCU (8,2) |
| | R016 | Saturated zone (cm**3/g) | 1.250E+02 | 5.000E+01 | --- | DCNUCS (8) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 2.799E-04 | ALEACH (8) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (8) |
| | R016 | Distribution coefficients for daughter Ac-227 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 2.000E+01 | 2.000E+01 | --- | DCNUCC (1) |
| | R016 | Unsat. zone 1 (cm**3/g) | 2.000E+01 | 2.000E+01 | --- | DCNUCU (1,1) |
| | R016 | Unsat. zone 2 (cm**3/g) | 2.000E+01 | 2.000E+01 | --- | DCNUCU (1,2) |
| | R016 | Saturated zone (cm**3/g) | 2.000E+01 | 2.000E+01 | --- | DCNUCS (1) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 1.205E-01 | ALEACH (1) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (1) |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|---|------------|-----------|--|----------------|
| | R016 | Distribution coefficients for daughter Pa-231 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 5.000E+01 | 5.000E+01 | --- | DCNUCC (2) |
| | R016 | Unsaturated zone 1 (cm**3/g) | 5.000E+01 | 5.000E+01 | --- | DCNUCU (2,1) |
| | R016 | Unsaturated zone 2 (cm**3/g) | 5.000E+01 | 5.000E+01 | --- | DCNUCU (2,2) |
| | R016 | Saturated zone (cm**3/g) | 5.000E+01 | 5.000E+01 | --- | DCNUCS (2) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 4.850E-02 | ALEACH (2) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (2) |
| | R016 | Distribution coefficients for daughter Pb-210 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 1.000E+02 | 1.000E+02 | --- | DCNUCC (3) |
| | R016 | Unsaturated zone 1 (cm**3/g) | 1.000E+02 | 1.000E+02 | --- | DCNUCU (3,1) |
| | R016 | Unsaturated zone 2 (cm**3/g) | 1.000E+02 | 1.000E+02 | --- | DCNUCU (3,2) |
| | R016 | Saturated zone (cm**3/g) | 1.000E+02 | 1.000E+02 | --- | DCNUCS (3) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 2.430E-02 | ALEACH (3) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (3) |
| | R016 | Distribution coefficients for daughter Ra-226 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 7.000E+01 | 7.000E+01 | --- | DCNUCC (4) |
| | R016 | Unsaturated zone 1 (cm**3/g) | 7.000E+01 | 7.000E+01 | --- | DCNUCU (4,1) |
| | R016 | Unsaturated zone 2 (cm**3/g) | 7.000E+01 | 7.000E+01 | --- | DCNUCU (4,2) |
| | R016 | Saturated zone (cm**3/g) | 7.000E+01 | 7.000E+01 | --- | DCNUCS (4) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 3.469E-02 | ALEACH (4) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (4) |
| | R016 | Distribution coefficients for daughter Th-230 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 6.000E+04 | 6.000E+04 | --- | DCNUCC (5) |
| | R016 | Unsaturated zone 1 (cm**3/g) | 6.000E+04 | 6.000E+04 | --- | DCNUCU (5,1) |
| | R016 | Unsaturated zone 2 (cm**3/g) | 6.000E+04 | 6.000E+04 | --- | DCNUCU (5,2) |
| | R016 | Saturated zone (cm**3/g) | 6.000E+04 | 6.000E+04 | --- | DCNUCS (5) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 4.059E-05 | ALEACH (5) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (5) |
| | 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 | 8.048E-01 | 5.000E-01 | --- | FIND |
| | R017 | Fraction of time spent outdoors (on site) | 3.420E-02 | 2.500E-01 | --- | FOTD |
| | R017 | Shape factor flag, external gamma | 1.000E+00 | 1.000E+00 | >0 shows circular AREA. | FS |

| Site-Specific Parameter Summary (continued) | | | | | |
|---|--|------------|-----------|--|----------------|
| 0 | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
| R017 | Radii of shape factor array (used if FS = -1): | | | | |
| R017 | Outer annular radius (m), ring 1: | not used | 5.000E+01 | --- | RAD_SHAPE (1) |
| R017 | Outer annular radius (m), ring 2: | not used | 7.071E+01 | --- | RAD_SHAPE (2) |
| R017 | Outer annular radius (m), ring 3: | not used | 0.000E+00 | --- | RAD_SHAPE (3) |
| R017 | Outer annular radius (m), ring 4: | not used | 0.000E+00 | --- | RAD_SHAPE (4) |
| R017 | Outer annular radius (m), ring 5: | not used | 0.000E+00 | --- | RAD_SHAPE (5) |
| R017 | Outer annular radius (m), ring 6: | not used | 0.000E+00 | --- | RAD_SHAPE (6) |
| R017 | Outer annular radius (m), ring 7: | not used | 0.000E+00 | --- | RAD_SHAPE (7) |
| R017 | Outer annular radius (m), ring 8: | not used | 0.000E+00 | --- | RAD_SHAPE (8) |
| R017 | Outer annular radius (m), ring 9: | not used | 0.000E+00 | --- | RAD_SHAPE (9) |
| R017 | Outer annular radius (m), ring 10: | not used | 0.000E+00 | --- | RAD_SHAPE (10) |
| R017 | Outer annular radius (m), ring 11: | not used | 0.000E+00 | --- | RAD_SHAPE (11) |
| R017 | Outer annular radius (m), ring 12: | not used | 0.000E+00 | --- | RAD_SHAPE (12) |
| R017 | Fractions of annular areas within AREA: | | | | |
| R017 | Ring 1 | not used | 1.000E+00 | --- | FRACA (1) |
| R017 | Ring 2 | not used | 2.732E-01 | --- | FRACA (2) |
| R017 | Ring 3 | not used | 0.000E+00 | --- | FRACA (3) |
| R017 | Ring 4 | not used | 0.000E+00 | --- | FRACA (4) |
| R017 | Ring 5 | not used | 0.000E+00 | --- | FRACA (5) |
| R017 | Ring 6 | not used | 0.000E+00 | --- | FRACA (6) |
| R017 | Ring 7 | not used | 0.000E+00 | --- | FRACA (7) |
| R017 | Ring 8 | not used | 0.000E+00 | --- | FRACA (8) |
| R017 | Ring 9 | not used | 0.000E+00 | --- | FRACA (9) |
| R017 | Ring 10 | not used | 0.000E+00 | --- | FRACA (10) |
| R017 | Ring 11 | not used | 0.000E+00 | --- | FRACA (11) |
| R017 | Ring 12 | not used | 0.000E+00 | --- | FRACA (12) |
| R018 | Fruits, vegetables and grain consumption (kg/yr) | 1.600E+02 | 1.600E+02 | --- | DIET (1) |
| R018 | Leafy vegetable consumption (kg/yr) | 1.400E+01 | 1.400E+01 | --- | DIET (2) |
| R018 | Milk consumption (L/yr) | not used | 9.200E+01 | --- | DIET (3) |
| R018 | Meat and poultry consumption (kg/yr) | not used | 6.300E+01 | --- | DIET (4) |
| R018 | Fish consumption (kg/yr) | 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 | not used | 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 | 4.300E-02 | -1 | --- | FPLANT |
| R018 | Contamination fraction of meat | not used | -1 | --- | FMEAT |
| R018 | Contamination fraction of milk | not used | -1 | --- | FMILK |
| R019 | Livestock fodder intake for meat (kg/day) | not used | 6.800E+01 | --- | LFI5 |
| R019 | Livestock fodder intake for milk (kg/day) | not used | 5.500E+01 | --- | LFI6 |
| R019 | Livestock water intake for meat (L/day) | not used | 5.000E+01 | --- | LWI5 |
| R019 | Livestock water intake for milk (L/day) | not used | 1.600E+02 | --- | LWI6 |
| R019 | Livestock soil intake (kg/day) | not used | 5.000E-01 | --- | LSI |
| R019 | Mass loading for foliar deposition (g/m**3) | 1.000E-04 | 1.000E-04 | --- | MLFD |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|--|------------|-----------|--|----------------|
| | 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 | not used | 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) | not used | 1.100E+00 | --- | YV(3) |
| | R19B | Growing Season for Non-Leafy (years) | 1.700E-01 | 1.700E-01 | --- | TE(1) |
| | R19B | Growing Season for Leafy (years) | 2.500E-01 | 2.500E-01 | --- | TE(2) |
| | R19B | Growing Season for Fodder (years) | not used | 8.000E-02 | --- | TE(3) |
| | R19B | Translocation Factor for Non-Leafy | 1.000E-01 | 1.000E-01 | --- | TIV(1) |
| | R19B | Translocation Factor for Leafy | 1.000E+00 | 1.000E+00 | --- | TIV(2) |
| | R19B | Translocation Factor for Fodder | not used | 1.000E+00 | --- | TIV(3) |
| | R19B | Dry Foliar Interception Fraction for Non-Leafy | 2.500E-01 | 2.500E-01 | --- | RDRY(1) |
| | R19B | Dry Foliar Interception Fraction for Leafy | 2.500E-01 | 2.500E-01 | --- | RDRY(2) |
| | R19B | Dry Foliar Interception Fraction for Fodder | not used | 2.500E-01 | --- | RDRY(3) |
| | R19B | Wet Foliar Interception Fraction for Non-Leafy | 2.500E-01 | 2.500E-01 | --- | RWET(1) |
| | R19B | Wet Foliar Interception Fraction for Leafy | 2.500E-01 | 2.500E-01 | --- | RWET(2) |
| | R19B | Wet Foliar Interception Fraction for Fodder | not used | 2.500E-01 | --- | RWET(3) |
| | R19B | Weathering Removal Constant for Vegetation | 2.000E+01 | 2.000E+01 | --- | WLAM |
| | C14 | C-12 concentration in water (g/cm**3) | not used | 2.000E-05 | --- | C12WTR |
| | C14 | C-12 concentration in contaminated soil (g/g) | not used | 3.000E-02 | --- | C12CZ |
| | C14 | Fraction of vegetation carbon from soil | not used | 2.000E-02 | --- | CSOIL |
| | C14 | Fraction of vegetation carbon from air | not used | 9.800E-01 | --- | CAIR |
| | C14 | C-14 evasion layer thickness in soil (m) | not used | 3.000E-01 | --- | DMC |
| | C14 | C-14 evasion flux rate from soil (1/sec) | not used | 7.000E-07 | --- | EVSN |
| | C14 | C-12 evasion flux rate from soil (1/sec) | not used | 1.000E-10 | --- | REVSN |
| | C14 | Fraction of grain in beef cattle feed | not used | 8.000E-01 | --- | AVFG4 |
| | C14 | Fraction of grain in milk cow feed | not used | 2.000E-01 | --- | AVFG5 |
| | C14 | DCF correction factor for gaseous forms of C14 | not used | 1.234E+02 | --- | CO2F |
| | STOR | Storage times of contaminated foodstuffs (days): | | | | |
| | STOR | Fruits, non-leafy vegetables, and grain | 1.400E+01 | 1.400E+01 | --- | STOR_T(1) |
| | STOR | Leafy vegetables | 1.000E+00 | 1.000E+00 | --- | STOR_T(2) |
| | STOR | Milk | 1.000E+00 | 1.000E+00 | --- | STOR_T(3) |
| | STOR | Meat and poultry | 2.000E+01 | 2.000E+01 | --- | STOR_T(4) |
| | STOR | Fish | 7.000E+00 | 7.000E+00 | --- | STOR_T(5) |
| | STOR | Crustacea and mollusks | 7.000E+00 | 7.000E+00 | --- | STOR_T(6) |
| | STOR | Well water | 1.000E+00 | 1.000E+00 | --- | STOR_T(7) |
| | STOR | Surface water | 1.000E+00 | 1.000E+00 | --- | STOR_T(8) |
| | STOR | Livestock fodder | 4.500E+01 | 4.500E+01 | --- | STOR_T(9) |
| | R021 | Thickness of building foundation (m) | not used | 1.500E-01 | --- | FLOOR1 |
| | R021 | Bulk density of building foundation (g/cm**3) | not used | 2.400E+00 | --- | DENSFL |
| | R021 | Total porosity of the cover material | not used | 4.000E-01 | --- | TPCV |
| | R021 | Total porosity of the building foundation | not used | 1.000E-01 | --- | TPFL |
| | R021 | Volumetric water content of the cover material | not used | 5.000E-02 | --- | PH2OCV |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|---|------------|------------|--|----------------|
| | 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 | suppressed |
| 5 -- milk ingestion | suppressed |
| 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 | U-234 | 7.904E+02 |
| Thickness: 0.15 meters | U-235 | 4.350E+01 |
| Cover Depth: 0.00 meters | U-238 | 1.861E+02 |

Total Dose TDOSE(t), mrem/yr
 Basic Radiation Dose Limit = 19 mrem/yr
 Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| t (years): 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| TDOSE(t): 5.146E+01 | 5.128E+01 | 5.092E+01 | 4.964E+01 | 4.575E+01 | 2.740E+01 | 1.538E-02 | 1.182E+00 |
| M(t): 2.709E+00 | 2.699E+00 | 2.680E+00 | 2.612E+00 | 2.408E+00 | 1.442E+00 | 8.094E-04 | 6.219E-02 |

0Maximum TDOSE(t): 5.146E+01 mrem/yr at t = 0.000E+00 years

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

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.881E-01 | 0.0037 | 7.342E+00 | 0.1427 | 0.000E+00 | 0.0000 | 6.979E-01 | 0.0136 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.826E+00 | 0.1326 |
| U-235 | 1.885E+01 | 0.3662 | 3.766E-01 | 0.0073 | 0.000E+00 | 0.0000 | 3.629E-02 | 0.0007 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.546E-01 | 0.0069 |
| U-238 | 1.357E+01 | 0.2636 | 1.545E+00 | 0.0300 | 0.000E+00 | 0.0000 | 1.562E-01 | 0.0030 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.528E+00 | 0.0297 |
| ===== Total | 3.260E+01 | 0.6335 | 9.264E+00 | 0.1800 | 0.000E+00 | 0.0000 | 8.903E-01 | 0.0173 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.709E+00 | 0.1692 |

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

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.505E+01 | 0.2925 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.961E+01 | 0.3811 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+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 | 0.3264 |
| ===== 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 | 5.146E+01 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.880E-01 | 0.0037 | 7.291E+00 | 0.1422 | 0.000E+00 | 0.0000 | 6.930E-01 | 0.0135 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.779E+00 | 0.1322 |
| U-235 | 1.882E+01 | 0.3671 | 3.740E-01 | 0.0073 | 0.000E+00 | 0.0000 | 3.616E-02 | 0.0007 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.524E-01 | 0.0069 |
| U-238 | 1.354E+01 | 0.2640 | 1.535E+00 | 0.0299 | 0.000E+00 | 0.0000 | 1.551E-01 | 0.0030 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.517E+00 | 0.0296 |
| Total | 3.255E+01 | 0.6347 | 9.200E+00 | 0.1794 | 0.000E+00 | 0.0000 | 8.843E-01 | 0.0172 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.648E+00 | 0.1686 |

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

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.495E+01 | 0.2915 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.959E+01 | 0.3819 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.675E+01 | 0.3265 |
| 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 | 5.128E+01 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.879E-01 | 0.0037 | 7.189E+00 | 0.1412 | 0.000E+00 | 0.0000 | 6.833E-01 | 0.0134 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.684E+00 | 0.1313 |
| U-235 | 1.878E+01 | 0.3688 | 3.690E-01 | 0.0072 | 0.000E+00 | 0.0000 | 3.587E-02 | 0.0007 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.480E-01 | 0.0068 |
| U-238 | 1.349E+01 | 0.2648 | 1.513E+00 | 0.0297 | 0.000E+00 | 0.0000 | 1.529E-01 | 0.0030 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.496E+00 | 0.0294 |
| Total | 3.245E+01 | 0.6373 | 9.071E+00 | 0.1781 | 0.000E+00 | 0.0000 | 8.721E-01 | 0.0171 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.528E+00 | 0.1675 |

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

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.474E+01 | 0.2895 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.953E+01 | 0.3835 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.665E+01 | 0.3269 |
| 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 | 5.092E+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 = 1.000E+01 years

0
 0
 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.878E-01 | 0.0038 | 6.833E+00 | 0.1377 | 0.000E+00 | 0.0000 | 6.494E-01 | 0.0131 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.353E+00 | 0.1280 |
| U-235 | 1.861E+01 | 0.3748 | 3.514E-01 | 0.0071 | 0.000E+00 | 0.0000 | 3.469E-02 | 0.0007 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.324E-01 | 0.0067 |
| U-238 | 1.328E+01 | 0.2676 | 1.438E+00 | 0.0290 | 0.000E+00 | 0.0000 | 1.453E-01 | 0.0029 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.422E+00 | 0.0286 |
| ===== Total | 3.208E+01 | 0.6462 | 8.623E+00 | 0.1737 | 0.000E+00 | 0.0000 | 8.295E-01 | 0.0167 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.107E+00 | 0.1633 |

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
 0
 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.402E+01 | 0.2825 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.932E+01 | 0.3893 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.629E+01 | 0.3282 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.964E+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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.896E-01 | 0.0041 | 5.823E+00 | 0.1273 | 0.000E+00 | 0.0000 | 5.534E-01 | 0.0121 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.413E+00 | 0.1183 |
| U-235 | 1.799E+01 | 0.3932 | 3.005E-01 | 0.0066 | 0.000E+00 | 0.0000 | 3.036E-02 | 0.0007 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.857E-01 | 0.0062 |
| U-238 | 1.261E+01 | 0.2756 | 1.225E+00 | 0.0268 | 0.000E+00 | 0.0000 | 1.238E-01 | 0.0027 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.211E+00 | 0.0265 |
| Total | 3.078E+01 | 0.6729 | 7.349E+00 | 0.1606 | 0.000E+00 | 0.0000 | 7.075E-01 | 0.0155 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.910E+00 | 0.1510 |

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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.198E+01 | 0.2618 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.860E+01 | 0.4066 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.517E+01 | 0.3315 |
| Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.575E+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

| Radio- Nuclide | Water Independent Pathways (Inhalation excludes radon) | | | | | | | | | | | | | |
|-------------------|--|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.744E-01 | 0.0064 | 2.369E+00 | 0.0864 | 0.000E+00 | 0.0000 | 2.251E-01 | 0.0082 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.201E+00 | 0.0803 |
| U-235 | 1.276E+01 | 0.4656 | 1.224E-01 | 0.0045 | 0.000E+00 | 0.0000 | 1.254E-02 | 0.0005 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.167E-01 | 0.0043 |
| U-238 | 8.381E+00 | 0.3059 | 4.977E-01 | 0.0182 | 0.000E+00 | 0.0000 | 5.033E-02 | 0.0018 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.920E-01 | 0.0180 |
| Total | 2.131E+01 | 0.7778 | 2.989E+00 | 0.1091 | 0.000E+00 | 0.0000 | 2.880E-01 | 0.0105 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.810E+00 | 0.1026 |

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

| Radio- Nuclide | Water Dependent Pathways | | | | | | | | | | | | | |
|-------------------|--------------------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.969E+00 | 0.1814 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.301E+01 | 0.4748 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.421E+00 | 0.3439 |
| 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 | 2.740E+01 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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 = 3.000E+02 years
 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 1.342E-02 | 0.8726 | 1.881E-03 | 0.1223 | 0.000E+00 | 0.0000 | 7.741E-05 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.538E-02 | 1.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| Total | 1.342E-02 | 0.8726 | 1.881E-03 | 0.1223 | 0.000E+00 | 0.0000 | 7.741E-05 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.538E-02 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

0
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| U-234 | 1.080E-02 | 0.0091 | 2.504E-02 | 0.0212 | 0.000E+00 | 0.0000 | 6.266E-05 | 0.0001 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.591E-02 | 0.0304 |
| U-235 | 1.009E+00 | 0.8538 | 1.310E-01 | 0.1109 | 0.000E+00 | 0.0000 | 5.829E-03 | 0.0049 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.146E+00 | 0.9696 |
| U-238 | 5.036E-07 | 0.0000 | 1.159E-06 | 0.0000 | 0.000E+00 | 0.0000 | 2.918E-09 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.666E-06 | 0.0000 |
| ===== Total | 1.020E+00 | 0.8629 | 1.561E-01 | 0.1321 | 0.000E+00 | 0.0000 | 5.891E-03 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.182E+00 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.905E-02 | 1.892E-02 | 1.865E-02 | 1.774E-02 | 1.514E-02 | 6.248E-03 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.849E-07 | 5.509E-07 | 1.268E-06 | 3.620E-06 | 9.004E-06 | 1.239E-05 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 3.751E-09 | 2.596E-08 | 1.336E-07 | 1.086E-06 | 7.005E-06 | 2.695E-05 | 0.000E+00 | 4.197E-06 |
| U-234 | Pb-210 | 1.000E+00 | | 1.741E-12 | 2.426E-11 | 2.604E-10 | 5.561E-09 | 7.711E-08 | 3.704E-07 | 0.000E+00 | 4.124E-05 |
| U-234 | äDSR(j) | | | 1.905E-02 | 1.892E-02 | 1.865E-02 | 1.774E-02 | 1.516E-02 | 6.287E-03 | 0.000E+00 | 4.543E-05 |
| OU-235 | U-235 | 1.000E+00 | | 4.509E-01 | 4.503E-01 | 4.489E-01 | 4.441E-01 | 4.274E-01 | 2.988E-01 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 6.717E-06 | 1.973E-05 | 4.351E-05 | 1.066E-04 | 1.799E-04 | 1.057E-04 | 0.000E+00 | 5.674E-03 |
| U-235 | Ac-227 | 1.000E+00 | | 2.247E-07 | 1.477E-06 | 6.825E-06 | 3.898E-05 | 1.121E-04 | 9.336E-05 | 3.535E-04 | 2.066E-02 |
| U-235 | äDSR(j) | | | 4.509E-01 | 4.503E-01 | 4.490E-01 | 4.442E-01 | 4.277E-01 | 2.990E-01 | 3.535E-04 | 2.634E-02 |
| OU-238 | U-238 | 1.000E+00 | | 9.025E-02 | 8.999E-02 | 8.945E-02 | 8.752E-02 | 8.150E-02 | 5.062E-02 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 2.697E-08 | 8.040E-08 | 1.851E-07 | 5.280E-07 | 1.309E-06 | 1.780E-06 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.748E-12 | 1.215E-12 | 6.333E-12 | 5.391E-11 | 3.889E-10 | 1.759E-09 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 2.662E-15 | 3.958E-14 | 4.523E-13 | 1.111E-11 | 2.183E-10 | 3.108E-09 | 0.000E+00 | 8.552E-10 |
| U-238 | Pb-210 | 1.000E+00 | | 1.009E-18 | 2.900E-17 | 6.743E-16 | 4.354E-14 | 1.892E-12 | 3.659E-11 | 0.000E+00 | 8.095E-09 |
| U-238 | äDSR(j) | | | 9.025E-02 | 8.999E-02 | 8.945E-02 | 8.752E-02 | 8.150E-02 | 5.062E-02 | 0.000E+00 | 8.951E-09 |

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

0

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
 Basic Radiation Dose Limit = 19 mrem/yr

| ONuclide (i) | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|-----------|
| U-234 | 9.976E+02 | 1.004E+03 | 1.019E+03 | 1.071E+03 | 1.254E+03 | 3.022E+03 | *6.245E+09 | 4.182E+05 | |
| U-235 | 4.214E+01 | 4.220E+01 | 4.232E+01 | 4.277E+01 | 4.443E+01 | 6.354E+01 | 5.375E+04 | 7.214E+02 | |
| U-238 | 2.105E+02 | 2.111E+02 | 2.124E+02 | 2.171E+02 | 2.331E+02 | 3.753E+02 | *3.360E+05 | *3.360E+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

| ONuclide (i) | Initial pCi/g | tmin (years) | DSR(i,tmin) | G(i,tmin) (pCi/g) | DSR(i,tmax) | G(i,tmax) (pCi/g) |
|--------------|---------------|--------------|-------------|-------------------|-------------|-------------------|
| U-234 | 7.904E+02 | 0.000E+00 | 1.905E-02 | 9.976E+02 | 1.905E-02 | 9.976E+02 |
| U-235 | 4.350E+01 | 0.000E+00 | 4.509E-01 | 4.214E+01 | 4.509E-01 | 4.214E+01 |
| U-238 | 1.861E+02 | 0.000E+00 | 9.025E-02 | 2.105E+02 | 9.025E-02 | 2.105E+02 |

| | | | Individual Nuclide Dose Summed Over All Pathways | | | | | | | |
|-----------------|---------------|-----------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | Parent Nuclide and Branch Fraction Indicated | | | | | | | |
| ONuclide (j) | Parent (i) | BRF(i) | DOSE(j,t), mrem/yr | | | | | | | |
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | 1.505E+01 | 1.495E+01 | 1.474E+01 | 1.402E+01 | 1.197E+01 | 4.938E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | U-238 | 1.000E+00 | 5.019E-06 | 1.496E-05 | 3.444E-05 | 9.825E-05 | 2.436E-04 | 3.313E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | äDOSE(j): | | 1.505E+01 | 1.495E+01 | 1.474E+01 | 1.402E+01 | 1.197E+01 | 4.938E+00 | 0.000E+00 | 0.000E+00 |
| 0Th-230 | U-234 | 1.000E+00 | 1.462E-04 | 4.354E-04 | 1.002E-03 | 2.862E-03 | 7.117E-03 | 9.796E-03 | 0.000E+00 | 0.000E+00 |
| Th-230 | U-238 | 1.000E+00 | 3.253E-11 | 2.261E-10 | 1.179E-09 | 1.003E-08 | 7.237E-08 | 3.273E-07 | 0.000E+00 | 0.000E+00 |
| Th-230 | äDOSE(j): | | 1.462E-04 | 4.354E-04 | 1.002E-03 | 2.862E-03 | 7.117E-03 | 9.797E-03 | 0.000E+00 | 0.000E+00 |
| 0Ra-226 | U-234 | 1.000E+00 | 2.965E-06 | 2.052E-05 | 1.056E-04 | 8.587E-04 | 5.537E-03 | 2.130E-02 | 0.000E+00 | 3.317E-03 |
| Ra-226 | U-238 | 1.000E+00 | 4.954E-13 | 7.367E-12 | 8.417E-11 | 2.068E-09 | 4.063E-08 | 5.784E-07 | 0.000E+00 | 1.592E-07 |
| Ra-226 | äDOSE(j): | | 2.965E-06 | 2.052E-05 | 1.056E-04 | 8.587E-04 | 5.537E-03 | 2.130E-02 | 0.000E+00 | 3.318E-03 |
| 0Pb-210 | U-234 | 1.000E+00 | 1.376E-09 | 1.917E-08 | 2.058E-07 | 4.396E-06 | 6.095E-05 | 2.928E-04 | 0.000E+00 | 3.259E-02 |
| Pb-210 | U-238 | 1.000E+00 | 1.877E-16 | 5.396E-15 | 1.255E-13 | 8.103E-12 | 3.521E-10 | 6.809E-09 | 0.000E+00 | 1.507E-06 |
| Pb-210 | äDOSE(j): | | 1.376E-09 | 1.917E-08 | 2.058E-07 | 4.396E-06 | 6.095E-05 | 2.928E-04 | 0.000E+00 | 3.259E-02 |
| 0U-235 | U-235 | 1.000E+00 | 1.961E+01 | 1.959E+01 | 1.953E+01 | 1.932E+01 | 1.859E+01 | 1.300E+01 | 0.000E+00 | 0.000E+00 |
| 0Pa-231 | U-235 | 1.000E+00 | 2.922E-04 | 8.583E-04 | 1.893E-03 | 4.638E-03 | 7.824E-03 | 4.600E-03 | 0.000E+00 | 2.468E-01 |
| 0Ac-227 | U-235 | 1.000E+00 | 9.773E-06 | 6.423E-05 | 2.969E-04 | 1.696E-03 | 4.874E-03 | 4.061E-03 | 1.538E-02 | 8.989E-01 |
| 0U-238 | U-238 | 1.000E+00 | 1.680E+01 | 1.675E+01 | 1.665E+01 | 1.629E+01 | 1.517E+01 | 9.421E+00 | 0.000E+00 | 0.000E+00 |

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

| | | | Individual Nuclide Soil Concentration | | | | | | | | |
|----------|--------|-----------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | Parent Nuclide and Branch Fraction Indicated | | | | | | | | |
| ONuclide | Parent | BRF(i) | S(j,t), pCi/g | | | | | | | | |
| (j) | (i) | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | | 7.904E+02 | 7.902E+02 | 7.897E+02 | 7.882E+02 | 7.837E+02 | 7.684E+02 | 7.261E+02 | 5.957E+02 |
| U-234 | U-238 | 1.000E+00 | | 0.000E+00 | 5.274E-04 | 1.581E-03 | 5.261E-03 | 1.569E-02 | 5.129E-02 | 1.455E-01 | 3.982E-01 |
| U-234 | äS(j): | | | 7.904E+02 | 7.902E+02 | 7.897E+02 | 7.882E+02 | 7.837E+02 | 7.684E+02 | 7.263E+02 | 5.961E+02 |
| 0Th-230 | U-234 | 1.000E+00 | | 0.000E+00 | 7.114E-03 | 2.133E-02 | 7.103E-02 | 2.124E-01 | 6.998E-01 | 2.031E+00 | 6.039E+00 |
| Th-230 | U-238 | 1.000E+00 | | 0.000E+00 | 2.374E-09 | 2.136E-08 | 2.370E-07 | 2.124E-06 | 2.327E-05 | 2.011E-04 | 1.939E-03 |
| Th-230 | äS(j): | | | 0.000E+00 | 7.114E-03 | 2.133E-02 | 7.103E-02 | 2.124E-01 | 6.998E-01 | 2.031E+00 | 6.041E+00 |
| 0Ra-226 | U-234 | 1.000E+00 | | 0.000E+00 | 1.523E-06 | 1.339E-05 | 1.374E-04 | 1.002E-03 | 6.267E-03 | 2.277E-02 | 7.270E-02 |
| Ra-226 | U-238 | 1.000E+00 | | 0.000E+00 | 3.399E-13 | 9.016E-12 | 3.143E-10 | 7.221E-09 | 1.692E-07 | 2.064E-06 | 2.272E-05 |
| Ra-226 | äS(j): | | | 0.000E+00 | 1.523E-06 | 1.339E-05 | 1.374E-04 | 1.002E-03 | 6.267E-03 | 2.277E-02 | 7.272E-02 |
| 0Pb-210 | U-234 | 1.000E+00 | | 0.000E+00 | 1.561E-08 | 4.029E-07 | 1.280E-05 | 2.291E-04 | 2.711E-03 | 1.196E-02 | 4.016E-02 |
| Pb-210 | U-238 | 1.000E+00 | | 0.000E+00 | 2.617E-15 | 2.044E-13 | 2.230E-11 | 1.298E-09 | 6.263E-08 | 1.019E-06 | 1.233E-05 |
| Pb-210 | äS(j): | | | 0.000E+00 | 1.561E-08 | 4.029E-07 | 1.280E-05 | 2.291E-04 | 2.711E-03 | 1.196E-02 | 4.017E-02 |
| 0U-235 | U-235 | 1.000E+00 | | 4.350E+01 | 4.349E+01 | 4.346E+01 | 4.338E+01 | 4.314E+01 | 4.230E+01 | 4.000E+01 | 3.288E+01 |
| 0Pa-231 | U-235 | 1.000E+00 | | 0.000E+00 | 8.983E-04 | 2.568E-03 | 7.281E-03 | 1.447E-02 | 1.840E-02 | 1.754E-02 | 1.442E-02 |
| 0Ac-227 | U-235 | 1.000E+00 | | 0.000E+00 | 1.371E-05 | 1.083E-04 | 7.865E-04 | 2.616E-03 | 3.839E-03 | 3.673E-03 | 3.019E-03 |
| 0U-238 | U-238 | 1.000E+00 | | 1.861E+02 | 1.860E+02 | 1.859E+02 | 1.856E+02 | 1.845E+02 | 1.810E+02 | 1.711E+02 | 1.407E+02 |

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

ORESMAIN5.EXE execution time = 364.44 seconds

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Iteration Log for Computation of the Time of Maximum U-234 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 | 5.57060E+01 | 2.42251E-04 | | |
| 1 | 5.42686E+01 | 2.42263E-04 | -1.43737E+00 | parabolic |
| 2 | 5.43229E+01 | 2.42263E-04 | 6.24918E-03 | parabolic |
| 3 | 5.43772E+01 | 2.42263E-04 | 5.43229E-02 | parabolic |
| 4 | 5.43229E+01 | 2.42263E-04 | 0.00000E+00 | direct |

Notes:

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

Source Factors for Ingrowth and Decay
 Radioactivity Factors Only

Parent and Progeny Principal Radionuclide Contributions Indicated

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.997E-01 | 9.991E-01 | 9.972E-01 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 9.002E-06 | 2.701E-05 | 9.001E-05 | 2.700E-04 | 8.997E-04 | 2.696E-03 | 8.949E-03 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 1.950E-09 | 1.754E-08 | 1.947E-07 | 1.747E-06 | 1.921E-05 | 1.679E-04 | 1.689E-03 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 2.004E-11 | 5.328E-10 | 1.870E-08 | 4.373E-07 | 1.068E-05 | 1.363E-04 | 1.591E-03 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 2.116E-05 | 6.347E-05 | 2.116E-04 | 6.345E-04 | 2.114E-03 | 6.327E-03 | 2.094E-02 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 3.332E-07 | 2.937E-06 | 3.037E-05 | 2.258E-04 | 1.477E-03 | 5.667E-03 | 2.028E-02 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 2.835E-06 | 8.505E-06 | 2.835E-05 | 8.505E-05 | 2.835E-04 | 8.501E-04 | 2.831E-03 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 1.276E-11 | 1.148E-10 | 1.276E-09 | 1.148E-08 | 1.275E-07 | 1.147E-06 | 1.271E-05 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 1.842E-15 | 4.973E-14 | 1.841E-12 | 4.959E-11 | 1.822E-09 | 4.813E-08 | 1.654E-06 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 1.423E-17 | 1.138E-15 | 1.346E-13 | 9.704E-12 | 8.486E-10 | 3.570E-08 | 1.509E-06 |

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

0

Source Factors for Ingrowth and Decay
 Combined Radioactivity and Leaching Factors

Parent and Progeny Principal Radionuclide Contributions Indicated

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 9.997E-01 | 9.992E-01 | 9.972E-01 | 9.916E-01 | 9.721E-01 | 9.187E-01 | 7.537E-01 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 9.000E-06 | 2.699E-05 | 8.987E-05 | 2.687E-04 | 8.854E-04 | 2.570E-03 | 7.641E-03 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 1.927E-09 | 1.694E-08 | 1.738E-07 | 1.267E-06 | 7.929E-06 | 2.881E-05 | 9.198E-05 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 1.975E-11 | 5.098E-10 | 1.619E-08 | 2.899E-07 | 3.429E-06 | 1.514E-05 | 5.081E-05 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 9.997E-01 | 9.992E-01 | 9.972E-01 | 9.916E-01 | 9.724E-01 | 9.194E-01 | 7.558E-01 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 2.065E-05 | 5.905E-05 | 1.674E-04 | 3.326E-04 | 4.230E-04 | 4.032E-04 | 3.315E-04 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 3.151E-07 | 2.490E-06 | 1.808E-05 | 6.013E-05 | 8.825E-05 | 8.444E-05 | 6.941E-05 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 9.997E-01 | 9.992E-01 | 9.972E-01 | 9.916E-01 | 9.724E-01 | 9.194E-01 | 7.558E-01 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 2.834E-06 | 8.498E-06 | 2.827E-05 | 8.433E-05 | 2.756E-04 | 7.816E-04 | 2.140E-03 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 1.276E-11 | 1.148E-10 | 1.273E-09 | 1.141E-08 | 1.250E-07 | 1.080E-06 | 1.042E-05 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 1.826E-15 | 4.845E-14 | 1.689E-12 | 3.880E-11 | 9.094E-10 | 1.109E-08 | 1.221E-07 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 1.406E-17 | 1.099E-15 | 1.198E-13 | 6.973E-12 | 3.365E-10 | 5.476E-09 | 6.625E-08 |

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

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

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

| Parent (i) | Product (j) | DCF(j,1)* | ETF(j,1,t) (dimensionless) | | | | | | | |
|------------|-------------|-----------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 4.020E-04 | 5.921E-01 | 5.919E-01 | 5.916E-01 | 5.902E-01 | 5.844E-01 | 4.967E-01 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.210E-03 | 5.899E-01 | 5.897E-01 | 5.892E-01 | 5.874E-01 | 5.798E-01 | 4.707E-01 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.120E+01 | 5.117E-01 | 5.106E-01 | 5.084E-01 | 5.004E-01 | 4.730E-01 | 3.002E-01 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 6.120E-03 | 5.888E-01 | 5.886E-01 | 5.881E-01 | 5.862E-01 | 5.784E-01 | 4.769E-01 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 7.570E-01 | 5.727E-01 | 5.722E-01 | 5.711E-01 | 5.670E-01 | 5.513E-01 | 4.004E-01 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.910E-01 | 5.567E-01 | 5.560E-01 | 5.545E-01 | 5.489E-01 | 5.287E-01 | 3.647E-01 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 2.010E+00 | 5.579E-01 | 5.572E-01 | 5.558E-01 | 5.503E-01 | 5.304E-01 | 3.682E-01 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.370E-01 | 5.326E-01 | 5.317E-01 | 5.299E-01 | 5.230E-01 | 4.994E-01 | 3.399E-01 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 4.020E-04 | 5.921E-01 | 5.919E-01 | 5.916E-01 | 5.902E-01 | 5.844E-01 | 4.967E-01 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.210E-03 | 5.899E-01 | 5.897E-01 | 5.892E-01 | 5.874E-01 | 5.798E-01 | 4.707E-01 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.120E+01 | 5.117E-01 | 5.106E-01 | 5.084E-01 | 5.004E-01 | 4.730E-01 | 3.002E-01 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 6.120E-03 | 5.888E-01 | 5.886E-01 | 5.881E-01 | 5.862E-01 | 5.784E-01 | 4.769E-01 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,1,t) (mrem/yr)/(pCi/g) | | | | | | | |
|------------|-------------|------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | 2.379E-04 | 2.378E-04 | 2.375E-04 | 2.365E-04 | 2.328E-04 | 1.935E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 3.211E-09 | 9.630E-09 | 2.244E-08 | 6.705E-08 | 1.915E-07 | 5.048E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 3.686E-09 | 2.550E-08 | 1.312E-07 | 1.067E-06 | 6.894E-06 | 2.667E-05 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | 1.787E-14 | 2.628E-13 | 2.935E-12 | 6.661E-11 | 1.067E-09 | 1.006E-08 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR(j) | | 2.380E-04 | 2.378E-04 | 2.377E-04 | 2.377E-04 | 2.399E-04 | 2.207E-04 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | 4.333E-01 | 4.327E-01 | 4.317E-01 | 4.277E-01 | 4.134E-01 | 2.932E-01 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.106E-06 | 3.243E-06 | 7.201E-06 | 1.820E-05 | 3.379E-05 | 2.931E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 1.197E-07 | 7.908E-07 | 3.679E-06 | 2.141E-05 | 6.479E-05 | 6.496E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR(j) | | 4.333E-01 | 4.327E-01 | 4.317E-01 | 4.277E-01 | 4.135E-01 | 2.932E-01 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | 7.290E-02 | 7.276E-02 | 7.246E-02 | 7.138E-02 | 6.774E-02 | 4.503E-02 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | 3.373E-10 | 1.011E-09 | 2.357E-09 | 7.041E-09 | 2.013E-08 | 5.514E-08 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 3.035E-15 | 2.123E-14 | 1.121E-13 | 9.982E-13 | 8.272E-12 | 7.164E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 2.617E-15 | 3.889E-14 | 4.442E-13 | 1.092E-11 | 2.148E-10 | 3.076E-09 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | 1.016E-20 | 3.100E-19 | 7.542E-18 | 5.200E-16 | 2.616E-14 | 9.930E-13 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR(j) | | 7.290E-02 | 7.276E-02 | 7.246E-02 | 7.138E-02 | 6.774E-02 | 4.503E-02 | 0.000E+00 | 0.000E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 9.289E-03 | 9.224E-03 | 9.095E-03 | 8.643E-03 | 7.362E-03 | 2.990E-03 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.031E-07 | 3.075E-07 | 7.079E-07 | 2.020E-06 | 5.010E-06 | 6.759E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 3.893E-13 | 2.682E-12 | 1.368E-11 | 1.077E-10 | 6.307E-10 | 1.600E-09 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 8.083E-15 | 1.182E-13 | 1.304E-12 | 2.829E-11 | 3.938E-10 | 1.869E-09 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR(j) | | | 9.289E-03 | 9.225E-03 | 9.096E-03 | 8.645E-03 | 7.367E-03 | 2.997E-03 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 8.656E-03 | 8.595E-03 | 8.475E-03 | 8.054E-03 | 6.861E-03 | 2.787E-03 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 9.367E-07 | 2.734E-06 | 6.005E-06 | 1.461E-05 | 2.412E-05 | 1.262E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 5.043E-08 | 3.317E-07 | 1.527E-06 | 8.548E-06 | 2.300E-05 | 1.382E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR(j) | | | 8.657E-03 | 8.599E-03 | 8.482E-03 | 8.077E-03 | 6.908E-03 | 2.813E-03 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 8.304E-03 | 8.246E-03 | 8.130E-03 | 7.727E-03 | 6.582E-03 | 2.674E-03 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.315E-08 | 3.921E-08 | 9.023E-08 | 2.573E-07 | 6.366E-07 | 8.520E-07 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 9.741E-14 | 6.779E-13 | 3.535E-12 | 3.007E-11 | 2.164E-10 | 9.592E-10 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 2.763E-19 | 4.090E-18 | 4.631E-17 | 1.102E-15 | 1.965E-14 | 1.845E-13 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 4.595E-21 | 1.395E-19 | 3.352E-18 | 2.209E-16 | 9.649E-15 | 1.846E-13 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR(j) | | | 8.304E-03 | 8.246E-03 | 8.131E-03 | 7.727E-03 | 6.583E-03 | 2.674E-03 | 0.000E+00 | 0.000E+00 |

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

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Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A): 2.0234E+06 m**2 Occupancy Factor (FO2): 3.5612E-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: 7.0617E-02 g/yr

| Nuclide (i) | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|----|------------|------------|------------|------------|------------|------------|------------|------------|
| U-234 | | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 |
| U-235 +D | | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 |
| U-238 +D | | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 |

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

| Parent (i) | Product (j) | DCF(j,2)* | ETF(j,2,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.320E-01 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 3.260E-01 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 8.600E-03 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 2.320E-02 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| 0U-235 | U-235 | 1.230E-01 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.280E+00 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 6.720E+00 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| 0U-238 | U-238 | 1.180E-01 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.320E-01 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 3.260E-01 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 8.600E-03 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 2.320E-02 | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |

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

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 |
|-----------------|----|------------|------------|------------|------------|------------|------------|------------|------------|
| U-234 | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 |
| U-238 | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 |

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

| 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 |
|-----------------|----|------------|------------|------------|------------|------------|------------|------------|------------|
| U-234 | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 |
| U-238 | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 |

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0 Fraction of Time Spent Outdoors (FOTD): 3.420E-02
 Fraction of Time Spent Indoors (FIND): 8.048E-01

Dose/Source Ratios for Radon Pathway (p=9)
 Subpathway: Outdoor and Indoor Radon Flux

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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Dose/Source Ratios for Radon Pathway (p=9)
 Subpathway: Indoor Radon from Water Usage

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
 The DSR includes contributions from associated (half-life ó 0.5 yr) 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 |
|-------------------|---|------------------------------|------------------------------|
| Ac-227 | 2.0000E+01 | 9.3853E+01 | 5.5334E+01 |
| Pa-231 | 5.0000E+01 | 2.3313E+02 | 1.3745E+02 |
| Pb-210 | 1.0000E+02 | 4.6527E+02 | 2.7431E+02 |
| Ra-226 | 7.0000E+01 | 3.2599E+02 | 1.9220E+02 |
| Th-230 | 6.0000E+04 | 2.7856E+05 | 1.6423E+05 |
| U-234 | 3.3000E+03 | 1.5322E+04 | 9.0334E+03 |
| U-235 | 3.3000E+03 | 1.5322E+04 | 9.0334E+03 |
| U-238 | 3.3000E+03 | 1.5322E+04 | 9.0334E+03 |

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Transport Time Parameters for Unsaturated Zone Stratum No. 2

Stratum thickness [h(2)]: 4.000000 m
 Bulk soil material density [rhob(2)]: 1.500000 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 |
|-------------------|---|------------------------------|------------------------------|
| Ac-227 | 2.0000E+01 | 9.3853E+01 | 1.1067E+02 |
| Pa-231 | 5.0000E+01 | 2.3313E+02 | 2.7490E+02 |
| Pb-210 | 1.0000E+02 | 4.6527E+02 | 5.4862E+02 |
| Ra-226 | 7.0000E+01 | 3.2599E+02 | 3.8439E+02 |
| Th-230 | 6.0000E+04 | 2.7856E+05 | 3.2847E+05 |
| U-234 | 1.2500E+02 | 5.8133E+02 | 6.8549E+02 |
| U-235 | 1.2500E+02 | 5.8133E+02 | 6.8549E+02 |
| U-238 | 1.2500E+02 | 5.8133E+02 | 6.8549E+02 |

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 | Distribution Coefficient | Retardation Factor | Minimum Transport Time |
|---------------|--------------------------|--------------------|------------------------|
| (i) | Kdaq(i), cm**3/g | Rduaq(i) | Dtuaq(i), yr |
| Ac-227 | 2.0000E+01 | 1.1098E+02 | 4.7154E+00 |
| Pa-231 | 5.0000E+01 | 2.7596E+02 | 3.0409E+01 |
| Pb-210 | 1.0000E+02 | 5.5092E+02 | 1.3076E+02 |
| Ra-226 | 7.0000E+01 | 3.8594E+02 | 6.1267E+01 |
| Th-230 | 6.0000E+04 | 3.2995E+05 | Infinite |
| U-234 | 1.2500E+02 | 6.8840E+02 | 2.0094E+03 |
| U-235 | 1.2500E+02 | 6.8840E+02 | 2.0094E+03 |
| U-238 | 1.2500E+02 | 6.8840E+02 | 2.0094E+03 |

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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 |
|---------------------|----------------------|----------------------------|--|---------------------|------------------------------------|
| Ac-227 | 1.000E+00 | 7.600E+01 | 7.600E+02 | 2.774E+02 | 3.141E+01 |
| Pa-231 | 1.000E+00 | 1.885E+02 | 1.885E+03 | 6.880E+02 | 4.726E+04 |
| 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 |
| Th-230 | 1.000E+00 | 2.250E+05 | 2.250E+06 | 8.212E+05 | 1.111E+05 |
| U-234 | 1.000E+00 | 4.698E+02 | 4.698E+03 | 1.714E+03 | 3.527E+05 |
| U-235 | 1.000E+00 | 4.698E+02 | 4.698E+03 | 1.714E+03 | 1.015E+09 |
| U-238 | 1.000E+00 | 4.698E+02 | 4.698E+03 | 1.714E+03 | 6.446E+09 |

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 | Single Nuclide Dt(i), yr | Rise Time dt(i), yr |
|---------------------|----------------------|----------------------------|------------------------------|--------------------------|---------------------|
| Ac-227 | 1.000E+00 | 9.385E+01 | 1.707E+02 | 1.707E+02 | 2.774E+02 |
| Pa-231 | 1.000E+00 | 2.331E+02 | 4.428E+02 | 4.428E+02 | 6.880E+02 |
| 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 |
| Th-230 | 1.000E+00 | 2.786E+05 | 1.173E+04 | Infinite | 8.212E+05 |
| U-234 | 1.000E+00 | 4.039E+04 | 1.173E+04 | 1.173E+04 | 1.714E+03 |
| U-235 | 1.000E+00 | 4.039E+04 | 1.173E+04 | 1.173E+04 | 1.714E+03 |
| U-238 | 1.000E+00 | 4.039E+04 | 1.173E+04 | 1.173E+04 | 1.714E+03 |

Storage Times For Contaminated Foodstuffs

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

0

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

| Parent (i) | Product (j) | Branch Fraction | STOR_ID(i,j,t) = CONCE(i,j,t)/CONCE(i,i,0) | | | | | | | | | |
|------------|-------------|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 1.400E+01 | 1.000E+00 | 1.000E+00 | 2.000E+01 | 7.000E+00 | 7.000E+00 | 1.000E+00 | 1.000E+00 | 4.500E+01 |
| Ac-227 | Ac-227 | 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 | 9.961E-01 | |
| Pa-231 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| Pa-231 | Ac-227 | 1.000E+00 | 1.219E-03 | 8.716E-05 | 8.716E-05 | 1.742E-03 | 6.099E-04 | 6.099E-04 | 8.716E-05 | 8.716E-05 | 3.915E-03 | |
| 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 | |
| Th-230 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| Th-230 | Ra-226 | 1.000E+00 | 1.661E-05 | 1.186E-06 | 1.186E-06 | 2.372E-05 | 8.303E-06 | 8.303E-06 | 1.186E-06 | 1.186E-06 | 5.337E-05 | |
| Th-230 | Pb-210 | 1.000E+00 | 9.888E-09 | 5.047E-11 | 5.047E-11 | 2.018E-08 | 2.472E-09 | 2.472E-09 | 5.047E-11 | 5.047E-11 | 1.021E-07 | |
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 3.450E-07 | 2.465E-08 | 2.465E-08 | 4.929E-07 | 1.725E-07 | 1.725E-07 | 2.465E-08 | 2.465E-08 | 1.109E-06 | |
| U-234 | Ra-226 | 1.000E+00 | 2.865E-12 | 1.462E-14 | 1.462E-14 | 5.846E-12 | 7.162E-13 | 7.162E-13 | 1.462E-14 | 1.462E-14 | 2.960E-11 | |
| U-234 | Pb-210 | 1.000E+00 | 1.137E-15 | 4.146E-19 | 4.146E-19 | 3.315E-15 | 1.422E-16 | 1.422E-16 | 4.146E-19 | 4.146E-19 | 3.774E-14 | |
| U-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 8.110E-07 | 5.793E-08 | 5.793E-08 | 1.159E-06 | 4.055E-07 | 4.055E-07 | 5.793E-08 | 5.793E-08 | 2.607E-06 | |
| U-235 | Ac-227 | 1.000E+00 | 4.946E-10 | 2.524E-12 | 2.524E-12 | 1.009E-09 | 1.237E-10 | 1.237E-10 | 2.524E-12 | 2.524E-12 | 5.105E-09 | |
| U-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.087E-07 | 7.762E-09 | 7.762E-09 | 1.552E-07 | 5.433E-08 | 5.433E-08 | 7.762E-09 | 7.762E-09 | 3.493E-07 | |
| U-238 | Th-230 | 1.000E+00 | 1.875E-14 | 9.565E-17 | 9.565E-17 | 3.826E-14 | 4.687E-15 | 4.687E-15 | 9.565E-17 | 9.565E-17 | 1.937E-13 | |
| U-238 | Ra-226 | 1.000E+00 | 1.038E-19 | 3.782E-23 | 3.782E-23 | 3.025E-19 | 1.297E-20 | 1.297E-20 | 3.782E-23 | 3.782E-23 | 3.446E-18 | |
| U-238 | Pb-210 | 1.000E+00 | 3.090E-23 | 8.045E-28 | 8.045E-28 | 1.287E-22 | 1.931E-24 | 1.931E-24 | 8.045E-28 | 8.045E-28 | 3.296E-21 | |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|----------------|----------------|---------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 |

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

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

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|----------------|----------------|---------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 |

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

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 |

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

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| OU-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 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 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |

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

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| OU-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 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 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 | 1.001E+00 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.988E-01 | 9.993E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 | 1.001E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CF3(j,2,t)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 |
| OU-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CFLF(j,1,t)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 1.000E+00 | 1.366E+00 | 1.107E+00 | 1.031E+00 | 1.010E+00 | 1.003E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.009E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 |
| U-234 | Pb-210 | 1.000E+00 | 1.000E+00 | 2.809E+00 | 1.534E+00 | 1.163E+00 | 1.063E+00 | 1.031E+00 | 1.000E+00 | 1.002E+00 |
| OU-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.039E+00 | 1.012E+00 | 1.004E+00 | 1.002E+00 | 1.002E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 1.000E+00 | 2.244E+00 | 1.386E+00 | 1.141E+00 | 1.082E+00 | 1.070E+00 | 9.961E-01 | 9.977E-01 |
| OU-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.000E+00 | 1.150E+00 | 1.044E+00 | 1.013E+00 | 1.004E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 1.000E+00 | 1.787E+00 | 1.218E+00 | 1.062E+00 | 1.020E+00 | 1.006E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.016E+00 | 1.004E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 |
| U-238 | Pb-210 | 1.000E+00 | 1.000E+00 | 3.417E+00 | 1.711E+00 | 1.215E+00 | 1.081E+00 | 1.037E+00 | 1.000E+00 | 1.002E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 1.000E+00 | 1.344E+00 | 1.105E+00 | 1.030E+00 | 1.010E+00 | 1.003E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.009E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 |
| U-234 | Pb-210 | 1.000E+00 | 1.000E+00 | 2.702E+00 | 1.525E+00 | 1.162E+00 | 1.063E+00 | 1.031E+00 | 1.000E+00 | 1.002E+00 |
| OU-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.036E+00 | 1.012E+00 | 1.004E+00 | 1.002E+00 | 1.002E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 1.000E+00 | 2.171E+00 | 1.379E+00 | 1.141E+00 | 1.082E+00 | 1.070E+00 | 9.961E-01 | 9.977E-01 |
| OU-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.000E+00 | 1.141E+00 | 1.043E+00 | 1.012E+00 | 1.004E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 1.000E+00 | 1.737E+00 | 1.214E+00 | 1.061E+00 | 1.020E+00 | 1.006E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.015E+00 | 1.004E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 |
| U-238 | Pb-210 | 1.000E+00 | 1.000E+00 | 3.274E+00 | 1.698E+00 | 1.214E+00 | 1.081E+00 | 1.037E+00 | 1.000E+00 | 1.002E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 1.000E+00 | 1.203E+00 | 1.065E+00 | 1.019E+00 | 1.006E+00 | 1.002E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.008E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | 1.000E+00 | 1.261E+00 | 1.099E+00 | 1.033E+00 | 1.013E+00 | 1.006E+00 | 1.000E+00 | 1.001E+00 |
| OU-235 | U-235 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 1.000E+00 | 1.004E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 1.000E+00 | 3.413E+01 | 1.294E+01 | 5.660E+00 | 3.784E+00 | 3.413E+00 | 9.983E-01 | 1.173E+00 |
| OU-238 | U-238 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.000E+00 | 1.058E+00 | 1.019E+00 | 1.006E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 1.000E+00 | 1.415E+00 | 1.131E+00 | 1.039E+00 | 1.013E+00 | 1.004E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 1.000E+00 | 1.014E+00 | 1.003E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | 1.000E+00 | 1.325E+00 | 1.128E+00 | 1.043E+00 | 1.016E+00 | 1.007E+00 | 1.000E+00 | 1.002E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CF45(j,2,t) # | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|---------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.337E+00 | 1.112E+00 | 1.034E+00 | 1.011E+00 | 1.003E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | Pb-210 | 1.000E+00 | | 1.000E+00 | 1.033E+00 | 1.013E+00 | 1.004E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.302E+00 | 1.104E+00 | 1.037E+00 | 1.018E+00 | 1.014E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.999E-01 | 9.999E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.003E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.673E+00 | 1.225E+00 | 1.067E+00 | 1.022E+00 | 1.007E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | Pb-210 | 1.000E+00 | | 1.000E+00 | 1.041E+00 | 1.016E+00 | 1.006E+00 | 1.002E+00 | 1.001E+00 | 1.000E+00 | 1.000E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CFF(j,1,t) # | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|--------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-234 | 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 |
| U-234 | 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 | 9.995E-01 |
| OU-235 | U-235 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 9.994E-01 | 9.996E-01 |
| OU-238 | U-238 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| U-238 | 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 |
| U-238 | 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 | 9.996E-01 |

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

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

Area Factor for Plant Foods [FA(3)] = 0.04

| Nuclide (i) | t= | Depth Factor FD(i,1,t) (dimensionless) | | | | | | | |
|----------------|------------|--|------------|------------|------------|------------|------------|------------|-----------|
| | | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Ac-227 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-01 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |
| Pa-231 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-01 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |
| Pb-210 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-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 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |
| Th-230 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-01 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |
| U-234 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-01 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |
| U-235 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-01 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |
| U-238 | 1.6667E-01 | 1.6556E-01 | 1.6333E-01 | 1.5556E-01 | 1.3333E-01 | 5.5556E-02 | 0.0000E+00 | 0.0000E+00 | |

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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)] = 0.04

| Nuclide (i) | t= | Depth Factor FD(i,2,t) (dimensionless) | | | | | | | |
|----------------|------------|--|------------|------------|------------|------------|------------|------------|-----------|
| | | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Ac-227 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |
| Pa-231 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |
| Pb-210 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-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 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |
| Th-230 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |
| U-234 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |
| U-235 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |
| U-238 | 1.0000E+00 | 9.9333E-01 | 9.8000E-01 | 9.3333E-01 | 8.0000E-01 | 3.3333E-01 | 0.0000E+00 | 0.0000E+00 | |

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)] = 0.04

| Nuclide (i) | t= | Depth Factor FD(i,3,t) (dimensionless) | | | | | | | |
|----------------|------------|--|------------|------------|------------|------------|------------|------------|------------|
| | | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Ac-227 | 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 |
| Pa-231 | 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 |
| 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 |
| Th-230 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 | 1.0000E+00 |
| U-234 | 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 |
| U-235 | 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 |
| U-238 | 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 |

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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)] = 0.04

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

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

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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.

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)

| Parent (i) | Product (j) | DCF(j,3)* | ETF(j,3,1,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 |
| U-234 | U-234 | 2.830E-04 | 3.118E+00 | 3.097E+00 | 3.053E+00 | 2.902E+00 | 2.474E+00 | 1.011E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 1.174E-05 | 3.358E-05 | 1.052E-04 | 2.686E-04 | 3.685E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 8.909E-08 | 8.098E-07 | 8.042E-06 | 5.049E-05 | 1.319E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 3.173E-10 | 6.902E-09 | 1.953E-07 | 2.937E-06 | 1.439E-05 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 2.670E-04 | 3.118E+00 | 3.097E+00 | 3.053E+00 | 2.902E+00 | 2.474E+00 | 1.011E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 2.493E-04 | 7.161E-04 | 1.945E-03 | 3.319E-03 | 1.760E-03 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 1.189E-06 | 8.245E-06 | 5.449E-05 | 1.535E-04 | 9.365E-05 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 2.690E-04 | 3.118E+00 | 3.097E+00 | 3.053E+00 | 2.902E+00 | 2.474E+00 | 1.011E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 8.779E-06 | 2.597E-05 | 8.228E-05 | 2.104E-04 | 2.866E-04 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 1.746E-11 | 1.452E-10 | 1.498E-09 | 1.143E-08 | 5.206E-08 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 8.158E-14 | 2.289E-12 | 7.786E-11 | 1.544E-09 | 1.512E-08 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 2.400E-16 | 1.531E-14 | 1.461E-12 | 7.091E-11 | 1.414E-09 | 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)

| Parent (i) | Product (j) | DCF(j,3)* | ETF(j,3,2,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 |
| U-234 | U-234 | 2.830E-04 | 1.258E-02 | 1.249E-02 | 1.232E-02 | 1.171E-02 | 9.978E-03 | 4.077E-03 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 1.125E-07 | 3.327E-07 | 1.055E-06 | 2.704E-06 | 3.714E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 2.410E-11 | 2.091E-10 | 2.043E-09 | 1.277E-08 | 3.329E-08 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 2.471E-13 | 6.289E-12 | 1.902E-10 | 2.919E-09 | 1.439E-08 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 2.670E-04 | 1.258E-02 | 1.249E-02 | 1.232E-02 | 1.171E-02 | 9.979E-03 | 4.079E-03 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 2.584E-07 | 7.288E-07 | 1.968E-06 | 3.352E-06 | 1.777E-06 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 3.951E-09 | 3.080E-08 | 2.130E-07 | 6.072E-07 | 3.714E-07 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 2.690E-04 | 1.258E-02 | 1.249E-02 | 1.232E-02 | 1.171E-02 | 9.979E-03 | 4.079E-03 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 3.541E-08 | 1.048E-07 | 3.319E-07 | 8.487E-07 | 1.156E-06 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 1.594E-13 | 1.415E-12 | 1.495E-11 | 1.149E-10 | 5.244E-10 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 2.285E-17 | 5.978E-16 | 1.985E-14 | 3.908E-13 | 3.818E-12 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 1.760E-19 | 1.355E-17 | 1.408E-15 | 7.021E-14 | 1.412E-12 | 0.000E+00 | 0.000E+00 |

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

Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Ditch Irrigation (q=3)

| Parent (i) | Product (j) | DCF(j,3)* | ETF(j,3,3,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.286E-07 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.247E-08 |
| OU-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.305E-06 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.672E-08 | 4.543E-06 |
| OU-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.616E-11 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.350E-12 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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Dose Conversion and Environmental Transport Factors for the Plant Food Pathway (p=3)

Subpathway: Overhead Irrigation (q=4)

| Parent (i) | Product (j) | DCF(j,3)* | ETF(j,3,4,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.235E-05 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 8.589E-06 |
| OU-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.811E-03 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.189E-04 | 7.030E-03 |
| OU-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.518E-09 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.666E-09 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

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

| Parent (i) | Product (j) | DCF(j,4)* | ETF(j,4,1,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

| Parent (i) | Product (j) | DCF(j,4)* | ETF(j,4,2,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent (i) | Product (j) | DCF(j,4)* | ETF(j,4,3,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent (i) | Product (j) | DCF(j,4)* | ETF(j,4,4,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

* - 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)

| Parent (i) | Product (j) | DCF(j,4)* | ETF(j,4,5,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

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

| Parent (i) | Product (j) | DCF(j,5)* | ETF(j,5,1,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Fodder Foliar Uptake from Contaminated Dust (q=2)

| Parent (i) | Product (j) | DCF(j,5)* | ETF(j,5,2,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Ditch Irrigation (q=3)

| Parent (i) | Product (j) | DCF(j,5)* | ETF(j,5,3,t) * SF(j,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Overhead Irrigation (q=4)

| Parent (i) | Product (j) | DCF(j,5)* | ETF(j,5,4,t) * SF(j,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

Dose Conversion and Environmental Transport Factors for the Milk Pathway (p=5)

Subpathway: Livestock Water (q=5)

| Parent (i) | Product (j) | DCF(j,5)* | ETF(j,5,5,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

| Parent (i) | Product (j) | DCF(j,6) * | ETF(j,6,t) * SF(j,t) (g/yr) | | | | | | | | | |
|------------|-------------|------------|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 | | |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.001E-03 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.172E-03 |
| OU-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.554E-02 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.891E-03 | 1.709E-01 |
| OU-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.046E-07 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 8.114E-07 |

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

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

| Parent (i) | Product (j) | DCF(j,7) * | ETF(j,7,t) * SF(j,t) (g/yr) | | | | | | | | | |
|------------|-------------|------------|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 | | |
| U-234 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.140E-03 |
| U-234 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.487E-03 |
| OU-235 | U-235 | 2.670E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.869E-01 |
| U-235 | Ac-227 | 1.480E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.062E-02 | 1.218E+00 |
| OU-238 | U-238 | 2.690E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.395E-07 |
| U-238 | Pb-210 | 7.270E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.910E-07 |

* - 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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 8.794E-04 | 8.733E-04 | 8.610E-04 | 8.183E-04 | 6.970E-04 | 2.832E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 3.341E-09 | 9.455E-09 | 2.134E-08 | 6.028E-08 | 1.490E-07 | 2.009E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 3.840E-11 | 2.804E-10 | 1.466E-09 | 1.169E-08 | 6.878E-08 | 1.748E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 6.162E-13 | 7.803E-12 | 7.885E-11 | 1.620E-09 | 2.212E-08 | 1.044E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR(j) | | | 8.794E-04 | 8.733E-04 | 8.611E-04 | 8.184E-04 | 6.973E-04 | 2.837E-04 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 8.297E-04 | 8.239E-04 | 8.124E-04 | 7.720E-04 | 6.577E-04 | 2.673E-04 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.309E-06 | 3.932E-06 | 8.727E-06 | 2.133E-05 | 3.529E-05 | 1.848E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 6.408E-09 | 3.701E-08 | 1.594E-07 | 8.600E-07 | 2.288E-06 | 1.372E-06 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR(j) | | | 8.310E-04 | 8.279E-04 | 8.212E-04 | 7.942E-04 | 6.953E-04 | 2.871E-04 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 8.359E-04 | 8.301E-04 | 8.184E-04 | 7.778E-04 | 6.626E-04 | 2.693E-04 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.245E-09 | 3.712E-09 | 8.542E-09 | 2.436E-08 | 6.027E-08 | 8.070E-08 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 3.331E-15 | 2.149E-14 | 1.081E-13 | 9.020E-13 | 6.447E-12 | 2.852E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 2.631E-17 | 4.190E-16 | 4.915E-15 | 1.192E-13 | 2.141E-12 | 2.015E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 3.693E-19 | 9.588E-18 | 2.077E-16 | 1.277E-14 | 5.442E-13 | 1.032E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR(j) | | | 8.359E-04 | 8.301E-04 | 8.185E-04 | 7.778E-04 | 6.627E-04 | 2.693E-04 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 3.547E-06 | 3.523E-06 | 3.473E-06 | 3.301E-06 | 2.812E-06 | 1.142E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 3.088E-11 | 9.209E-11 | 2.119E-10 | 6.048E-10 | 1.500E-09 | 2.025E-09 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 1.074E-14 | 7.396E-14 | 3.772E-13 | 2.970E-12 | 1.739E-11 | 4.412E-11 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 4.520E-16 | 6.606E-15 | 7.286E-14 | 1.580E-12 | 2.199E-11 | 1.044E-10 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR(j) | | | 3.547E-06 | 3.523E-06 | 3.473E-06 | 3.301E-06 | 2.813E-06 | 1.144E-06 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 3.347E-06 | 3.323E-06 | 3.277E-06 | 3.114E-06 | 2.653E-06 | 1.078E-06 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.383E-09 | 4.038E-09 | 8.870E-09 | 2.157E-08 | 3.563E-08 | 1.865E-08 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 1.986E-11 | 1.306E-10 | 6.011E-10 | 3.364E-09 | 9.053E-09 | 5.442E-09 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR(j) | | | 3.348E-06 | 3.328E-06 | 3.286E-06 | 3.139E-06 | 2.698E-06 | 1.102E-06 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 3.372E-06 | 3.348E-06 | 3.301E-06 | 3.138E-06 | 2.673E-06 | 1.086E-06 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 5.022E-12 | 1.497E-11 | 3.446E-11 | 9.825E-11 | 2.431E-10 | 3.255E-10 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 2.918E-17 | 2.030E-16 | 1.058E-15 | 9.005E-15 | 6.478E-14 | 2.873E-13 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 7.627E-21 | 1.128E-19 | 1.277E-18 | 3.038E-17 | 5.419E-16 | 5.089E-15 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 2.572E-22 | 7.793E-21 | 1.872E-19 | 1.234E-17 | 5.390E-16 | 1.031E-14 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR(j) | | | 3.372E-06 | 3.348E-06 | 3.301E-06 | 3.138E-06 | 2.673E-06 | 1.086E-06 | 0.000E+00 | 0.000E+00 |

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.711E-10 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.635E-10 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.347E-10 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.745E-08 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.148E-09 | 6.725E-08 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.148E-09 | 1.447E-07 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.490E-14 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.207E-14 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.697E-14 |

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

0

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.644E-08 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.250E-08 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.894E-08 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.980E-05 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.778E-06 | 1.040E-04 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.778E-06 | 1.338E-04 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.352E-12 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.226E-11 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.561E-11 |

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

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

| Parent and Progeny Principal Radionuclide Contributions Indicated | | | DSR(j,3,t) (mrem/yr)/(pCi/g) | | | | | | | | |
|---|-------------|------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | | 8.829E-04 | 8.768E-04 | 8.645E-04 | 8.216E-04 | 6.999E-04 | 2.843E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 3.372E-09 | 9.547E-09 | 2.155E-08 | 6.088E-08 | 1.505E-07 | 2.029E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 3.841E-11 | 2.804E-10 | 1.467E-09 | 1.170E-08 | 6.880E-08 | 1.748E-07 | 0.000E+00 | 1.662E-08 |
| U-234 | Pb-210 | 1.000E+00 | | 6.167E-13 | 7.810E-12 | 7.893E-11 | 1.622E-09 | 2.215E-08 | 1.045E-07 | 0.000E+00 | 6.266E-08 |
| U-234 | äDSR(j) | | | 8.829E-04 | 8.768E-04 | 8.645E-04 | 8.217E-04 | 7.001E-04 | 2.848E-04 | 0.000E+00 | 7.927E-08 |
| 0U-235 | U-235 | 1.000E+00 | | 8.330E-04 | 8.272E-04 | 8.156E-04 | 7.752E-04 | 6.603E-04 | 2.683E-04 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 1.310E-06 | 3.936E-06 | 8.735E-06 | 2.135E-05 | 3.532E-05 | 1.849E-05 | 0.000E+00 | 2.988E-05 |
| U-235 | Ac-227 | 1.000E+00 | | 6.427E-09 | 3.714E-08 | 1.600E-07 | 8.634E-07 | 2.297E-06 | 1.378E-06 | 1.780E-06 | 1.041E-04 |
| U-235 | äDSR(j) | | | 8.343E-04 | 8.312E-04 | 8.245E-04 | 7.974E-04 | 6.980E-04 | 2.882E-04 | 1.780E-06 | 1.340E-04 |
| 0U-238 | U-238 | 1.000E+00 | | 8.392E-04 | 8.334E-04 | 8.217E-04 | 7.810E-04 | 6.653E-04 | 2.703E-04 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 1.250E-09 | 3.727E-09 | 8.577E-09 | 2.445E-08 | 6.051E-08 | 8.102E-08 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 3.360E-15 | 2.169E-14 | 1.092E-13 | 9.110E-13 | 6.511E-12 | 2.881E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 2.632E-17 | 4.191E-16 | 4.916E-15 | 1.193E-13 | 2.141E-12 | 2.016E-11 | 0.000E+00 | 3.387E-12 |
| U-238 | Pb-210 | 1.000E+00 | | 3.695E-19 | 9.596E-18 | 2.079E-16 | 1.279E-14 | 5.448E-13 | 1.033E-11 | 0.000E+00 | 1.229E-11 |
| U-238 | äDSR(j) | | | 8.392E-04 | 8.334E-04 | 8.218E-04 | 7.810E-04 | 6.653E-04 | 2.704E-04 | 0.000E+00 | 1.568E-11 |

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

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Subpathway: Ditch Irrigation (q=3)

Parent and Progeny Principal Radionuclide Contributions Indicated

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| OParent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR (j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.332E-06 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.035E-05 |
| U-234 | äDSR(j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.168E-05 |
| OU-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.828E-04 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.325E-05 | 2.529E-03 |
| U-235 | äDSR(j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.325E-05 | 3.012E-03 |
| OU-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.716E-10 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.957E-09 |
| U-238 | äDSR(j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.229E-09 |

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

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| U-234 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.848E-06 |
| U-234 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.082E-05 |
| U-234 | äDSR(j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.367E-05 |
| 0U-235 | U-235 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.162E-03 |
| U-235 | Ac-227 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.085E-04 | 1.803E-02 |
| U-235 | äDSR(j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.085E-04 | 2.319E-02 |
| 0U-238 | U-238 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.803E-10 |
| U-238 | Pb-210 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.126E-09 |
| U-238 | äDSR(j) | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.706E-09 |

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

Plant/Air and Plant/Water Concentration Ratios

0 Mass loading [ASR(3)]: 1.000E-04 g/m**3
 Area Factor for Mass Loading [FA(2)]: 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 |
|--------------|---------------------|---------------------|------------------|------------------|------------------|------------------|
| Ac-227 | 5.4545E-02 | 2.6156E-01 | 2.8045E-07 | 4.1045E-07 | 3.4522E-04 | 1.6554E-03 |
| Pa-231 | 5.4545E-02 | 2.6156E-01 | 1.1287E-06 | 1.6566E-06 | 3.4522E-04 | 1.6554E-03 |
| 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 |
| Th-230 | 5.4545E-02 | 2.6156E-01 | 1.1355E-07 | 1.6642E-07 | 3.4522E-04 | 1.6554E-03 |
| U-234 | 5.4545E-02 | 2.6156E-01 | 2.8318E-07 | 4.1661E-07 | 3.4522E-04 | 1.6554E-03 |
| U-235 | 5.4545E-02 | 2.6156E-01 | 2.8318E-07 | 4.1661E-07 | 3.4522E-04 | 1.6554E-03 |
| U-238 | 5.4545E-02 | 2.6156E-01 | 2.8318E-07 | 4.1661E-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)
 0 Nonleafy (k=1) and/or Leafy (k=2) Vegetables

| 0 Nuclide (i) | Parent | Product | FSR(i,3,1,k) | FSR(i,3,2,1) | FSR(i,3,2,2) |
|---------------|--------|---------|--------------|--------------|--------------|
| U-234 | U-234 | | 2.5000E-03 | 1.2876E-06 | 6.1745E-06 |
| U-234 | Th-230 | | 1.0000E-03 | 1.2876E-06 | 6.1745E-06 |
| U-234 | Ra-226 | | 4.0000E-02 | 1.2876E-06 | 6.1745E-06 |
| U-234 | Pb-210 | | 1.0000E-02 | 1.2876E-06 | 6.1745E-06 |
| 0 U-235 | U-235 | | 2.5000E-03 | 1.2876E-06 | 6.1745E-06 |
| U-235 | Pa-231 | | 1.0000E-02 | 1.2876E-06 | 6.1745E-06 |
| U-235 | Ac-227 | | 2.5000E-03 | 1.2876E-06 | 6.1745E-06 |
| 0 U-238 | U-238 | | 2.5000E-03 | 1.2876E-06 | 6.1745E-06 |
| U-238 | U-234 | | 2.5000E-03 | 1.2876E-06 | 6.1745E-06 |
| U-238 | Th-230 | | 1.0000E-03 | 1.2876E-06 | 6.1745E-06 |
| U-238 | Ra-226 | | 4.0000E-02 | 1.2876E-06 | 6.1745E-06 |
| U-238 | Pb-210 | | 1.0000E-02 | 1.2876E-06 | 6.1745E-06 |

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 =====

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

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

| ONuclide (i) | FQR(i,4) d/kg | FQR(i,5) d/kg | FAR(i,3,2,3) m**3/g | FWR(i,3,3,3) L/g | FWR(i,3,4,3) L/g |
|-----------------|------------------|------------------|------------------------|---------------------|---------------------|
| Ac-227 | 2.0000E-05 | 2.0000E-05 | 2.8659E-01 | 1.3269E-07 | 1.8139E-03 |
| Pa-231 | 5.0000E-03 | 5.0000E-06 | 2.8659E-01 | 5.3230E-07 | 1.8139E-03 |
| 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 |
| Th-230 | 1.0000E-04 | 5.0000E-06 | 2.8659E-01 | 5.2861E-08 | 1.8139E-03 |
| U-234 | 3.4000E-04 | 6.0000E-04 | 2.8659E-01 | 1.3343E-07 | 1.8139E-03 |
| U-235 | 3.4000E-04 | 6.0000E-04 | 2.8659E-01 | 1.3343E-07 | 1.8139E-03 |
| U-238 | 3.4000E-04 | 6.0000E-04 | 2.8659E-01 | 1.3343E-07 | 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.

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

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,8,t) (mrem/yr) / (pCi/g) | | | | | | | |
|---------------|----------------|---------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 1.000E+00 | 8.636E-03 | 8.576E-03 | 8.456E-03 | 8.036E-03 | 6.845E-03 | 2.780E-03 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 1.000E+00 | 7.519E-08 | 2.242E-07 | 5.160E-07 | 1.473E-06 | 3.652E-06 | 4.927E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.000E+00 | 2.611E-11 | 1.799E-10 | 9.175E-10 | 7.223E-09 | 4.229E-08 | 1.073E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 1.000E+00 | 1.098E-12 | 1.607E-11 | 1.773E-10 | 3.845E-09 | 5.351E-08 | 2.540E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | äDSR(j) | | 8.636E-03 | 8.576E-03 | 8.456E-03 | 8.037E-03 | 6.849E-03 | 2.785E-03 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 1.000E+00 | 8.148E-03 | 8.091E-03 | 7.978E-03 | 7.582E-03 | 6.459E-03 | 2.623E-03 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.000E+00 | 3.364E-06 | 9.818E-06 | 2.157E-05 | 5.246E-05 | 8.663E-05 | 4.532E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.000E+00 | 4.816E-08 | 3.168E-07 | 1.458E-06 | 8.164E-06 | 2.197E-05 | 1.320E-05 | 0.000E+00 | 0.000E+00 |
| U-235 | äDSR(j) | | 8.151E-03 | 8.101E-03 | 8.001E-03 | 7.642E-03 | 6.567E-03 | 2.682E-03 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 1.000E+00 | 8.209E-03 | 8.152E-03 | 8.038E-03 | 7.639E-03 | 6.507E-03 | 2.643E-03 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 1.000E+00 | 1.223E-08 | 3.646E-08 | 8.389E-08 | 2.392E-07 | 5.919E-07 | 7.921E-07 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 1.000E+00 | 7.101E-14 | 4.941E-13 | 2.577E-12 | 2.192E-11 | 1.577E-10 | 6.992E-10 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.000E+00 | 1.853E-17 | 2.743E-16 | 3.106E-15 | 7.388E-14 | 1.318E-12 | 1.237E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 1.000E+00 | 6.245E-19 | 1.895E-17 | 4.555E-16 | 3.002E-14 | 1.311E-12 | 2.508E-11 | 0.000E+00 | 0.000E+00 |
| U-238 | äDSR(j) | | 8.209E-03 | 8.152E-03 | 8.038E-03 | 7.639E-03 | 6.508E-03 | 2.644E-03 | 0.000E+00 | 0.000E+00 |

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

0
 Dose Conversion and Environmental Transport Factors for the Soil Ingestion Pathway (p=8)

| Parent (i) | Product (j) | DCF(j,8)* | ETF(j,8,t) (g/yr) | | | | | | | |
|---------------|----------------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| U-234 | U-234 | 2.830E-04 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-234 | Th-230 | 5.480E-04 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-234 | Ra-226 | 1.330E-03 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-234 | Pb-210 | 7.270E-03 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| OU-235 | U-235 | 2.670E-04 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-235 | Pa-231 | 1.060E-02 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-235 | Ac-227 | 1.480E-02 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| OU-238 | U-238 | 2.690E-04 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | U-234 | 2.830E-04 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | Th-230 | 5.480E-04 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | Ra-226 | 1.330E-03 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | Pb-210 | 7.270E-03 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |

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

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Part III: Intake Quantities and Health Risk Factors
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| Time= 3.000E+00 | 9 |
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| Time= 3.000E+01 | 15 |
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| Time= 3.000E+02 | 21 |
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Cancer Risk Slope Factors Summary Table
 File: Default.LIB

| Menu | Parameter | Current Value | Default | Parameter Name |
|-------|--|---------------|----------|----------------|
| Sf-1 | Ground external radiation slope factors, 1/yr per (pCi/g): | | | |
| Sf-1 | Ac-227+D | 9.30E-07 | 9.30E-07 | SLPF(1,1) |
| Sf-1 | Pa-231 | 2.70E-08 | 2.70E-08 | SLPF(2,1) |
| Sf-1 | Pb-210+D | 1.43E-10 | 1.43E-10 | SLPF(3,1) |
| Sf-1 | Ra-226+D | 6.70E-06 | 6.70E-06 | SLPF(4,1) |
| Sf-1 | Th-230 | 4.40E-11 | 4.40E-11 | SLPF(5,1) |
| Sf-1 | U-234 | 2.10E-11 | 2.10E-11 | SLPF(6,1) |
| Sf-1 | U-235+D | 2.70E-07 | 2.70E-07 | SLPF(7,1) |
| Sf-1 | U-238+D | 6.60E-08 | 6.60E-08 | SLPF(8,1) |
| Sf-2 | Inhalation, slope factors, 1/(pCi): | | | |
| Sf-2 | Ac-227+D | 7.90E-08 | 7.90E-08 | SLPF(1,2) |
| Sf-2 | Pa-231 | 2.40E-08 | 2.40E-08 | SLPF(2,2) |
| Sf-2 | Pb-210+D | 3.80E-09 | 3.80E-09 | SLPF(3,2) |
| Sf-2 | Ra-226+D | 2.70E-09 | 2.70E-09 | SLPF(4,2) |
| Sf-2 | Th-230 | 1.70E-08 | 1.70E-08 | SLPF(5,2) |
| Sf-2 | U-234 | 1.40E-08 | 1.40E-08 | SLPF(6,2) |
| Sf-2 | U-235+D | 1.30E-08 | 1.30E-08 | SLPF(7,2) |
| Sf-2 | U-238+D | 1.20E-08 | 1.20E-08 | SLPF(8,2) |
| Sf-3 | Ingestion, slope factors, 1/(pCi): | | | |
| Sf-3 | Ac-227+D | 6.30E-10 | 6.30E-10 | SLPF(1,3) |
| Sf-3 | Pa-231 | 1.50E-10 | 1.50E-10 | SLPF(2,3) |
| Sf-3 | Pb-210+D | 1.01E-09 | 1.01E-09 | SLPF(3,3) |
| Sf-3 | Ra-226+D | 3.00E-10 | 3.00E-10 | SLPF(4,3) |
| Sf-3 | Th-230 | 3.80E-11 | 3.80E-11 | SLPF(5,3) |
| Sf-3 | U-234 | 4.40E-11 | 4.40E-11 | SLPF(6,3) |
| Sf-3 | U-235+D | 4.70E-11 | 4.70E-11 | SLPF(7,3) |
| Sf-3 | U-238+D | 6.20E-11 | 6.20E-11 | SLPF(8,3) |
| 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) |

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 | |
| Ac-227 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 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 |
| Th-230 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 5.582E+01 | 2.474E+03 | 0.000E+00 | 0.000E+00 | 2.420E+04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.668E+04 |
| U-235 | 3.072E+00 | 1.362E+02 | 0.000E+00 | 0.000E+00 | 1.332E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.468E+03 |
| U-238 | 1.314E+01 | 5.825E+02 | 0.000E+00 | 0.000E+00 | 5.699E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.282E+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 Pathway | Rn-222 | Po-218 | Pb-214 | Bi-214 | Rn-220 | Po-216 | Pb-212 | Bi-212 |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Water-ind. | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Water-dep. | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Total | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| 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 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-234 | 2.948E-07 | 0.0006 | 2.344E-05 | 0.0492 | 3.266E-06 | 0.0069 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.195E-05 | 0.0670 |
| U-235 | 2.018E-04 | 0.4233 | 1.198E-06 | 0.0025 | 1.920E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.878E-06 | 0.0039 |
| U-238 | 1.963E-04 | 0.4117 | 4.731E-06 | 0.0099 | 1.083E-06 | 0.0023 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.060E-05 | 0.0222 |
| Total | 3.983E-04 | 0.8357 | 2.937E-05 | 0.0616 | 4.541E-06 | 0.0095 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.443E-05 | 0.0932 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| 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 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.895E-05 | 0.1237 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.051E-04 | 0.4302 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.127E-04 | 0.4462 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.767E-04 | 1.0000 |

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

0

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

0

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

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

Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)

and Fraction of Total Risk at t= 0.000E+00 years
 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 2.948E-07 | 0.0006 | 2.344E-05 | 0.0492 | 0.000E+00 | 0.0000 | 3.266E-06 | 0.0069 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.195E-05 | 0.0670 |
| U-235 | 2.018E-04 | 0.4233 | 1.198E-06 | 0.0025 | 0.000E+00 | 0.0000 | 1.920E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.878E-06 | 0.0039 |
| U-238 | 1.963E-04 | 0.4117 | 4.731E-06 | 0.0099 | 0.000E+00 | 0.0000 | 1.083E-06 | 0.0023 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.060E-05 | 0.0222 |
| ===== Total | 3.983E-04 | 0.8357 | 2.937E-05 | 0.0616 | 0.000E+00 | 0.0000 | 4.541E-06 | 0.0095 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.443E-05 | 0.0932 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.895E-05 | 0.1237 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.051E-04 | 0.4302 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.127E-04 | 0.4462 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.767E-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 | |
| Ac-227 | 9.615E-07 | 5.188E-05 | 0.000E+00 | 0.000E+00 | 4.170E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.689E-04 |
| Pa-231 | 6.301E-05 | 1.086E-02 | 0.000E+00 | 0.000E+00 | 2.733E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.818E-02 |
| Pb-210 | 1.095E-09 | 2.510E-07 | 0.000E+00 | 0.000E+00 | 4.749E-07 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.258E-07 |
| Ra-226 | 1.068E-07 | 7.043E-05 | 0.000E+00 | 0.000E+00 | 4.633E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.168E-04 |
| Th-230 | 4.990E-04 | 9.372E-03 | 0.000E+00 | 0.000E+00 | 2.164E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.258E-01 |
| U-234 | 5.543E+01 | 2.457E+03 | 0.000E+00 | 0.000E+00 | 2.404E+04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.649E+04 |
| U-235 | 3.051E+00 | 1.352E+02 | 0.000E+00 | 0.000E+00 | 1.323E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.458E+03 |
| U-238 | 1.305E+01 | 5.786E+02 | 0.000E+00 | 0.000E+00 | 5.659E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.238E+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
 Radionuclides

0

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

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 2.131E-10 | 0.0000 | 2.279E-12 | 0.0000 | 9.806E-13 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.881E-12 | 0.0000 |
| Pa-231 | 4.045E-10 | 0.0000 | 4.537E-11 | 0.0000 | 4.885E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.230E-10 | 0.0000 |
| Pb-210 | 3.942E-17 | 0.0000 | 1.248E-16 | 0.0000 | 7.604E-15 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.439E-14 | 0.0000 |
| Ra-226 | 1.563E-10 | 0.0000 | 8.654E-15 | 0.0000 | 6.339E-13 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.170E-13 | 0.0000 |
| Th-230 | 5.537E-12 | 0.0000 | 2.545E-10 | 0.0000 | 1.068E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.467E-10 | 0.0000 |
| U-234 | 2.947E-07 | 0.0006 | 3.328E-05 | 0.0490 | 3.244E-06 | 0.0068 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.173E-05 | 0.0667 |
| U-235 | 2.015E-04 | 0.4238 | 1.190E-06 | 0.0025 | 1.907E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.865E-06 | 0.0039 |
| U-238 | 1.959E-04 | 0.4119 | 4.698E-06 | 0.0099 | 1.076E-06 | 0.0023 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.053E-05 | 0.0221 |
| Total | 3.977E-04 | 0.8364 | 2.917E-05 | 0.0613 | 4.511E-06 | 0.0095 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.412E-05 | 0.0928 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.242E-10 | 0.0000 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.217E-10 | 0.0000 |
| Pb-210 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.216E-14 | 0.0000 |
| Ra-226 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.574E-10 | 0.0000 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.174E-10 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.855E-05 | 0.1231 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.048E-04 | 0.4307 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.122E-04 | 0.4462 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.755E-04 | 1.0000 |

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

0

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

0

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

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

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

0
 0

Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 2.948E-07 | 0.0006 | 2.328E-05 | 0.0490 | 0.000E+00 | 0.0000 | 3.244E-06 | 0.0068 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.173E-05 | 0.0667 |
| U-235 | 2.015E-04 | 0.4238 | 1.190E-06 | 0.0025 | 0.000E+00 | 0.0000 | 1.907E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.865E-06 | 0.0039 |
| U-238 | 1.959E-04 | 0.4119 | 4.698E-06 | 0.0099 | 0.000E+00 | 0.0000 | 1.076E-06 | 0.0023 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.053E-05 | 0.0221 |
| ===== Total | 3.977E-04 | 0.8364 | 2.917E-05 | 0.0613 | 0.000E+00 | 0.0000 | 4.511E-06 | 0.0095 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.412E-05 | 0.0928 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.855E-05 | 0.1231 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.048E-04 | 0.4307 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.122E-04 | 0.4462 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.755E-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 | |
| Ac-227 | 7.496E-06 | 3.600E-04 | 0.000E+00 | 0.000E+00 | 3.251E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.611E-03 |
| Pa-231 | 1.778E-04 | 3.118E-02 | 0.000E+00 | 0.000E+00 | 7.708E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.083E-01 |
| Pb-210 | 2.789E-08 | 5.461E-06 | 0.000E+00 | 0.000E+00 | 1.209E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.755E-05 |
| Ra-226 | 9.268E-07 | 6.402E-04 | 0.000E+00 | 0.000E+00 | 4.019E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.042E-03 |
| Th-230 | 1.476E-03 | 2.680E-02 | 0.000E+00 | 0.000E+00 | 6.403E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.671E-01 |
| U-234 | 5.465E+01 | 2.423E+03 | 0.000E+00 | 0.000E+00 | 2.370E+04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.612E+04 |
| U-235 | 3.008E+00 | 1.334E+02 | 0.000E+00 | 0.000E+00 | 1.304E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.438E+03 |
| U-238 | 1.287E+01 | 5.705E+02 | 0.000E+00 | 0.000E+00 | 5.580E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.151E+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
 Radionuclides

0

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

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 1.680E-09 | 0.0000 | 1.777E-11 | 0.0000 | 6.804E-12 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.144E-11 | 0.0000 |
| Pa-231 | 1.154E-09 | 0.0000 | 1.280E-10 | 0.0000 | 1.403E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.469E-10 | 0.0000 |
| Pb-210 | 1.017E-15 | 0.0000 | 3.179E-15 | 0.0000 | 1.655E-13 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.664E-13 | 0.0000 |
| Ra-226 | 1.369E-09 | 0.0000 | 7.507E-14 | 0.0000 | 5.762E-12 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.617E-12 | 0.0000 |
| Th-230 | 1.659E-11 | 0.0000 | 7.530E-10 | 0.0000 | 3.056E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.299E-10 | 0.0000 |
| U-234 | 2.943E-07 | 0.0006 | 2.295E-05 | 0.0485 | 3.198E-06 | 0.0068 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.128E-05 | 0.0661 |
| U-235 | 2.011E-04 | 0.4249 | 1.173E-06 | 0.0025 | 1.880E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.839E-06 | 0.0039 |
| U-238 | 1.951E-04 | 0.4123 | 4.633E-06 | 0.0098 | 1.061E-06 | 0.0022 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.038E-05 | 0.0219 |
| Total | 3.964E-04 | 0.8379 | 2.876E-05 | 0.0608 | 4.448E-06 | 0.0094 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.350E-05 | 0.0919 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.766E-09 | 0.0000 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.769E-09 | 0.0000 |
| Pb-210 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.361E-13 | 0.0000 |
| Ra-226 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.378E-09 | 0.0000 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.530E-09 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.773E-05 | 0.1220 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.043E-04 | 0.4317 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.112E-04 | 0.4463 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.732E-04 | 1.0000 |

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

0

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

0

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

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

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

0
 0
 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 2.957E-07 | 0.0006 | 2.296E-05 | 0.0485 | 0.000E+00 | 0.0000 | 3.199E-06 | 0.0068 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.129E-05 | 0.0661 |
| U-235 | 2.011E-04 | 0.4249 | 1.173E-06 | 0.0025 | 0.000E+00 | 0.0000 | 1.882E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.840E-06 | 0.0039 |
| U-238 | 1.951E-04 | 0.4123 | 4.633E-06 | 0.0098 | 0.000E+00 | 0.0000 | 1.061E-06 | 0.0022 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.038E-05 | 0.0219 |
| ===== Total | 3.964E-04 | 0.8379 | 2.876E-05 | 0.0608 | 0.000E+00 | 0.0000 | 4.448E-06 | 0.0094 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.350E-05 | 0.0919 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.773E-05 | 0.1220 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.043E-04 | 0.4317 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.112E-04 | 0.4463 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.732E-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 | |
| Ac-227 | 5.184E-05 | 2.380E-03 | 0.000E+00 | 0.000E+00 | 2.248E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.486E-02 |
| Pa-231 | 4.799E-04 | 8.471E-02 | 0.000E+00 | 0.000E+00 | 2.081E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.928E-01 |
| Pb-210 | 8.433E-07 | 1.545E-04 | 0.000E+00 | 0.000E+00 | 3.657E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.202E-04 |
| Ra-226 | 9.056E-06 | 6.358E-03 | 0.000E+00 | 0.000E+00 | 3.927E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.029E-02 |
| Th-230 | 4.682E-03 | 8.397E-02 | 0.000E+00 | 0.000E+00 | 2.030E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.114E+00 |
| U-234 | 5.195E+01 | 2.303E+03 | 0.000E+00 | 0.000E+00 | 2.253E+04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.483E+04 |
| U-235 | 2.859E+00 | 1.268E+02 | 0.000E+00 | 0.000E+00 | 1.240E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.367E+03 |
| U-238 | 1.223E+01 | 5.423E+02 | 0.000E+00 | 0.000E+00 | 5.304E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.847E+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
 Radionuclides

0

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

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 1.208E-08 | 0.0000 | 1.229E-10 | 0.0000 | 4.497E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.249E-10 | 0.0000 |
| Pa-231 | 3.237E-09 | 0.0000 | 3.455E-10 | 0.0000 | 3.812E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.365E-10 | 0.0000 |
| Pb-210 | 3.218E-14 | 0.0000 | 9.614E-14 | 0.0000 | 4.681E-12 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.108E-11 | 0.0000 |
| Ra-226 | 1.382E-08 | 0.0000 | 7.335E-13 | 0.0000 | 5.722E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.534E-11 | 0.0000 |
| Th-230 | 5.508E-11 | 0.0000 | 2.388E-09 | 0.0000 | 9.572E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.315E-09 | 0.0000 |
| U-234 | 2.931E-07 | 0.0006 | 2.182E-05 | 0.0470 | 3.040E-06 | 0.0065 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.974E-05 | 0.0640 |
| U-235 | 1.992E-04 | 0.4287 | 1.115E-06 | 0.0024 | 1.787E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.748E-06 | 0.0038 |
| U-238 | 1.922E-04 | 0.4136 | 4.403E-06 | 0.0095 | 1.009E-06 | 0.0022 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.866E-06 | 0.0212 |
| Total | 3.917E-04 | 0.8431 | 2.734E-05 | 0.0588 | 4.228E-06 | 0.0091 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.135E-05 | 0.0890 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.267E-08 | 0.0000 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.901E-09 | 0.0000 |
| 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 | 1.589E-11 | 0.0000 |
| Ra-226 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.391E-08 | 0.0000 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.853E-09 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.489E-05 | 0.1181 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.022E-04 | 0.4353 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.075E-04 | 0.4465 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.646E-04 | 1.0000 |

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

0

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

0

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

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

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

0
 0

Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 3.069E-07 | 0.0007 | 2.182E-05 | 0.0470 | 0.000E+00 | 0.0000 | 3.040E-06 | 0.0065 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.974E-05 | 0.0640 |
| U-235 | 1.992E-04 | 0.4288 | 1.115E-06 | 0.0024 | 0.000E+00 | 0.0000 | 1.792E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.750E-06 | 0.0038 |
| U-238 | 1.922E-04 | 0.4136 | 4.403E-06 | 0.0095 | 0.000E+00 | 0.0000 | 1.009E-06 | 0.0022 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.866E-06 | 0.0212 |
| ===== Total | 3.917E-04 | 0.8431 | 2.734E-05 | 0.0588 | 0.000E+00 | 0.0000 | 4.228E-06 | 0.0091 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.135E-05 | 0.0890 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.491E-05 | 0.1182 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.023E-04 | 0.4353 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.075E-04 | 0.4465 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.646E-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 | |
| Ac-227 | 1.478E-04 | 6.702E-03 | 0.000E+00 | 0.000E+00 | 6.408E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.079E-02 |
| Pa-231 | 8.174E-04 | 1.445E-01 | 0.000E+00 | 0.000E+00 | 3.545E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.990E-01 |
| Pb-210 | 1.294E-05 | 2.324E-03 | 0.000E+00 | 0.000E+00 | 5.613E-03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.937E-03 |
| Ra-226 | 5.659E-05 | 3.992E-02 | 0.000E+00 | 0.000E+00 | 2.454E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.446E-02 |
| Th-230 | 1.200E-02 | 2.145E-01 | 0.000E+00 | 0.000E+00 | 5.203E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.418E+00 |
| U-234 | 4.428E+01 | 1.963E+03 | 0.000E+00 | 0.000E+00 | 1.920E+04 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.116E+04 |
| U-235 | 2.437E+00 | 1.080E+02 | 0.000E+00 | 0.000E+00 | 1.057E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.165E+03 |
| U-238 | 1.043E+01 | 4.622E+02 | 0.000E+00 | 0.000E+00 | 4.521E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.983E+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
 Radionuclides

0

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

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 3.871E-08 | 0.0001 | 3.502E-10 | 0.0000 | 1.267E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.211E-09 | 0.0000 |
| Pa-231 | 6.196E-09 | 0.0000 | 5.885E-10 | 0.0000 | 6.504E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.595E-09 | 0.0000 |
| Pb-210 | 5.685E-13 | 0.0000 | 1.476E-12 | 0.0000 | 7.040E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.701E-10 | 0.0000 |
| Ra-226 | 9.523E-08 | 0.0002 | 4.584E-12 | 0.0000 | 3.593E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.209E-10 | 0.0000 |
| Th-230 | 1.625E-10 | 0.0000 | 6.119E-09 | 0.0000 | 2.445E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.932E-09 | 0.0000 |
| U-234 | 2.886E-07 | 0.0007 | 1.860E-05 | 0.0425 | 2.591E-06 | 0.0059 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.534E-05 | 0.0579 |
| U-235 | 1.926E-04 | 0.4401 | 9.504E-07 | 0.0022 | 1.523E-07 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.490E-06 | 0.0034 |
| U-238 | 1.825E-04 | 0.4169 | 3.753E-06 | 0.0086 | 8.598E-07 | 0.0020 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.409E-06 | 0.0192 |
| Total | 3.755E-04 | 0.8580 | 2.331E-05 | 0.0533 | 3.605E-06 | 0.0082 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.525E-05 | 0.0805 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.040E-08 | 0.0001 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.030E-09 | 0.0000 |
| Pb-210 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.425E-10 | 0.0000 |
| Ra-226 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.582E-08 | 0.0002 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.246E-08 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.682E-05 | 0.1070 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.952E-04 | 0.4460 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.955E-04 | 0.4467 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.377E-04 | 1.0000 |

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

0

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

0

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

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

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

0
 0
 Water Independent Pathways (Inhalation excludes radon)

| Radio- | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|----------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| Nuclide | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 3.839E-07 | 0.0009 | 1.860E-05 | 0.0425 | 0.000E+00 | 0.0000 | 2.592E-06 | 0.0059 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.535E-05 | 0.0579 |
| U-235 | 1.927E-04 | 0.4402 | 9.513E-07 | 0.0022 | 0.000E+00 | 0.0000 | 1.531E-07 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.493E-06 | 0.0034 |
| U-238 | 1.825E-04 | 0.4169 | 3.754E-06 | 0.0086 | 0.000E+00 | 0.0000 | 8.598E-07 | 0.0020 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.410E-06 | 0.0192 |
| ===== Total | 3.755E-04 | 0.8580 | 2.331E-05 | 0.0533 | 0.000E+00 | 0.0000 | 3.605E-06 | 0.0082 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.525E-05 | 0.0805 |

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

Water Dependent Pathways

| Radio- | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|----------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| Nuclide | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.693E-05 | 0.1072 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.953E-04 | 0.4461 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.955E-04 | 0.4467 |
| ===== Total | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.377E-04 | 1.0000 |

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

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

| Radio- Nuclide | Water Independent Pathways (Inhalation w/o radon) | | | | | Water Dependent Pathways | | | | | Total Ingestion* |
|-------------------|---|-----------|-----------|-----------|-----------|--------------------------|-----------|-----------|-----------|-----------|---------------------|
| | Inhalation | Plant | Meat | Milk | Soil | Water | Fish | Plant | Meat | Milk | |
| Ac-227 | 9.036E-05 | 4.090E-03 | 0.000E+00 | 0.000E+00 | 3.919E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.328E-02 |
| Pa-231 | 4.332E-04 | 7.666E-02 | 0.000E+00 | 0.000E+00 | 1.878E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.645E-01 |
| Pb-210 | 6.381E-05 | 1.138E-02 | 0.000E+00 | 0.000E+00 | 2.767E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.905E-02 |
| Ra-226 | 1.475E-04 | 1.043E-01 | 0.000E+00 | 0.000E+00 | 6.398E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.682E-01 |
| Th-230 | 1.647E-02 | 2.942E-01 | 0.000E+00 | 0.000E+00 | 7.144E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.438E+00 |
| U-234 | 1.809E+01 | 8.023E+02 | 0.000E+00 | 0.000E+00 | 7.844E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 8.646E+03 |
| U-235 | 9.957E-01 | 4.416E+01 | 0.000E+00 | 0.000E+00 | 4.318E+02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.759E+02 |
| U-238 | 4.260E+00 | 1.889E+02 | 0.000E+00 | 0.000E+00 | 1.847E+03 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.036E+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+02 years

0

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

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 3.944E-08 | 0.0001 | 2.142E-10 | 0.0000 | 7.730E-11 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.406E-10 | 0.0000 |
| Pa-231 | 5.437E-09 | 0.0000 | 3.119E-10 | 0.0000 | 3.450E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.453E-10 | 0.0000 |
| Pb-210 | 5.546E-12 | 0.0000 | 7.274E-12 | 0.0000 | 3.449E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.384E-10 | 0.0000 |
| Ra-226 | 3.781E-07 | 0.0013 | 1.195E-11 | 0.0000 | 9.383E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.758E-10 | 0.0000 |
| Th-230 | 4.348E-10 | 0.0000 | 8.401E-09 | 0.0000 | 3.354E-10 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.144E-09 | 0.0000 |
| U-234 | 2.405E-07 | 0.0008 | 7.597E-06 | 0.0267 | 1.059E-06 | 0.0037 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.035E-05 | 0.0363 |
| U-235 | 1.372E-04 | 0.4813 | 3.883E-07 | 0.0014 | 6.227E-08 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.088E-07 | 0.0021 |
| U-238 | 1.218E-04 | 0.4273 | 1.533E-06 | 0.0054 | 3.514E-07 | 0.0012 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.436E-06 | 0.0121 |
| Total | 2.596E-04 | 0.9108 | 9.528E-06 | 0.0334 | 1.475E-06 | 0.0052 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.441E-05 | 0.0506 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.047E-08 | 0.0001 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.939E-09 | 0.0000 |
| 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 | 1.196E-09 | 0.0000 |
| Ra-226 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.796E-07 | 0.0013 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.732E-08 | 0.0001 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.925E-05 | 0.0675 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.382E-04 | 0.4850 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.271E-04 | 0.4459 |
| ===== 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 | 2.850E-04 | 1.0000 |

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

0

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

0

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

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

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

0
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 6.190E-07 | 0.0022 | 7.605E-06 | 0.0267 | 0.000E+00 | 0.0000 | 1.061E-06 | 0.0037 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.036E-05 | 0.0364 |
| U-235 | 1.372E-04 | 0.4814 | 3.888E-07 | 0.0014 | 0.000E+00 | 0.0000 | 6.269E-08 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.104E-07 | 0.0021 |
| U-238 | 1.218E-04 | 0.4273 | 1.534E-06 | 0.0054 | 0.000E+00 | 0.0000 | 3.515E-07 | 0.0012 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.437E-06 | 0.0121 |
| ===== Total | 2.596E-04 | 0.9108 | 9.528E-06 | 0.0334 | 0.000E+00 | 0.0000 | 1.475E-06 | 0.0052 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.441E-05 | 0.0506 |

0
 Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+02 years

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.965E-05 | 0.0689 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.383E-04 | 0.4851 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.271E-04 | 0.4459 |
| ===== 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 | 2.850E-04 | 1.0000 |

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

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 1.696E-08 | 0.8726 | 2.377E-09 | 0.1223 | 9.781E-11 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.943E-08 | 1.0000 |
| Pa-231 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| 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 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| ===== Total | 1.696E-08 | 0.8726 | 2.377E-09 | 0.1223 | 9.781E-11 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.943E-08 | 1.0000 |

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

0

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

0

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

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

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

0
 0

Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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 CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+02 years

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 1.696E-08 | 0.8726 | 2.377E-09 | 0.1223 | 0.000E+00 | 0.0000 | 9.781E-11 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.943E-08 | 1.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| ===== Total | 1.696E-08 | 0.8726 | 2.377E-09 | 0.1223 | 0.000E+00 | 0.0000 | 9.781E-11 | 0.0050 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.943E-08 | 1.0000 |

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

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Ac-227 | 1.002E-06 | 0.7099 | 1.405E-07 | 0.0996 | 5.783E-09 | 0.0041 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.148E-06 | 0.8136 |
| Pa-231 | 9.530E-08 | 0.0676 | 8.915E-09 | 0.0063 | 5.517E-10 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.048E-07 | 0.0743 |
| Pb-210 | 3.562E-08 | 0.0252 | 9.991E-08 | 0.0708 | 2.063E-10 | 0.0001 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.357E-07 | 0.0962 |
| Ra-226 | 1.522E-08 | 0.0108 | 7.120E-09 | 0.0050 | 8.880E-11 | 0.0001 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.243E-08 | 0.0159 |
| Th-230 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| ===== Total | 1.148E-06 | 0.8135 | 2.564E-07 | 0.1818 | 6.630E-09 | 0.0047 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.411E-06 | 1.0000 |

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

0

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

0

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

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

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

Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-235 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 |
| U-238 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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 CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+03 years

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| U-234 | 5.084E-08 | 0.0360 | 1.070E-07 | 0.0759 | 0.000E+00 | 0.0000 | 2.950E-10 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.582E-07 | 0.1121 |
| U-235 | 1.097E-06 | 0.7775 | 1.494E-07 | 0.1059 | 0.000E+00 | 0.0000 | 6.335E-09 | 0.0045 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.253E-06 | 0.8879 |
| U-238 | 2.377E-12 | 0.0000 | 4.918E-12 | 0.0000 | 0.000E+00 | 0.0000 | 1.368E-14 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.309E-12 | 0.0000 |
| ===== Total | 1.148E-06 | 0.8135 | 2.564E-07 | 0.1818 | 0.000E+00 | 0.0000 | 6.630E-09 | 0.0047 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.411E-06 | 1.0000 |

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

Table of Contents

Part IV: Concentration of Radionuclides
=====

Concentration of radionuclides in different media

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

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

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 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 |
| Th-230 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.904E+02 | 7.904E+02 | 1.866E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.350E+01 | 4.350E+01 | 1.027E-03 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.861E+02 | 1.861E+02 | 4.393E-03 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 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 |
| Th-230 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 3.304E+02 | 3.342E+02 | 3.347E+02 | 3.347E+02 | 1.421E+02 | 2.482E+02 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 1.818E+01 | 1.839E+01 | 1.842E+01 | 1.842E+01 | 7.821E+00 | 1.366E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 7.778E+01 | 7.869E+01 | 7.880E+01 | 7.880E+01 | 3.346E+01 | 5.843E+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+00 years

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 1.371E-05 | 1.362E-05 | 3.214E-10 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 8.983E-04 | 8.923E-04 | 2.106E-08 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 1.561E-08 | 1.551E-08 | 3.661E-13 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 1.523E-06 | 1.513E-06 | 3.572E-11 | 0.000E+00 | 0.000E+00 |
| Th-230 | 7.114E-03 | 7.067E-03 | 1.668E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.902E+02 | 7.849E+02 | 1.853E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.349E+01 | 4.320E+01 | 1.020E-03 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.860E+02 | 1.848E+02 | 4.363E-03 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 0.000E+00 | 7.029E-06 | 5.857E-06 | 8.857E-06 | 9.650E-06 | 4.580E-06 | 1.463E-07 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 1.448E-03 | 1.490E-03 | 1.282E-03 | 1.358E-03 | 2.557E-03 | 3.384E-06 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 0.000E+00 | 3.415E-08 | 2.659E-08 | 4.072E-08 | 4.700E-08 | 9.407E-09 | 3.183E-09 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 0.000E+00 | 9.359E-06 | 1.004E-05 | 6.910E-06 | 7.798E-06 | 1.155E-06 | 1.181E-06 | 0.000E+00 | 0.000E+00 |
| Th-230 | 0.000E+00 | 1.255E-03 | 1.226E-03 | 1.378E-03 | 1.441E-03 | 4.131E-04 | 2.409E-05 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 3.281E+02 | 3.319E+02 | 3.328E+02 | 3.326E+02 | 1.412E+02 | 2.465E+02 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 1.806E+01 | 1.827E+01 | 1.831E+01 | 1.831E+01 | 7.770E+00 | 1.356E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 7.726E+01 | 7.815E+01 | 7.835E+01 | 7.832E+01 | 3.324E+01 | 5.803E+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 = 3.000E+00 years

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 1.083E-04 | 1.061E-04 | 2.506E-09 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 2.568E-03 | 2.517E-03 | 5.942E-08 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 4.029E-07 | 3.949E-07 | 9.322E-12 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 1.339E-05 | 1.312E-05 | 3.098E-10 | 0.000E+00 | 0.000E+00 |
| Th-230 | 2.133E-02 | 2.091E-02 | 4.936E-07 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.897E+02 | 7.739E+02 | 1.827E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.346E+01 | 4.259E+01 | 1.006E-03 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.859E+02 | 1.822E+02 | 4.302E-03 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 0.000E+00 | 4.837E-05 | 4.517E-05 | 5.581E-05 | 5.741E-05 | 1.427E-05 | 1.123E-06 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 4.164E-03 | 4.208E-03 | 4.031E-03 | 4.098E-03 | 7.568E-03 | 8.189E-06 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 0.000E+00 | 7.354E-07 | 6.662E-07 | 8.484E-07 | 8.893E-07 | 2.153E-07 | 7.468E-08 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 0.000E+00 | 8.541E-05 | 8.742E-05 | 7.794E-05 | 8.076E-05 | 1.166E-05 | 1.099E-05 | 0.000E+00 | 0.000E+00 |
| Th-230 | 0.000E+00 | 3.579E-03 | 3.619E-03 | 3.779E-03 | 3.841E-03 | 1.121E-03 | 5.927E-05 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 3.236E+02 | 3.273E+02 | 3.281E+02 | 3.280E+02 | 1.392E+02 | 2.430E+02 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 1.781E+01 | 1.801E+01 | 1.806E+01 | 1.805E+01 | 7.661E+00 | 1.337E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 7.618E+01 | 7.705E+01 | 7.726E+01 | 7.723E+01 | 3.278E+01 | 5.722E+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+01 years

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 7.865E-04 | 7.340E-04 | 1.733E-08 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 7.281E-03 | 6.796E-03 | 1.604E-07 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 1.280E-05 | 1.194E-05 | 2.819E-10 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 1.374E-04 | 1.282E-04 | 3.027E-09 | 0.000E+00 | 0.000E+00 |
| Th-230 | 7.103E-02 | 6.630E-02 | 1.565E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.882E+02 | 7.356E+02 | 1.737E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.338E+01 | 4.049E+01 | 9.558E-04 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.856E+02 | 1.732E+02 | 4.089E-03 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 0.000E+00 | 3.186E-04 | 3.112E-04 | 3.462E-04 | 3.485E-04 | 4.390E-05 | 7.722E-06 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 1.132E-02 | 1.137E-02 | 1.127E-02 | 1.132E-02 | 2.077E-02 | 2.083E-05 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 0.000E+00 | 2.070E-05 | 2.003E-05 | 2.213E-05 | 2.243E-05 | 6.104E-06 | 2.169E-06 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 0.000E+00 | 8.493E-04 | 8.553E-04 | 8.289E-04 | 8.369E-04 | 1.199E-04 | 1.101E-04 | 0.000E+00 | 0.000E+00 |
| Th-230 | 0.000E+00 | 1.120E-02 | 1.146E-02 | 1.165E-02 | 1.171E-02 | 3.443E-03 | 1.746E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 3.075E+02 | 3.111E+02 | 3.119E+02 | 3.118E+02 | 1.323E+02 | 2.310E+02 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 1.693E+01 | 1.712E+01 | 1.717E+01 | 1.716E+01 | 7.282E+00 | 1.271E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 7.241E+01 | 7.324E+01 | 7.344E+01 | 7.341E+01 | 3.116E+01 | 5.439E+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 = 3.000E+01 years

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 2.616E-03 | 2.093E-03 | 4.940E-08 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 1.447E-02 | 1.158E-02 | 2.732E-07 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 2.291E-04 | 1.833E-04 | 4.327E-09 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 1.002E-03 | 8.014E-04 | 1.892E-08 | 0.000E+00 | 0.000E+00 |
| Th-230 | 2.124E-01 | 1.699E-01 | 4.011E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.837E+02 | 6.270E+02 | 1.480E-02 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.314E+01 | 3.451E+01 | 8.146E-04 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.845E+02 | 1.476E+02 | 3.485E-03 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 0.000E+00 | 8.966E-04 | 8.864E-04 | 9.560E-04 | 9.567E-04 | 8.404E-05 | 2.198E-05 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 1.931E-02 | 1.936E-02 | 1.939E-02 | 1.939E-02 | 3.553E-02 | 3.490E-05 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 0.000E+00 | 3.109E-04 | 3.070E-04 | 3.219E-04 | 3.231E-04 | 9.168E-05 | 3.288E-05 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 0.000E+00 | 5.334E-03 | 5.347E-03 | 5.303E-03 | 5.317E-03 | 7.604E-04 | 6.931E-04 | 0.000E+00 | 0.000E+00 |
| Th-230 | 0.000E+00 | 2.860E-02 | 2.937E-02 | 2.963E-02 | 2.967E-02 | 8.741E-03 | 4.378E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 2.621E+02 | 2.651E+02 | 2.659E+02 | 2.658E+02 | 1.128E+02 | 1.969E+02 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 1.443E+01 | 1.459E+01 | 1.463E+01 | 1.463E+01 | 6.208E+00 | 1.084E+01 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 6.173E+01 | 6.243E+01 | 6.261E+01 | 6.258E+01 | 2.656E+01 | 4.636E+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 | Contaminat- ted Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|----------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 3.839E-03 | 1.280E-03 | 3.021E-08 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 1.840E-02 | 6.134E-03 | 1.448E-07 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 2.711E-03 | 9.036E-04 | 2.133E-08 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 6.267E-03 | 2.089E-03 | 4.932E-08 | 0.000E+00 | 0.000E+00 |
| Th-230 | 6.998E-01 | 2.333E-01 | 5.507E-06 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.684E+02 | 2.561E+02 | 6.047E-03 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.230E+01 | 1.410E+01 | 3.328E-04 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.810E+02 | 6.032E+01 | 1.424E-03 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 0.000E+00 | 5.471E-04 | 5.419E-04 | 5.820E-04 | 5.814E-04 | 4.643E-05 | 1.344E-05 | 0.000E+00 | 0.000E+00 |
| Pa-231 | 0.000E+00 | 1.024E-02 | 1.026E-02 | 1.032E-02 | 1.031E-02 | 1.886E-02 | 1.843E-05 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 0.000E+00 | 1.522E-03 | 1.513E-03 | 1.561E-03 | 1.560E-03 | 4.490E-04 | 1.614E-04 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 0.000E+00 | 1.393E-02 | 1.394E-02 | 1.396E-02 | 1.395E-02 | 1.994E-03 | 1.812E-03 | 0.000E+00 | 0.000E+00 |
| Th-230 | 0.000E+00 | 3.923E-02 | 4.032E-02 | 4.065E-02 | 4.063E-02 | 1.197E-02 | 5.964E-04 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 1.071E+02 | 1.083E+02 | 1.088E+02 | 1.087E+02 | 4.611E+01 | 8.043E+01 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 5.898E+00 | 5.962E+00 | 5.992E+00 | 5.986E+00 | 2.538E+00 | 4.428E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 2.523E+01 | 2.551E+01 | 2.563E+01 | 2.561E+01 | 1.086E+01 | 1.894E+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 = 3.000E+02 years

| Radio- Nuclide | Contaminat- ted Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|----------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Ac-227 | 3.673E-03 | 0.000E+00 | 0.000E+00 | 1.536E-03 | 3.109E-03 |
| Pa-231 | 1.754E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Pb-210 | 1.196E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Ra-226 | 2.277E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| Th-230 | 2.031E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 7.263E+02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | 4.000E+01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.711E+02 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Ac-227 | 1.536E-03 | 5.296E-04 | 2.543E-03 | 2.764E-03 | 2.768E-03 | 5.285E-06 | 7.959E-06 | 4.658E-02 | 3.105E+00 |
| Pa-231 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 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 |
| Th-230 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 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 | Contaminat- | Surface | Air Par- | Well | Surface |
|-------------------|-------------|-----------|-----------|-----------|-----------|
| | ted Zone | Soil* | ticulate | Water | Water |
| | pCi/g | pCi/g | pCi/m**3 | pCi/l | pCi/l |
| Ac-227 | 3.019E-03 | 0.000E+00 | 0.000E+00 | 9.074E-02 | 1.836E-01 |
| Pa-231 | 1.442E-02 | 0.000E+00 | 0.000E+00 | 3.626E-02 | 7.338E-02 |
| Pb-210 | 4.017E-02 | 0.000E+00 | 0.000E+00 | 2.013E-03 | 4.073E-03 |
| Ra-226 | 7.272E-02 | 0.000E+00 | 0.000E+00 | 2.896E-03 | 5.860E-03 |
| Th-230 | 6.041E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 5.961E+02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | 3.288E+01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | 1.407E+02 | 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 | Nonleafy | Leafy | Fodder | Fodder | Meat | Milk | Fish | Crustacea |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Water | Vegetable | Vegetable | Meat | Milk | | | | |
| | pCi/l | pCi/kg | pCi/kg | pCi/kg | pCi/kg | pCi/kg | pCi/l | pCi/kg | pCi/kg |
| Ac-227 | 9.074E-02 | 3.133E-02 | 1.502E-01 | 1.642E-01 | 1.642E-01 | 3.683E-04 | 4.710E-04 | 2.753E+00 | 1.835E+02 |
| Pa-231 | 3.626E-02 | 1.256E-02 | 6.009E-02 | 6.580E-02 | 6.580E-02 | 3.144E-02 | 4.711E-05 | 7.338E-01 | 8.072E+00 |
| Pb-210 | 2.013E-03 | 6.975E-04 | 3.336E-03 | 3.657E-03 | 3.658E-03 | 2.798E-04 | 1.570E-04 | 1.221E+00 | 4.079E-01 |
| Ra-226 | 2.896E-03 | 1.013E-03 | 4.814E-03 | 5.257E-03 | 5.258E-03 | 5.023E-04 | 7.526E-04 | 2.930E-01 | 1.465E+00 |
| Th-230 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-234 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-235 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| U-238 | 0.000E+00 | 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 |

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Uranium
 File: RESIDEU.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Ac-227 | 5.20E-06 | 2.19E-06 | 0.00E+00 | 2.80E-07 | 0.00E+00 | 0.00E+00 | 2.10E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.77E-06 |
| Pa-231 | 4.81E-05 | 4.07E-05 | 0.00E+00 | 5.70E-05 | 0.00E+00 | 0.00E+00 | 1.46E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.92E-04 |
| Pb-210 | 1.41E-11 | 6.39E-12 | 0.00E+00 | 4.87E-10 | 0.00E+00 | 0.00E+00 | 8.68E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.38E-09 |
| Ra-226 | 2.91E-06 | 3.08E-10 | 0.00E+00 | 3.04E-08 | 0.00E+00 | 0.00E+00 | 2.06E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.97E-06 |
| Th-230 | 2.54E-06 | 8.15E-05 | 0.00E+00 | 2.67E-06 | 0.00E+00 | 0.00E+00 | 5.94E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.46E-04 |
| U-234 | 1.88E-01 | 7.34E+00 | 0.00E+00 | 6.98E-01 | 0.00E+00 | 0.00E+00 | 6.83E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.51E+01 |
| U-235 | 1.88E+01 | 3.77E-01 | 0.00E+00 | 3.62E-02 | 0.00E+00 | 0.00E+00 | 3.54E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.96E+01 |
| U-238 | 1.36E+01 | 1.55E+00 | 0.00E+00 | 1.56E-01 | 0.00E+00 | 0.00E+00 | 1.53E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.68E+01 |
| ===== Total | 3.26E+01 | 9.26E+00 | 0.00E+00 | 8.90E-01 | 0.00E+00 | 0.00E+00 | 8.71E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.15E+01 |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Uranium
 File: RESIDEU.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Ac-227 | 3.44E-05 | 1.44E-05 | 0.00E+00 | 1.62E-06 | 0.00E+00 | 0.00E+00 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.42E-05 |
| Pa-231 | 1.41E-04 | 1.19E-04 | 0.00E+00 | 1.71E-04 | 0.00E+00 | 0.00E+00 | 4.27E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.58E-04 |
| Pb-210 | 2.08E-10 | 9.35E-11 | 0.00E+00 | 6.17E-09 | 0.00E+00 | 0.00E+00 | 1.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.92E-08 |
| Ra-226 | 2.02E-05 | 2.12E-09 | 0.00E+00 | 2.22E-07 | 0.00E+00 | 0.00E+00 | 1.42E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.05E-05 |
| Th-230 | 7.61E-06 | 2.43E-04 | 0.00E+00 | 7.55E-06 | 0.00E+00 | 0.00E+00 | 1.77E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.35E-04 |
| U-234 | 1.88E-01 | 7.29E+00 | 0.00E+00 | 6.93E-01 | 0.00E+00 | 0.00E+00 | 6.78E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E+01 |
| U-235 | 1.88E+01 | 3.74E-01 | 0.00E+00 | 3.60E-02 | 0.00E+00 | 0.00E+00 | 3.52E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.96E+01 |
| U-238 | 1.35E+01 | 1.53E+00 | 0.00E+00 | 1.55E-01 | 0.00E+00 | 0.00E+00 | 1.52E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.67E+01 |
| ===== Total | 3.26E+01 | 9.20E+00 | 0.00E+00 | 8.84E-01 | 0.00E+00 | 0.00E+00 | 8.65E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.13E+01 |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Uranium
 File: RESIDEU.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Ac-227 | 1.60E-04 | 6.64E-05 | 0.00E+00 | 6.96E-06 | 0.00E+00 | 0.00E+00 | 6.34E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.97E-04 |
| Pa-231 | 3.13E-04 | 2.61E-04 | 0.00E+00 | 3.80E-04 | 0.00E+00 | 0.00E+00 | 9.38E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.89E-03 |
| Pb-210 | 2.32E-09 | 1.03E-09 | 0.00E+00 | 6.24E-08 | 0.00E+00 | 0.00E+00 | 1.40E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.06E-07 |
| Ra-226 | 1.04E-04 | 1.08E-08 | 0.00E+00 | 1.16E-06 | 0.00E+00 | 0.00E+00 | 7.25E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.06E-04 |
| Th-230 | 1.77E-05 | 5.60E-04 | 0.00E+00 | 1.70E-05 | 0.00E+00 | 0.00E+00 | 4.08E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.00E-03 |
| U-234 | 1.88E-01 | 7.19E+00 | 0.00E+00 | 6.83E-01 | 0.00E+00 | 0.00E+00 | 6.68E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.47E+01 |
| U-235 | 1.88E+01 | 3.69E-01 | 0.00E+00 | 3.55E-02 | 0.00E+00 | 0.00E+00 | 3.47E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.95E+01 |
| U-238 | 1.35E+01 | 1.51E+00 | 0.00E+00 | 1.53E-01 | 0.00E+00 | 0.00E+00 | 1.50E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.66E+01 |
| ===== Total | 3.25E+01 | 9.07E+00 | 0.00E+00 | 8.72E-01 | 0.00E+00 | 0.00E+00 | 8.53E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.09E+01 |

0*Sum of all water independent and dependent pathways.

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | | | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|--|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | Milk | ALL | |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | |
| Ac-227 | 9.31E-04 | 3.72E-04 | 0.00E+00 | 3.76E-05 | 0.00E+00 | 0.00E+00 | 3.55E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.70E-03 | |
| Pa-231 | 7.92E-04 | 6.35E-04 | 0.00E+00 | 9.29E-04 | 0.00E+00 | 0.00E+00 | 2.28E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.64E-03 | |
| Pb-210 | 5.26E-08 | 2.24E-08 | 0.00E+00 | 1.28E-06 | 0.00E+00 | 0.00E+00 | 3.04E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.40E-06 | |
| Ra-226 | 8.44E-04 | 8.51E-08 | 0.00E+00 | 9.25E-06 | 0.00E+00 | 0.00E+00 | 5.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.59E-04 | |
| Th-230 | 5.30E-05 | 1.60E-03 | 0.00E+00 | 4.81E-05 | 0.00E+00 | 0.00E+00 | 1.16E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-03 | |
| U-234 | 1.87E-01 | 6.83E+00 | 0.00E+00 | 6.49E-01 | 0.00E+00 | 0.00E+00 | 6.35E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E+01 | |
| U-235 | 1.86E+01 | 3.50E-01 | 0.00E+00 | 3.37E-02 | 0.00E+00 | 0.00E+00 | 3.30E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.93E+01 | |
| U-238 | 1.33E+01 | 1.44E+00 | 0.00E+00 | 1.45E-01 | 0.00E+00 | 0.00E+00 | 1.42E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E+01 | |
| ===== Total | 3.21E+01 | 8.62E+00 | 0.00E+00 | 8.29E-01 | 0.00E+00 | 0.00E+00 | 8.11E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.96E+01 | |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Uranium
 File: RESIDEU.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Ac-227 | 2.82E-03 | 1.00E-03 | 0.00E+00 | 9.99E-05 | 0.00E+00 | 0.00E+00 | 9.56E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.87E-03 |
| Pa-231 | 1.47E-03 | 1.05E-03 | 0.00E+00 | 1.54E-03 | 0.00E+00 | 0.00E+00 | 3.77E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.82E-03 |
| Pb-210 | 8.44E-07 | 3.11E-07 | 0.00E+00 | 1.75E-05 | 0.00E+00 | 0.00E+00 | 4.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-05 |
| Ra-226 | 5.45E-03 | 4.98E-07 | 0.00E+00 | 5.44E-05 | 0.00E+00 | 0.00E+00 | 3.34E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.54E-03 |
| Th-230 | 1.51E-04 | 3.96E-03 | 0.00E+00 | 1.19E-04 | 0.00E+00 | 0.00E+00 | 2.89E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.12E-03 |
| U-234 | 1.84E-01 | 5.82E+00 | 0.00E+00 | 5.53E-01 | 0.00E+00 | 0.00E+00 | 5.41E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.20E+01 |
| U-235 | 1.80E+01 | 2.98E-01 | 0.00E+00 | 2.87E-02 | 0.00E+00 | 0.00E+00 | 2.81E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.86E+01 |
| U-238 | 1.26E+01 | 1.22E+00 | 0.00E+00 | 1.24E-01 | 0.00E+00 | 0.00E+00 | 1.21E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.52E+01 |
| ===== Total | 3.08E+01 | 7.35E+00 | 0.00E+00 | 7.08E-01 | 0.00E+00 | 0.00E+00 | 6.91E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.57E+01 |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Uranium
 File: RESIDEU.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Ac-227 | 2.83E-03 | 6.01E-04 | 0.00E+00 | 5.99E-05 | 0.00E+00 | 0.00E+00 | 5.74E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.06E-03 |
| Pa-231 | 1.27E-03 | 5.49E-04 | 0.00E+00 | 8.04E-04 | 0.00E+00 | 0.00E+00 | 1.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.60E-03 |
| Pb-210 | 7.95E-06 | 1.48E-06 | 0.00E+00 | 8.26E-05 | 0.00E+00 | 0.00E+00 | 2.01E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.93E-04 |
| Ra-226 | 2.11E-02 | 1.26E-06 | 0.00E+00 | 1.38E-04 | 0.00E+00 | 0.00E+00 | 8.48E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.13E-02 |
| Th-230 | 3.99E-04 | 5.34E-03 | 0.00E+00 | 1.60E-04 | 0.00E+00 | 0.00E+00 | 3.89E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.80E-03 |
| U-234 | 1.53E-01 | 2.36E+00 | 0.00E+00 | 2.25E-01 | 0.00E+00 | 0.00E+00 | 2.20E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.94E+00 |
| U-235 | 1.28E+01 | 1.21E-01 | 0.00E+00 | 1.17E-02 | 0.00E+00 | 0.00E+00 | 1.14E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.30E+01 |
| U-238 | 8.38E+00 | 4.98E-01 | 0.00E+00 | 5.03E-02 | 0.00E+00 | 0.00E+00 | 4.92E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.42E+00 |
| ===== Total | 2.13E+01 | 2.99E+00 | 0.00E+00 | 2.88E-01 | 0.00E+00 | 0.00E+00 | 2.81E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.74E+01 |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Uranium
 File: RESIDEU.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | | Water Dependent Pathways | | | | | | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | 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 |
| Ac-227 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.34E-02 | 1.88E-03 | 0.00E+00 | 7.74E-05 | 0.00E+00 | 0.00E+00 | 1.54E-02 |
| Pa-231 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| 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 |
| Th-230 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-234 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 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 | 1.34E-02 | 1.88E-03 | 0.00E+00 | 7.74E-05 | 0.00E+00 | 0.00E+00 | 1.54E-02 |

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 Radio- Nuc- lide | Water Independent Pathways | | | | | | | Water Dependent Pathways | | | | | | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | Milk | ALL |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Ac-227 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.84E-01 | 1.10E-01 | 0.00E+00 | 4.53E-03 | 0.00E+00 | 0.00E+00 | 8.99E-01 |
| Pa-231 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.25E-01 | 2.10E-02 | 0.00E+00 | 1.30E-03 | 0.00E+00 | 0.00E+00 | 2.47E-01 |
| Pb-210 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.55E-03 | 2.40E-02 | 0.00E+00 | 4.95E-05 | 0.00E+00 | 0.00E+00 | 3.26E-02 |
| Ra-226 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.25E-03 | 1.05E-03 | 0.00E+00 | 1.31E-05 | 0.00E+00 | 0.00E+00 | 3.32E-03 |
| Th-230 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-234 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 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 | 1.02E+00 | 1.56E-01 | 0.00E+00 | 5.89E-03 | 0.00E+00 | 0.00E+00 | 1.18E+00 |

0*Sum of all water independent and dependent pathways.

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| Total Risk | 4 |
| Dose vs Pathway: Ground External | 5 |
| Dose vs Pathway: Inhalation (w/o Radon) | 6 |
| Dose vs Pathway: Radon (Water Ind.) | 7 |
| Dose vs Pathway: Plant (Water Ind.) | 8 |
| Dose vs Pathway: Meat (Water Ind.) | 9 |
| Dose vs Pathway: Milk (Water Ind.) | 10 |
| Dose vs Pathway: Soil Ingestion | 11 |
| Dose vs Pathway: Water Ingestion | 12 |
| Dose vs Pathway: Fish Ingestion | 13 |
| Dose vs Pathway: Radon (Water Dep.) | 14 |
| Dose vs Pathway: Plant (Water Dep.) | 15 |
| Dose vs Pathway: Meat (Water Dep.) | 16 |
| Dose vs Pathway: Milk (Water Dep.) | 17 |
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| Summary of dose at graphical times, reptition 1..... | 19 |
| Summary of dose at graphical times, reptition 2..... | 20 |
| Summary of dose at graphical times, reptition 3..... | 21 |
| Peak of the mean dose at graphical times..... | 22 |
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Monte Carlo Input
 Number 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 | DCACTC (6) | LOGNORMAL-N | 9.07 | .53 | | |
| 11 | DCACTU1 (6) | LOGNORMAL-N | 8.1 | .03 | | |
| 12 | DCACTU2 (6) | LOGNORMAL-N | 4.84 | 1 | | |
| 13 | DCACTS (6) | LOGNORMAL-N | 4.84 | 1 | | |
| 14 | DCACTC (7) | LOGNORMAL-N | 9.07 | .53 | | |
| 15 | DCACTU1 (7) | LOGNORMAL-N | 8.1 | .03 | | |
| 16 | DCACTU2 (7) | LOGNORMAL-N | 4.84 | 1 | | |
| 17 | DCACTS (7) | LOGNORMAL-N | 4.84 | 1 | | |
| 18 | DCACTC (8) | LOGNORMAL-N | 9.07 | .53 | | |
| 19 | DCACTU1 (8) | LOGNORMAL-N | 8.1 | .03 | | |
| 20 | DCACTU2 (8) | LOGNORMAL-N | 4.84 | 1 | | |
| 21 | DCACTS (8) | LOGNORMAL-N | 4.84 | 1 | | |
| 22 | THICK0 | TRIANGULAR | 0 | .075 | .3 | |
| 23 | FR9 | TRIANGULAR | 0 | .39 | 1 | |
| 24 | DM | TRIANGULAR | 0 | .15 | .6 | |
| 25 | MLINH | CONTINUOUS LINEAR | 8 | 0 | 0 | |
| | | | | .000008 | .0151 | |
| | | | | .000016 | .1365 | |
| | | | | .00003 | .8119 | |
| | | | | .00004 | .9495 | |
| | | | | .00006 | .9937 | |
| | | | | .000076 | .9983 | |
| | | | | .0001 | 1 | |
| 26 | FIND | TRIANGULAR | .69 | .8048 | .84 | |
| 27 | FOTD | TRIANGULAR | 0 | .0342 | .15 | |

=====

| Monte Carlo Total Dose Summary | | | | | | | | | | | |
|--------------------------------|-----------|-----------|----------|----------|----------|----------|--------------------------------|----------|----------|----------|----------|
| 0Nuclide (j) | Peak Time | Peak Dose | t= | 0.00E+00 | 1.00E+00 | 3.00E+00 | DOSE(j,t), mrem/yr 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| ----- | | | | | | | | | | | |
| U-234 | | | | | | | | | | | |
| Min | 0.00E+00 | 9.94E-02 | 9.94E-02 | 6.37E-02 | 8.64E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 1.09E+01 | 1.09E+01 | 1.09E+01 | 1.09E+01 | 1.08E+01 | 1.08E+01 | 7.73E+00 | 0.00E+00 | 1.34E-01 | |
| Avg | 0.00E+00 | 3.42E+00 | 3.42E+00 | 3.40E+00 | 3.35E+00 | 3.19E+00 | 2.72E+00 | 1.20E+00 | 0.00E+00 | 9.01E-03 | |
| Std | 0.00E+00 | 2.13E+00 | 2.13E+00 | 2.13E+00 | 2.13E+00 | 2.13E+00 | 2.12E+00 | 1.72E+00 | 0.00E+00 | 1.99E-02 | |
| U-235 | | | | | | | | | | | |
| Min | 0.00E+00 | 7.85E-01 | 7.85E-01 | 4.81E-01 | 4.48E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 2.54E+01 | 2.54E+01 | 2.54E+01 | 2.53E+01 | 2.53E+01 | 2.52E+01 | 2.42E+01 | 4.65E-01 | 4.50E+00 | |
| Avg | 0.00E+00 | 8.79E+00 | 8.79E+00 | 8.75E+00 | 8.68E+00 | 8.43E+00 | 7.55E+00 | 3.81E+00 | 1.14E-02 | 4.50E-01 | |
| Std | 0.00E+00 | 4.32E+00 | 4.32E+00 | 4.33E+00 | 4.33E+00 | 4.35E+00 | 4.50E+00 | 4.52E+00 | 4.86E-02 | 5.99E-01 | |
| U-238 | | | | | | | | | | | |
| Min | 0.00E+00 | 5.86E-01 | 5.86E-01 | 3.56E-01 | 1.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 2.00E+01 | 2.00E+01 | 2.00E+01 | 2.00E+01 | 1.99E+01 | 1.97E+01 | 1.82E+01 | 0.00E+00 | 8.94E-06 | |
| Avg | 0.00E+00 | 6.81E+00 | 6.81E+00 | 6.78E+00 | 6.72E+00 | 6.49E+00 | 5.75E+00 | 2.83E+00 | 0.00E+00 | 5.12E-07 | |
| Std | 0.00E+00 | 3.26E+00 | 3.26E+00 | 3.27E+00 | 3.27E+00 | 3.29E+00 | 3.40E+00 | 3.35E+00 | 0.00E+00 | 1.29E-06 | |
| äALL | | | | | | | | | | | |
| Min | 0.00E+00 | 1.47E+00 | 1.47E+00 | 9.00E-01 | 1.10E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 5.05E+01 | 5.05E+01 | 5.05E+01 | 5.05E+01 | 5.03E+01 | 4.99E+01 | 4.71E+01 | 4.65E-01 | 4.50E+00 | |
| Avg | 0.00E+00 | 1.90E+01 | 1.90E+01 | 1.89E+01 | 1.88E+01 | 1.81E+01 | 1.60E+01 | 7.84E+00 | 1.14E-02 | 4.59E-01 | |
| Std | 0.00E+00 | 8.43E+00 | 8.43E+00 | 8.44E+00 | 8.47E+00 | 8.59E+00 | 9.05E+00 | 9.21E+00 | 4.86E-02 | 6.12E-01 | |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total dose summed for all nuclides.

| Monte Carlo Risk Summary | | | | | | | | | |
|--------------------------|----|-----------|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide (j) | t= | RISK(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 |
| ----- | | | | | | | | | |
| U-234 | | | | | | | | | |
| Min | | 4.13E-07 | 2.80E-07 | 1.93E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 4.43E-05 | 4.43E-05 | 4.43E-05 | 4.41E-05 | 4.37E-05 | 3.21E-05 | 0.00E+00 | 5.86E-07 |
| Avg | | 1.42E-05 | 1.41E-05 | 1.39E-05 | 1.32E-05 | 1.13E-05 | 5.05E-06 | 0.00E+00 | 3.97E-08 |
| Std | | 8.97E-06 | 8.97E-06 | 8.97E-06 | 8.98E-06 | 8.88E-06 | 7.20E-06 | 0.00E+00 | 8.77E-08 |
| U-235 | | | | | | | | | |
| Min | | 9.90E-06 | 6.81E-06 | 1.13E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 2.70E-04 | 2.70E-04 | 2.70E-04 | 2.70E-04 | 2.69E-04 | 2.58E-04 | 5.80E-07 | 4.93E-06 |
| Avg | | 9.31E-05 | 9.28E-05 | 9.21E-05 | 8.94E-05 | 8.02E-05 | 4.07E-05 | 1.43E-08 | 4.93E-07 |
| Std | | 4.61E-05 | 4.61E-05 | 4.62E-05 | 4.64E-05 | 4.79E-05 | 4.80E-05 | 6.00E-08 | 6.55E-07 |
| U-238 | | | | | | | | | |
| Min | | 9.87E-06 | 6.75E-06 | 6.42E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 2.80E-04 | 2.79E-04 | 2.79E-04 | 2.78E-04 | 2.75E-04 | 2.53E-04 | 0.00E+00 | 3.90E-11 |
| Avg | | 9.23E-05 | 9.19E-05 | 9.11E-05 | 8.81E-05 | 7.82E-05 | 3.89E-05 | 0.00E+00 | 2.27E-12 |
| Std | | 4.59E-05 | 4.59E-05 | 4.59E-05 | 4.60E-05 | 4.72E-05 | 4.62E-05 | 0.00E+00 | 5.68E-12 |
| äALL | | | | | | | | | |
| Min | | 2.02E-05 | 1.38E-05 | 2.69E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 5.70E-04 | 5.70E-04 | 5.69E-04 | 5.67E-04 | 5.62E-04 | 5.28E-04 | 5.80E-07 | 4.93E-06 |
| Avg | | 2.00E-04 | 1.99E-04 | 1.97E-04 | 1.91E-04 | 1.70E-04 | 8.46E-05 | 1.43E-08 | 5.33E-07 |
| Std | | 9.44E-05 | 9.44E-05 | 9.46E-05 | 9.52E-05 | 9.89E-05 | 9.95E-05 | 6.00E-08 | 7.13E-07 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total risk summed for all nuclides.

| 0 | | Monte Carlo 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 | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| U-234 | | | | | | | | | | |
| Min | 2.36E-02 | 2.31E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Max | 2.55E-01 | 2.55E-01 | 2.55E-01 | 2.53E-01 | 2.54E-01 | 3.17E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Avg | 9.03E-02 | 9.01E-02 | 8.96E-02 | 8.82E-02 | 8.31E-02 | 5.29E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Std | 4.28E-02 | 4.28E-02 | 4.29E-02 | 4.31E-02 | 4.60E-02 | 5.94E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| U-235 | | | | | | | | | | |
| Min | 7.82E-01 | 4.78E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Max | 2.52E+01 | 2.52E+01 | 2.52E+01 | 2.52E+01 | 2.50E+01 | 2.41E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Avg | 8.61E+00 | 8.58E+00 | 8.52E+00 | 8.27E+00 | 7.41E+00 | 3.75E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Std | 4.30E+00 | 4.30E+00 | 4.31E+00 | 4.32E+00 | 4.46E+00 | 4.46E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| U-238 | | | | | | | | | | |
| Min | 5.70E-01 | 3.47E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Max | 1.91E+01 | 1.91E+01 | 1.90E+01 | 1.90E+01 | 1.87E+01 | 1.73E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Avg | 6.08E+00 | 6.06E+00 | 6.00E+00 | 5.81E+00 | 5.17E+00 | 2.57E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Std | 3.13E+00 | 3.13E+00 | 3.13E+00 | 3.13E+00 | 3.19E+00 | 3.09E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| äALL | | | | | | | | | | |
| Min | 1.38E+00 | 8.48E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Max | 4.45E+01 | 4.45E+01 | 4.45E+01 | 4.44E+01 | 4.40E+01 | 4.17E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Avg | 1.48E+01 | 1.47E+01 | 1.46E+01 | 1.42E+01 | 1.27E+01 | 6.38E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Std | 7.46E+00 | 7.47E+00 | 7.47E+00 | 7.49E+00 | 7.69E+00 | 7.60E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | |

äALL is total pathway dose summed for all nuclides.

| 0 Monte Carlo Dose vs Pathway(i): Inhalation (w/o Radon) | | | | | | | | | |
|--|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | DOSE(i,j,t), mrem/yr | | | | | | | | |
| (j) | t= | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | | 1.74E-02 | 1.00E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 4.15E+00 | 4.15E+00 | 4.15E+00 | 4.14E+00 | 4.14E+00 | 3.60E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.06E+00 | 1.05E+00 | 1.04E+00 | 9.88E-01 | 8.45E-01 | 3.79E-01 | 0.00E+00 | 0.00E+00 |
| Std | | 8.10E-01 | 8.09E-01 | 8.08E-01 | 8.05E-01 | 7.92E-01 | 6.31E-01 | 0.00E+00 | 0.00E+00 |
| U-235 | | | | | | | | | |
| Min | | 8.91E-04 | 5.14E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 2.13E-01 | 2.13E-01 | 2.13E-01 | 2.13E-01 | 2.14E-01 | 1.87E-01 | 0.00E+00 | 0.00E+00 |
| Avg | | 5.42E-02 | 5.39E-02 | 5.32E-02 | 5.08E-02 | 4.37E-02 | 1.98E-02 | 0.00E+00 | 0.00E+00 |
| Std | | 4.15E-02 | 4.15E-02 | 4.15E-02 | 4.14E-02 | 4.10E-02 | 3.30E-02 | 0.00E+00 | 0.00E+00 |
| U-238 | | | | | | | | | |
| Min | | 3.66E-03 | 2.11E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 8.73E-01 | 8.73E-01 | 8.73E-01 | 8.72E-01 | 8.71E-01 | 7.57E-01 | 0.00E+00 | 0.00E+00 |
| Avg | | 2.22E-01 | 2.21E-01 | 2.18E-01 | 2.08E-01 | 1.78E-01 | 7.96E-02 | 0.00E+00 | 0.00E+00 |
| Std | | 1.70E-01 | 1.70E-01 | 1.70E-01 | 1.69E-01 | 1.67E-01 | 1.33E-01 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 2.19E-02 | 1.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 5.23E+00 | 5.23E+00 | 5.23E+00 | 5.23E+00 | 5.22E+00 | 4.54E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.33E+00 | 1.32E+00 | 1.31E+00 | 1.25E+00 | 1.07E+00 | 4.78E-01 | 0.00E+00 | 0.00E+00 |
| Std | | 1.02E+00 | 1.02E+00 | 1.02E+00 | 1.02E+00 | 1.00E+00 | 7.97E-01 | 0.00E+00 | 0.00E+00 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | | 1.55E-02 | 9.07E-03 | 8.64E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 2.58E+00 | 2.57E+00 | 2.55E+00 | 2.48E+00 | 2.28E+00 | 1.57E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | 3.61E-01 | 3.58E-01 | 3.52E-01 | 3.31E-01 | 2.72E-01 | 1.10E-01 | 0.00E+00 | 0.00E+00 |
| Std | | 3.61E-01 | 3.59E-01 | 3.55E-01 | 3.42E-01 | 3.06E-01 | 1.91E-01 | 0.00E+00 | 0.00E+00 |
| U-235 | | | | | | | | | |
| Min | | 8.05E-04 | 4.71E-04 | 4.48E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 1.34E-01 | 1.34E-01 | 1.34E-01 | 1.33E-01 | 1.29E-01 | 9.71E-02 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.88E-02 | 1.87E-02 | 1.85E-02 | 1.77E-02 | 1.51E-02 | 6.47E-03 | 0.00E+00 | 0.00E+00 |
| Std | | 1.87E-02 | 1.87E-02 | 1.86E-02 | 1.83E-02 | 1.71E-02 | 1.14E-02 | 0.00E+00 | 0.00E+00 |
| U-238 | | | | | | | | | |
| Min | | 3.47E-03 | 2.03E-03 | 1.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 5.77E-01 | 5.75E-01 | 5.71E-01 | 5.55E-01 | 5.09E-01 | 3.51E-01 | 0.00E+00 | 0.00E+00 |
| Avg | | 8.08E-02 | 8.02E-02 | 7.88E-02 | 7.41E-02 | 6.09E-02 | 2.46E-02 | 0.00E+00 | 0.00E+00 |
| Std | | 8.07E-02 | 8.03E-02 | 7.94E-02 | 7.64E-02 | 6.84E-02 | 4.25E-02 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 1.98E-02 | 1.16E-02 | 1.10E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 3.29E+00 | 3.28E+00 | 3.25E+00 | 3.17E+00 | 2.91E+00 | 2.02E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | 4.61E-01 | 4.57E-01 | 4.49E-01 | 4.23E-01 | 3.48E-01 | 1.41E-01 | 0.00E+00 | 0.00E+00 |
| Std | | 4.60E-01 | 4.58E-01 | 4.53E-01 | 4.36E-01 | 3.91E-01 | 2.44E-01 | 0.00E+00 | 0.00E+00 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo Dose vs Pathway(i): Meat (Water Ind.) | | | | | | | |
|----------|-------|---|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | | DOSE(i,j,t), mrem/yr | | | | | | | |
| (j) | t= | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo Dose vs Pathway(i): Milk (Water Ind.) | | | | | | | |
|----------|-------|---|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | 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 |
| (j) | | DOSE(i,j,t), mrem/yr | | | | | | | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 Monte Carlo 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 | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | 3.73E-02 | 2.16E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 6.16E+00 | 6.16E+00 | 6.16E+00 | 6.16E+00 | 6.14E+00 | 5.25E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 1.91E+00 | 1.90E+00 | 1.87E+00 | 1.79E+00 | 1.52E+00 | 6.59E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 1.43E+00 | 1.43E+00 | 1.42E+00 | 1.41E+00 | 1.36E+00 | 1.02E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | | | | | | | | | |
| Min | 1.94E-03 | 1.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 3.20E-01 | 3.20E-01 | 3.21E-01 | 3.22E-01 | 3.25E-01 | 2.90E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 9.93E-02 | 9.87E-02 | 9.76E-02 | 9.35E-02 | 8.05E-02 | 3.57E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 7.41E-02 | 7.41E-02 | 7.41E-02 | 7.40E-02 | 7.22E-02 | 5.53E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | | | | | | | | | |
| Min | 8.35E-03 | 4.82E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 1.38E+00 | 1.38E+00 | 1.38E+00 | 1.38E+00 | 1.38E+00 | 1.18E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 4.28E-01 | 4.25E-01 | 4.19E-01 | 4.00E-01 | 3.40E-01 | 1.47E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 3.19E-01 | 3.19E-01 | 3.18E-01 | 3.16E-01 | 3.05E-01 | 2.28E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 4.76E-02 | 2.75E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 7.86E+00 | 7.86E+00 | 7.86E+00 | 7.86E+00 | 7.84E+00 | 6.73E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 2.44E+00 | 2.42E+00 | 2.39E+00 | 2.28E+00 | 1.94E+00 | 8.42E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 1.82E+00 | 1.82E+00 | 1.82E+00 | 1.80E+00 | 1.74E+00 | 1.30E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 Monte Carlo Dose vs Pathway(i): Water Ingestion | | | | | | | | | |
|---|-----|----------|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | 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 |
| (j) | | | | | | | | | |
| | | | | | | | | | |
| U-234 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.26E-02 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.84E-03 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-03 |
| U-235 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.42E-06 | 4.16E-01 | 3.96E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.73E-09 | 1.02E-02 | 3.98E-01 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.19E-08 | 4.34E-02 | 5.30E-01 |
| U-238 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.81E-06 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.64E-07 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.09E-07 |
| äALL | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.42E-06 | 4.16E-01 | 3.96E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.73E-09 | 1.02E-02 | 4.00E-01 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.19E-08 | 4.34E-02 | 5.34E-01 |

äALL is total pathway dose summed for all nuclides.

| 0 Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.02E-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 | 6.15E-03 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.43E-02 |
| U-235 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-07 | 5.04E-02 | 5.23E-01 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.94E-10 | 1.23E-03 | 4.96E-02 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.03E-08 | 5.29E-03 | 7.47E-02 |
| U-238 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.04E-06 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.47E-07 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.12E-07 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.78E-07 | 5.04E-02 | 5.23E-01 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.94E-10 | 1.23E-03 | 5.58E-02 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.03E-08 | 5.29E-03 | 8.50E-02 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.47E-04 |
| Avg | 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-05 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.54E-05 |
| U-235 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.83E-09 | 2.40E-03 | 2.29E-02 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.61E-11 | 5.86E-05 | 2.30E-03 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.51E-10 | 2.50E-04 | 3.06E-03 |
| U-238 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.63E-08 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.53E-10 |
| Std | 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-09 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.83E-09 | 2.40E-03 | 2.29E-02 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.61E-11 | 5.86E-05 | 2.31E-03 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.51E-10 | 2.50E-04 | 3.08E-03 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo Dose vs Pathway(i): Meat (Water Dep.) | | | | | | | |
|----------|----------|---|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | 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 |
| (j) | | DOSE(i,j,t), mrem/yr | | | | | | | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo Dose vs Pathway(i): Milk (Water Dep.) | | | | | | | |
|----------|-------|---|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | 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 |
| (j) | | DOSE(i,j,t), mrem/yr | | | | | | | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| U-234 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-235 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| U-238 | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

MC 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 | 6.07E+00 | 5.99E+00 | 5.81E+00 | 4.70E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.23E-09 |
| 0.050 | 7.49E+00 | 7.28E+00 | 7.06E+00 | 6.12E+00 | 1.36E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.85E-07 |
| 0.075 | 8.66E+00 | 8.57E+00 | 8.32E+00 | 7.30E+00 | 3.76E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.39E-06 |
| 0.100 | 9.37E+00 | 9.24E+00 | 8.98E+00 | 7.94E+00 | 5.10E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.73E-04 |
| 0.125 | 1.01E+01 | 1.00E+01 | 9.82E+00 | 8.96E+00 | 6.11E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.44E-03 |
| 0.150 | 1.07E+01 | 1.06E+01 | 1.02E+01 | 9.63E+00 | 7.13E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.15E-03 |
| 0.175 | 1.15E+01 | 1.14E+01 | 1.12E+01 | 1.06E+01 | 8.02E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-02 |
| 0.200 | 1.19E+01 | 1.19E+01 | 1.18E+01 | 1.11E+01 | 8.51E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.10E-02 |
| 0.225 | 1.25E+01 | 1.24E+01 | 1.23E+01 | 1.16E+01 | 9.44E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.86E-02 |
| 0.250 | 1.31E+01 | 1.31E+01 | 1.29E+01 | 1.21E+01 | 1.03E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.30E-02 |
| 0.275 | 1.36E+01 | 1.36E+01 | 1.32E+01 | 1.26E+01 | 1.09E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.53E-02 |
| 0.300 | 1.43E+01 | 1.42E+01 | 1.41E+01 | 1.34E+01 | 1.11E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.43E-02 |
| 0.325 | 1.48E+01 | 1.48E+01 | 1.45E+01 | 1.40E+01 | 1.18E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.87E-02 |
| 0.350 | 1.55E+01 | 1.55E+01 | 1.53E+01 | 1.45E+01 | 1.27E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.91E-02 |
| 0.375 | 1.60E+01 | 1.59E+01 | 1.58E+01 | 1.52E+01 | 1.31E+01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.11E-01 |
| 0.400 | 1.63E+01 | 1.63E+01 | 1.60E+01 | 1.56E+01 | 1.35E+01 | 0.00E+00 | 7.99E-10 | 1.23E-01 | |
| 0.425 | 1.66E+01 | 1.65E+01 | 1.64E+01 | 1.58E+01 | 1.41E+01 | 1.45E+00 | 3.39E-07 | 1.36E-01 | |
| 0.450 | 1.68E+01 | 1.67E+01 | 1.66E+01 | 1.61E+01 | 1.43E+01 | 3.54E+00 | 3.00E-06 | 1.79E-01 | |
| 0.475 | 1.71E+01 | 1.71E+01 | 1.70E+01 | 1.64E+01 | 1.47E+01 | 4.19E+00 | 1.62E-05 | 2.10E-01 | |
| 0.500 | 1.75E+01 | 1.75E+01 | 1.73E+01 | 1.68E+01 | 1.53E+01 | 4.93E+00 | 2.99E-05 | 2.48E-01 | |
| 0.525 | 1.78E+01 | 1.78E+01 | 1.76E+01 | 1.70E+01 | 1.57E+01 | 5.70E+00 | 4.92E-05 | 2.63E-01 | |
| 0.550 | 1.84E+01 | 1.84E+01 | 1.80E+01 | 1.75E+01 | 1.61E+01 | 6.66E+00 | 5.64E-05 | 2.74E-01 | |
| 0.575 | 1.87E+01 | 1.87E+01 | 1.86E+01 | 1.81E+01 | 1.64E+01 | 7.26E+00 | 1.05E-04 | 2.91E-01 | |
| 0.600 | 1.91E+01 | 1.90E+01 | 1.89E+01 | 1.87E+01 | 1.69E+01 | 8.56E+00 | 1.23E-04 | 3.23E-01 | |
| 0.625 | 2.00E+01 | 2.00E+01 | 1.99E+01 | 1.94E+01 | 1.73E+01 | 9.46E+00 | 1.92E-04 | 3.58E-01 | |
| 0.650 | 2.08E+01 | 2.07E+01 | 2.07E+01 | 1.99E+01 | 1.80E+01 | 1.09E+01 | 3.49E-04 | 4.48E-01 | |
| 0.675 | 2.14E+01 | 2.13E+01 | 2.13E+01 | 2.08E+01 | 1.86E+01 | 1.13E+01 | 4.62E-04 | 4.90E-01 | |
| 0.700 | 2.23E+01 | 2.23E+01 | 2.22E+01 | 2.16E+01 | 1.93E+01 | 1.22E+01 | 6.78E-04 | 5.28E-01 | |
| 0.725 | 2.29E+01 | 2.28E+01 | 2.26E+01 | 2.19E+01 | 2.00E+01 | 1.26E+01 | 1.42E-03 | 5.68E-01 | |
| 0.750 | 2.37E+01 | 2.36E+01 | 2.34E+01 | 2.27E+01 | 2.08E+01 | 1.34E+01 | 1.97E-03 | 6.51E-01 | |
| 0.775 | 2.45E+01 | 2.43E+01 | 2.41E+01 | 2.34E+01 | 2.18E+01 | 1.39E+01 | 2.35E-03 | 6.90E-01 | |
| 0.800 | 2.57E+01 | 2.56E+01 | 2.56E+01 | 2.48E+01 | 2.26E+01 | 1.51E+01 | 3.50E-03 | 7.33E-01 | |
| 0.825 | 2.67E+01 | 2.66E+01 | 2.62E+01 | 2.57E+01 | 2.41E+01 | 1.62E+01 | 4.71E-03 | 8.86E-01 | |
| 0.850 | 2.75E+01 | 2.72E+01 | 2.70E+01 | 2.64E+01 | 2.47E+01 | 1.73E+01 | 6.29E-03 | 1.05E+00 | |
| 0.875 | 2.86E+01 | 2.85E+01 | 2.81E+01 | 2.76E+01 | 2.62E+01 | 1.93E+01 | 1.30E-02 | 1.12E+00 | |
| 0.900 | 3.04E+01 | 3.03E+01 | 3.02E+01 | 2.98E+01 | 2.82E+01 | 2.01E+01 | 1.83E-02 | 1.26E+00 | |
| 0.925 | 3.21E+01 | 3.20E+01 | 3.19E+01 | 3.16E+01 | 3.03E+01 | 2.30E+01 | 2.60E-02 | 1.45E+00 | |
| 0.950 | 3.43E+01 | 3.43E+01 | 3.42E+01 | 3.36E+01 | 3.21E+01 | 2.54E+01 | 4.44E-02 | 1.75E+00 | |
| 0.975 | 4.13E+01 | 4.13E+01 | 4.12E+01 | 4.07E+01 | 3.83E+01 | 2.93E+01 | 1.39E-01 | 2.11E+00 | |
| 1.000 | 5.05E+01 | 5.05E+01 | 5.05E+01 | 5.03E+01 | 4.99E+01 | 4.71E+01 | 4.65E-01 | 4.50E+00 | |

| Summary of dose at graphical times, reptition 1 | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------|----------|
| Time Years | Dose statistics at graphical times, mrem/yr | | | | | | | |
| | Minimum | Maximum | Mean | Median | 90% | 95% | 97.5% | 99% |
| 0.00E+00 | 3.56E+00 | 4.83E+01 | 1.92E+01 | 1.80E+01 | 2.98E+01 | 3.51E+01 | 4.48E+01 | 4.83E+01 |
| 1.00E+00 | 3.32E+00 | 4.83E+01 | 1.92E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.48E+01 | 4.83E+01 |
| 1.06E+00 | 3.30E+00 | 4.83E+01 | 1.92E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.12E+00 | 3.29E+00 | 4.83E+01 | 1.92E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.19E+00 | 3.27E+00 | 4.83E+01 | 1.92E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.25E+00 | 3.25E+00 | 4.83E+01 | 1.91E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.33E+00 | 3.23E+00 | 4.83E+01 | 1.91E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.40E+00 | 3.21E+00 | 4.83E+01 | 1.91E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.49E+00 | 3.19E+00 | 4.83E+01 | 1.91E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.57E+00 | 3.17E+00 | 4.83E+01 | 1.91E+01 | 1.79E+01 | 2.97E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.66E+00 | 3.15E+00 | 4.83E+01 | 1.91E+01 | 1.78E+01 | 2.96E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.76E+00 | 3.12E+00 | 4.83E+01 | 1.91E+01 | 1.78E+01 | 2.96E+01 | 3.51E+01 | 4.47E+01 | 4.83E+01 |
| 1.86E+00 | 3.10E+00 | 4.83E+01 | 1.91E+01 | 1.78E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 1.97E+00 | 3.07E+00 | 4.83E+01 | 1.91E+01 | 1.78E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.09E+00 | 3.04E+00 | 4.83E+01 | 1.91E+01 | 1.78E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.21E+00 | 3.01E+00 | 4.83E+01 | 1.91E+01 | 1.77E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.34E+00 | 2.97E+00 | 4.83E+01 | 1.91E+01 | 1.77E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.47E+00 | 2.94E+00 | 4.83E+01 | 1.90E+01 | 1.77E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.62E+00 | 2.90E+00 | 4.83E+01 | 1.90E+01 | 1.77E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.77E+00 | 2.86E+00 | 4.83E+01 | 1.90E+01 | 1.76E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 2.93E+00 | 2.81E+00 | 4.83E+01 | 1.90E+01 | 1.76E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 3.00E+00 | 2.80E+00 | 4.83E+01 | 1.90E+01 | 1.76E+01 | 2.96E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 3.10E+00 | 2.77E+00 | 4.83E+01 | 1.90E+01 | 1.76E+01 | 2.95E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 3.28E+00 | 2.72E+00 | 4.83E+01 | 1.90E+01 | 1.76E+01 | 2.95E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 3.48E+00 | 2.67E+00 | 4.83E+01 | 1.90E+01 | 1.76E+01 | 2.95E+01 | 3.50E+01 | 4.47E+01 | 4.83E+01 |
| 3.68E+00 | 2.61E+00 | 4.83E+01 | 1.89E+01 | 1.76E+01 | 2.95E+01 | 3.50E+01 | 4.46E+01 | 4.83E+01 |
| 3.89E+00 | 2.55E+00 | 4.83E+01 | 1.89E+01 | 1.75E+01 | 2.95E+01 | 3.50E+01 | 4.46E+01 | 4.83E+01 |
| 4.12E+00 | 2.49E+00 | 4.83E+01 | 1.89E+01 | 1.75E+01 | 2.95E+01 | 3.50E+01 | 4.46E+01 | 4.83E+01 |
| 4.36E+00 | 2.42E+00 | 4.83E+01 | 1.89E+01 | 1.75E+01 | 2.95E+01 | 3.49E+01 | 4.46E+01 | 4.83E+01 |
| 4.61E+00 | 2.34E+00 | 4.83E+01 | 1.89E+01 | 1.75E+01 | 2.94E+01 | 3.49E+01 | 4.46E+01 | 4.83E+01 |
| 4.88E+00 | 2.26E+00 | 4.83E+01 | 1.88E+01 | 1.75E+01 | 2.94E+01 | 3.49E+01 | 4.46E+01 | 4.83E+01 |
| 5.17E+00 | 2.18E+00 | 4.83E+01 | 1.88E+01 | 1.74E+01 | 2.94E+01 | 3.49E+01 | 4.46E+01 | 4.82E+01 |
| 5.47E+00 | 2.08E+00 | 4.83E+01 | 1.88E+01 | 1.74E+01 | 2.94E+01 | 3.49E+01 | 4.46E+01 | 4.82E+01 |
| 5.78E+00 | 1.98E+00 | 4.82E+01 | 1.88E+01 | 1.74E+01 | 2.93E+01 | 3.49E+01 | 4.46E+01 | 4.82E+01 |
| 6.12E+00 | 1.88E+00 | 4.82E+01 | 1.87E+01 | 1.74E+01 | 2.93E+01 | 3.49E+01 | 4.45E+01 | 4.82E+01 |
| 6.48E+00 | 1.76E+00 | 4.82E+01 | 1.87E+01 | 1.73E+01 | 2.93E+01 | 3.49E+01 | 4.45E+01 | 4.82E+01 |
| 6.86E+00 | 1.63E+00 | 4.82E+01 | 1.87E+01 | 1.73E+01 | 2.93E+01 | 3.48E+01 | 4.45E+01 | 4.82E+01 |
| 7.26E+00 | 1.49E+00 | 4.82E+01 | 1.86E+01 | 1.73E+01 | 2.92E+01 | 3.48E+01 | 4.45E+01 | 4.82E+01 |
| 7.68E+00 | 1.34E+00 | 4.82E+01 | 1.86E+01 | 1.73E+01 | 2.92E+01 | 3.48E+01 | 4.45E+01 | 4.82E+01 |
| 8.13E+00 | 1.18E+00 | 4.82E+01 | 1.85E+01 | 1.73E+01 | 2.92E+01 | 3.48E+01 | 4.45E+01 | 4.82E+01 |
| 8.60E+00 | 9.91E-01 | 4.82E+01 | 1.85E+01 | 1.73E+01 | 2.91E+01 | 3.48E+01 | 4.44E+01 | 4.82E+01 |
| 9.10E+00 | 7.86E-01 | 4.82E+01 | 1.85E+01 | 1.72E+01 | 2.91E+01 | 3.47E+01 | 4.44E+01 | 4.82E+01 |
| 9.63E+00 | 5.57E-01 | 4.82E+01 | 1.84E+01 | 1.72E+01 | 2.91E+01 | 3.47E+01 | 4.44E+01 | 4.82E+01 |
| 1.00E+01 | 3.88E-01 | 4.82E+01 | 1.84E+01 | 1.72E+01 | 2.90E+01 | 3.47E+01 | 4.44E+01 | 4.82E+01 |
| 1.02E+01 | 2.98E-01 | 4.82E+01 | 1.83E+01 | 1.72E+01 | 2.90E+01 | 3.47E+01 | 4.44E+01 | 4.82E+01 |
| 1.08E+01 | 6.61E-02 | 4.82E+01 | 1.83E+01 | 1.72E+01 | 2.90E+01 | 3.47E+01 | 4.43E+01 | 4.82E+01 |
| 1.14E+01 | 2.73E-08 | 4.81E+01 | 1.82E+01 | 1.71E+01 | 2.89E+01 | 3.46E+01 | 4.43E+01 | 4.81E+01 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.21E+01 | 0.00E+00 | 4.81E+01 | 1.82E+01 | 1.70E+01 | 2.89E+01 | 3.46E+01 | 4.43E+01 | 4.81E+01 |
| 1.28E+01 | 0.00E+00 | 4.81E+01 | 1.81E+01 | 1.70E+01 | 2.88E+01 | 3.46E+01 | 4.43E+01 | 4.81E+01 |
| 1.35E+01 | 0.00E+00 | 4.81E+01 | 1.80E+01 | 1.69E+01 | 2.88E+01 | 3.45E+01 | 4.42E+01 | 4.81E+01 |
| 1.43E+01 | 0.00E+00 | 4.81E+01 | 1.80E+01 | 1.68E+01 | 2.87E+01 | 3.44E+01 | 4.42E+01 | 4.81E+01 |
| 1.51E+01 | 0.00E+00 | 4.81E+01 | 1.79E+01 | 1.68E+01 | 2.86E+01 | 3.44E+01 | 4.42E+01 | 4.81E+01 |
| 1.60E+01 | 0.00E+00 | 4.81E+01 | 1.78E+01 | 1.67E+01 | 2.85E+01 | 3.43E+01 | 4.41E+01 | 4.81E+01 |
| 1.70E+01 | 0.00E+00 | 4.80E+01 | 1.77E+01 | 1.66E+01 | 2.84E+01 | 3.42E+01 | 4.41E+01 | 4.80E+01 |
| 1.80E+01 | 0.00E+00 | 4.80E+01 | 1.76E+01 | 1.65E+01 | 2.83E+01 | 3.41E+01 | 4.40E+01 | 4.80E+01 |
| 1.90E+01 | 0.00E+00 | 4.80E+01 | 1.75E+01 | 1.64E+01 | 2.82E+01 | 3.40E+01 | 4.40E+01 | 4.80E+01 |
| 2.01E+01 | 0.00E+00 | 4.80E+01 | 1.74E+01 | 1.63E+01 | 2.81E+01 | 3.39E+01 | 4.39E+01 | 4.80E+01 |
| 2.13E+01 | 0.00E+00 | 4.80E+01 | 1.72E+01 | 1.63E+01 | 2.80E+01 | 3.38E+01 | 4.39E+01 | 4.80E+01 |
| 2.25E+01 | 0.00E+00 | 4.79E+01 | 1.71E+01 | 1.62E+01 | 2.78E+01 | 3.37E+01 | 4.38E+01 | 4.79E+01 |
| 2.38E+01 | 0.00E+00 | 4.79E+01 | 1.70E+01 | 1.61E+01 | 2.77E+01 | 3.36E+01 | 4.37E+01 | 4.79E+01 |
| 2.52E+01 | 0.00E+00 | 4.79E+01 | 1.68E+01 | 1.61E+01 | 2.76E+01 | 3.34E+01 | 4.37E+01 | 4.79E+01 |
| 2.67E+01 | 0.00E+00 | 4.79E+01 | 1.66E+01 | 1.59E+01 | 2.75E+01 | 3.33E+01 | 4.36E+01 | 4.78E+01 |
| 2.82E+01 | 0.00E+00 | 4.78E+01 | 1.65E+01 | 1.57E+01 | 2.73E+01 | 3.32E+01 | 4.35E+01 | 4.78E+01 |
| 2.99E+01 | 0.00E+00 | 4.78E+01 | 1.63E+01 | 1.57E+01 | 2.71E+01 | 3.30E+01 | 4.34E+01 | 4.78E+01 |
| 3.00E+01 | 0.00E+00 | 4.78E+01 | 1.63E+01 | 1.57E+01 | 2.71E+01 | 3.30E+01 | 4.34E+01 | 4.78E+01 |
| 3.16E+01 | 0.00E+00 | 4.77E+01 | 1.61E+01 | 1.57E+01 | 2.70E+01 | 3.28E+01 | 4.34E+01 | 4.77E+01 |
| 3.35E+01 | 0.00E+00 | 4.77E+01 | 1.59E+01 | 1.55E+01 | 2.68E+01 | 3.26E+01 | 4.33E+01 | 4.77E+01 |
| 3.54E+01 | 0.00E+00 | 4.77E+01 | 1.56E+01 | 1.54E+01 | 2.66E+01 | 3.24E+01 | 4.32E+01 | 4.77E+01 |
| 3.75E+01 | 0.00E+00 | 4.76E+01 | 1.54E+01 | 1.50E+01 | 2.63E+01 | 3.22E+01 | 4.30E+01 | 4.76E+01 |
| 3.97E+01 | 0.00E+00 | 4.76E+01 | 1.51E+01 | 1.48E+01 | 2.61E+01 | 3.19E+01 | 4.29E+01 | 4.75E+01 |
| 4.20E+01 | 0.00E+00 | 4.75E+01 | 1.48E+01 | 1.45E+01 | 2.58E+01 | 3.16E+01 | 4.28E+01 | 4.75E+01 |
| 4.44E+01 | 0.00E+00 | 4.74E+01 | 1.45E+01 | 1.43E+01 | 2.55E+01 | 3.13E+01 | 4.27E+01 | 4.74E+01 |
| 4.70E+01 | 0.00E+00 | 4.74E+01 | 1.42E+01 | 1.41E+01 | 2.52E+01 | 3.10E+01 | 4.25E+01 | 4.74E+01 |
| 4.97E+01 | 0.00E+00 | 4.73E+01 | 1.38E+01 | 1.40E+01 | 2.48E+01 | 3.06E+01 | 4.23E+01 | 4.73E+01 |
| 5.26E+01 | 0.00E+00 | 4.72E+01 | 1.35E+01 | 1.39E+01 | 2.45E+01 | 3.02E+01 | 4.22E+01 | 4.72E+01 |
| 5.57E+01 | 0.00E+00 | 4.71E+01 | 1.31E+01 | 1.35E+01 | 2.43E+01 | 2.98E+01 | 4.20E+01 | 4.71E+01 |
| 5.90E+01 | 0.00E+00 | 4.70E+01 | 1.27E+01 | 1.33E+01 | 2.42E+01 | 2.93E+01 | 4.17E+01 | 4.70E+01 |
| 6.24E+01 | 0.00E+00 | 4.68E+01 | 1.23E+01 | 1.27E+01 | 2.39E+01 | 2.88E+01 | 4.15E+01 | 4.68E+01 |
| 6.60E+01 | 0.00E+00 | 4.66E+01 | 1.18E+01 | 1.20E+01 | 2.35E+01 | 2.82E+01 | 4.12E+01 | 4.66E+01 |
| 6.99E+01 | 0.00E+00 | 4.64E+01 | 1.13E+01 | 1.13E+01 | 2.31E+01 | 2.75E+01 | 4.09E+01 | 4.64E+01 |
| 7.39E+01 | 0.00E+00 | 4.62E+01 | 1.08E+01 | 1.03E+01 | 2.27E+01 | 2.68E+01 | 4.06E+01 | 4.62E+01 |
| 7.82E+01 | 0.00E+00 | 4.60E+01 | 1.03E+01 | 9.56E+00 | 2.23E+01 | 2.65E+01 | 4.03E+01 | 4.60E+01 |
| 8.28E+01 | 0.00E+00 | 4.57E+01 | 9.75E+00 | 8.81E+00 | 2.18E+01 | 2.62E+01 | 3.98E+01 | 4.57E+01 |
| 8.76E+01 | 0.00E+00 | 4.54E+01 | 9.22E+00 | 7.81E+00 | 2.09E+01 | 2.53E+01 | 3.94E+01 | 4.54E+01 |
| 9.27E+01 | 0.00E+00 | 4.51E+01 | 8.66E+00 | 6.95E+00 | 2.05E+01 | 2.44E+01 | 3.89E+01 | 4.50E+01 |
| 9.81E+01 | 0.00E+00 | 4.47E+01 | 8.07E+00 | 5.89E+00 | 1.99E+01 | 2.33E+01 | 3.83E+01 | 4.47E+01 |
| 1.00E+02 | 0.00E+00 | 4.45E+01 | 7.88E+00 | 5.63E+00 | 1.98E+01 | 2.32E+01 | 3.81E+01 | 4.45E+01 |
| 1.04E+02 | 0.00E+00 | 4.42E+01 | 7.49E+00 | 4.53E+00 | 1.96E+01 | 2.31E+01 | 3.76E+01 | 4.42E+01 |
| 1.10E+02 | 0.00E+00 | 4.38E+01 | 6.91E+00 | 2.64E+00 | 1.87E+01 | 2.28E+01 | 3.66E+01 | 4.37E+01 |
| 1.16E+02 | 0.00E+00 | 4.32E+01 | 6.32E+00 | 1.68E-02 | 1.80E+01 | 2.25E+01 | 3.55E+01 | 4.32E+01 |
| 1.23E+02 | 0.00E+00 | 4.25E+01 | 5.76E+00 | 0.00E+00 | 1.70E+01 | 2.22E+01 | 3.42E+01 | 4.25E+01 |
| 1.30E+02 | 0.00E+00 | 4.18E+01 | 5.17E+00 | 0.00E+00 | 1.61E+01 | 2.17E+01 | 3.27E+01 | 4.17E+01 |
| 1.38E+02 | 0.00E+00 | 4.09E+01 | 4.59E+00 | 0.00E+00 | 1.50E+01 | 2.12E+01 | 3.10E+01 | 4.09E+01 |
| 1.46E+02 | 0.00E+00 | 3.99E+01 | 4.01E+00 | 0.00E+00 | 1.38E+01 | 1.99E+01 | 2.90E+01 | 3.98E+01 |
| 1.54E+02 | 0.00E+00 | 3.86E+01 | 3.46E+00 | 0.00E+00 | 1.23E+01 | 1.85E+01 | 2.66E+01 | 3.85E+01 |
| 1.63E+02 | 0.00E+00 | 3.71E+01 | 2.94E+00 | 0.00E+00 | 1.06E+01 | 1.68E+01 | 2.50E+01 | 3.70E+01 |
| 1.73E+02 | 0.00E+00 | 3.53E+01 | 2.45E+00 | 0.00E+00 | 9.56E+00 | 1.49E+01 | 2.30E+01 | 3.52E+01 |

| Summary of dose at graphical times, reptition 2 | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------|----------|
| Time Years | Dose statistics at graphical times, mrem/yr | | | | | | | |
| | Minimum | Maximum | Mean | Median | 90% | 95% | 97.5% | 99% |
| 0.00E+00 | 4.19E+00 | 5.05E+01 | 1.90E+01 | 1.73E+01 | 3.12E+01 | 3.56E+01 | 4.15E+01 | 5.04E+01 |
| 1.00E+00 | 4.05E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.15E+01 | 5.04E+01 |
| 1.06E+00 | 4.04E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.15E+01 | 5.04E+01 |
| 1.12E+00 | 4.03E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.15E+01 | 5.04E+01 |
| 1.19E+00 | 4.02E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.15E+01 | 5.04E+01 |
| 1.25E+00 | 4.01E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.14E+01 | 5.04E+01 |
| 1.33E+00 | 4.00E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.14E+01 | 5.04E+01 |
| 1.40E+00 | 3.99E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.14E+01 | 5.04E+01 |
| 1.49E+00 | 3.98E+00 | 5.05E+01 | 1.89E+01 | 1.73E+01 | 3.12E+01 | 3.54E+01 | 4.14E+01 | 5.04E+01 |
| 1.57E+00 | 3.96E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 1.66E+00 | 3.95E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 1.76E+00 | 3.94E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 1.86E+00 | 3.92E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 1.97E+00 | 3.91E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 2.09E+00 | 3.89E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 2.21E+00 | 3.87E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.53E+01 | 4.14E+01 | 5.04E+01 |
| 2.34E+00 | 3.85E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.52E+01 | 4.14E+01 | 5.04E+01 |
| 2.47E+00 | 3.83E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.52E+01 | 4.14E+01 | 5.04E+01 |
| 2.62E+00 | 3.81E+00 | 5.05E+01 | 1.88E+01 | 1.73E+01 | 3.12E+01 | 3.52E+01 | 4.14E+01 | 5.04E+01 |
| 2.77E+00 | 3.79E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.52E+01 | 4.14E+01 | 5.04E+01 |
| 2.93E+00 | 3.77E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.52E+01 | 4.13E+01 | 5.04E+01 |
| 3.00E+00 | 3.76E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.51E+01 | 4.13E+01 | 5.04E+01 |
| 3.10E+00 | 3.74E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.51E+01 | 4.13E+01 | 5.04E+01 |
| 3.28E+00 | 3.72E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.51E+01 | 4.13E+01 | 5.04E+01 |
| 3.48E+00 | 3.69E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.51E+01 | 4.13E+01 | 5.04E+01 |
| 3.68E+00 | 3.66E+00 | 5.05E+01 | 1.87E+01 | 1.72E+01 | 3.12E+01 | 3.50E+01 | 4.13E+01 | 5.04E+01 |
| 3.89E+00 | 3.63E+00 | 5.05E+01 | 1.86E+01 | 1.71E+01 | 3.12E+01 | 3.50E+01 | 4.13E+01 | 5.04E+01 |
| 4.12E+00 | 3.59E+00 | 5.05E+01 | 1.86E+01 | 1.71E+01 | 3.12E+01 | 3.50E+01 | 4.13E+01 | 5.04E+01 |
| 4.36E+00 | 3.56E+00 | 5.04E+01 | 1.86E+01 | 1.71E+01 | 3.12E+01 | 3.49E+01 | 4.13E+01 | 5.04E+01 |
| 4.61E+00 | 3.49E+00 | 5.04E+01 | 1.86E+01 | 1.70E+01 | 3.11E+01 | 3.49E+01 | 4.12E+01 | 5.03E+01 |
| 4.88E+00 | 3.41E+00 | 5.04E+01 | 1.85E+01 | 1.70E+01 | 3.11E+01 | 3.49E+01 | 4.12E+01 | 5.03E+01 |
| 5.17E+00 | 3.33E+00 | 5.04E+01 | 1.85E+01 | 1.70E+01 | 3.11E+01 | 3.48E+01 | 4.12E+01 | 5.03E+01 |
| 5.47E+00 | 3.24E+00 | 5.04E+01 | 1.85E+01 | 1.69E+01 | 3.11E+01 | 3.48E+01 | 4.12E+01 | 5.03E+01 |
| 5.78E+00 | 3.14E+00 | 5.04E+01 | 1.85E+01 | 1.69E+01 | 3.11E+01 | 3.47E+01 | 4.12E+01 | 5.03E+01 |
| 6.12E+00 | 3.03E+00 | 5.04E+01 | 1.84E+01 | 1.69E+01 | 3.11E+01 | 3.47E+01 | 4.12E+01 | 5.03E+01 |
| 6.48E+00 | 2.92E+00 | 5.04E+01 | 1.84E+01 | 1.68E+01 | 3.11E+01 | 3.46E+01 | 4.11E+01 | 5.03E+01 |
| 6.86E+00 | 2.80E+00 | 5.04E+01 | 1.84E+01 | 1.68E+01 | 3.11E+01 | 3.46E+01 | 4.11E+01 | 5.03E+01 |
| 7.26E+00 | 2.67E+00 | 5.04E+01 | 1.83E+01 | 1.68E+01 | 3.11E+01 | 3.45E+01 | 4.11E+01 | 5.03E+01 |
| 7.68E+00 | 2.53E+00 | 5.04E+01 | 1.83E+01 | 1.67E+01 | 3.11E+01 | 3.44E+01 | 4.11E+01 | 5.03E+01 |
| 8.13E+00 | 2.38E+00 | 5.04E+01 | 1.82E+01 | 1.67E+01 | 3.11E+01 | 3.44E+01 | 4.10E+01 | 5.03E+01 |
| 8.60E+00 | 2.21E+00 | 5.04E+01 | 1.82E+01 | 1.66E+01 | 3.11E+01 | 3.43E+01 | 4.10E+01 | 5.03E+01 |
| 9.10E+00 | 2.03E+00 | 5.03E+01 | 1.82E+01 | 1.66E+01 | 3.11E+01 | 3.42E+01 | 4.10E+01 | 5.03E+01 |
| 9.63E+00 | 1.83E+00 | 5.03E+01 | 1.81E+01 | 1.65E+01 | 3.11E+01 | 3.41E+01 | 4.09E+01 | 5.02E+01 |
| 1.00E+01 | 1.69E+00 | 5.03E+01 | 1.81E+01 | 1.65E+01 | 3.11E+01 | 3.41E+01 | 4.09E+01 | 5.02E+01 |
| 1.02E+01 | 1.61E+00 | 5.03E+01 | 1.80E+01 | 1.65E+01 | 3.11E+01 | 3.41E+01 | 4.09E+01 | 5.02E+01 |
| 1.08E+01 | 1.37E+00 | 5.03E+01 | 1.80E+01 | 1.64E+01 | 3.11E+01 | 3.40E+01 | 4.09E+01 | 5.02E+01 |
| 1.14E+01 | 1.11E+00 | 5.03E+01 | 1.79E+01 | 1.64E+01 | 3.11E+01 | 3.39E+01 | 4.08E+01 | 5.02E+01 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.21E+01 | 8.03E-01 | 5.03E+01 | 1.79E+01 | 1.63E+01 | 3.11E+01 | 3.38E+01 | 4.08E+01 | 5.02E+01 |
| 1.28E+01 | 4.61E-01 | 5.03E+01 | 1.78E+01 | 1.63E+01 | 3.10E+01 | 3.37E+01 | 4.07E+01 | 5.02E+01 |
| 1.35E+01 | 1.06E-01 | 5.02E+01 | 1.77E+01 | 1.62E+01 | 3.10E+01 | 3.37E+01 | 4.07E+01 | 5.02E+01 |
| 1.43E+01 | 4.92E-08 | 5.02E+01 | 1.76E+01 | 1.61E+01 | 3.10E+01 | 3.37E+01 | 4.06E+01 | 5.01E+01 |
| 1.51E+01 | 0.00E+00 | 5.02E+01 | 1.76E+01 | 1.61E+01 | 3.10E+01 | 3.36E+01 | 4.06E+01 | 5.01E+01 |
| 1.60E+01 | 0.00E+00 | 5.02E+01 | 1.75E+01 | 1.60E+01 | 3.09E+01 | 3.36E+01 | 4.05E+01 | 5.01E+01 |
| 1.70E+01 | 0.00E+00 | 5.02E+01 | 1.74E+01 | 1.59E+01 | 3.09E+01 | 3.35E+01 | 4.04E+01 | 5.01E+01 |
| 1.80E+01 | 0.00E+00 | 5.01E+01 | 1.73E+01 | 1.58E+01 | 3.09E+01 | 3.35E+01 | 4.04E+01 | 5.01E+01 |
| 1.90E+01 | 0.00E+00 | 5.01E+01 | 1.72E+01 | 1.57E+01 | 3.08E+01 | 3.34E+01 | 4.03E+01 | 5.00E+01 |
| 2.01E+01 | 0.00E+00 | 5.01E+01 | 1.70E+01 | 1.57E+01 | 3.08E+01 | 3.33E+01 | 4.02E+01 | 5.00E+01 |
| 2.13E+01 | 0.00E+00 | 5.01E+01 | 1.69E+01 | 1.56E+01 | 3.07E+01 | 3.33E+01 | 4.01E+01 | 5.00E+01 |
| 2.25E+01 | 0.00E+00 | 5.00E+01 | 1.68E+01 | 1.55E+01 | 3.07E+01 | 3.32E+01 | 4.01E+01 | 4.99E+01 |
| 2.38E+01 | 0.00E+00 | 5.00E+01 | 1.66E+01 | 1.53E+01 | 3.06E+01 | 3.31E+01 | 4.00E+01 | 4.99E+01 |
| 2.52E+01 | 0.00E+00 | 5.00E+01 | 1.65E+01 | 1.51E+01 | 3.06E+01 | 3.30E+01 | 4.00E+01 | 4.99E+01 |
| 2.67E+01 | 0.00E+00 | 4.99E+01 | 1.63E+01 | 1.49E+01 | 3.05E+01 | 3.30E+01 | 3.99E+01 | 4.98E+01 |
| 2.82E+01 | 0.00E+00 | 4.99E+01 | 1.62E+01 | 1.48E+01 | 3.04E+01 | 3.29E+01 | 3.98E+01 | 4.98E+01 |
| 2.99E+01 | 0.00E+00 | 4.99E+01 | 1.60E+01 | 1.47E+01 | 3.02E+01 | 3.28E+01 | 3.98E+01 | 4.98E+01 |
| 3.00E+01 | 0.00E+00 | 4.99E+01 | 1.60E+01 | 1.47E+01 | 3.02E+01 | 3.28E+01 | 3.98E+01 | 4.98E+01 |
| 3.16E+01 | 0.00E+00 | 4.98E+01 | 1.58E+01 | 1.46E+01 | 2.99E+01 | 3.27E+01 | 3.97E+01 | 4.97E+01 |
| 3.35E+01 | 0.00E+00 | 4.98E+01 | 1.56E+01 | 1.45E+01 | 2.97E+01 | 3.25E+01 | 3.96E+01 | 4.97E+01 |
| 3.54E+01 | 0.00E+00 | 4.97E+01 | 1.53E+01 | 1.42E+01 | 2.96E+01 | 3.24E+01 | 3.95E+01 | 4.96E+01 |
| 3.75E+01 | 0.00E+00 | 4.97E+01 | 1.51E+01 | 1.39E+01 | 2.95E+01 | 3.23E+01 | 3.94E+01 | 4.96E+01 |
| 3.97E+01 | 0.00E+00 | 4.96E+01 | 1.48E+01 | 1.35E+01 | 2.94E+01 | 3.22E+01 | 3.93E+01 | 4.95E+01 |
| 4.20E+01 | 0.00E+00 | 4.95E+01 | 1.45E+01 | 1.33E+01 | 2.91E+01 | 3.20E+01 | 3.92E+01 | 4.94E+01 |
| 4.44E+01 | 0.00E+00 | 4.95E+01 | 1.43E+01 | 1.30E+01 | 2.88E+01 | 3.18E+01 | 3.90E+01 | 4.94E+01 |
| 4.70E+01 | 0.00E+00 | 4.94E+01 | 1.39E+01 | 1.26E+01 | 2.84E+01 | 3.17E+01 | 3.89E+01 | 4.93E+01 |
| 4.97E+01 | 0.00E+00 | 4.93E+01 | 1.36E+01 | 1.23E+01 | 2.81E+01 | 3.15E+01 | 3.88E+01 | 4.92E+01 |
| 5.26E+01 | 0.00E+00 | 4.92E+01 | 1.33E+01 | 1.19E+01 | 2.77E+01 | 3.13E+01 | 3.86E+01 | 4.91E+01 |
| 5.57E+01 | 0.00E+00 | 4.91E+01 | 1.29E+01 | 1.15E+01 | 2.74E+01 | 3.10E+01 | 3.84E+01 | 4.90E+01 |
| 5.90E+01 | 0.00E+00 | 4.90E+01 | 1.25E+01 | 1.13E+01 | 2.72E+01 | 3.08E+01 | 3.82E+01 | 4.89E+01 |
| 6.24E+01 | 0.00E+00 | 4.89E+01 | 1.21E+01 | 1.10E+01 | 2.69E+01 | 3.05E+01 | 3.80E+01 | 4.88E+01 |
| 6.60E+01 | 0.00E+00 | 4.87E+01 | 1.17E+01 | 1.06E+01 | 2.63E+01 | 3.05E+01 | 3.77E+01 | 4.86E+01 |
| 6.99E+01 | 0.00E+00 | 4.86E+01 | 1.13E+01 | 1.02E+01 | 2.57E+01 | 3.04E+01 | 3.75E+01 | 4.85E+01 |
| 7.39E+01 | 0.00E+00 | 4.84E+01 | 1.08E+01 | 9.70E+00 | 2.49E+01 | 3.03E+01 | 3.72E+01 | 4.83E+01 |
| 7.82E+01 | 0.00E+00 | 4.82E+01 | 1.03E+01 | 9.12E+00 | 2.40E+01 | 3.00E+01 | 3.68E+01 | 4.81E+01 |
| 8.28E+01 | 0.00E+00 | 4.80E+01 | 9.79E+00 | 8.56E+00 | 2.31E+01 | 2.90E+01 | 3.65E+01 | 4.79E+01 |
| 8.76E+01 | 0.00E+00 | 4.78E+01 | 9.26E+00 | 7.69E+00 | 2.21E+01 | 2.79E+01 | 3.60E+01 | 4.77E+01 |
| 9.27E+01 | 0.00E+00 | 4.75E+01 | 8.71E+00 | 6.60E+00 | 2.15E+01 | 2.71E+01 | 3.55E+01 | 4.74E+01 |
| 9.81E+01 | 0.00E+00 | 4.72E+01 | 8.14E+00 | 5.46E+00 | 2.12E+01 | 2.67E+01 | 3.50E+01 | 4.71E+01 |
| 1.00E+02 | 0.00E+00 | 4.71E+01 | 7.96E+00 | 4.83E+00 | 2.11E+01 | 2.65E+01 | 3.48E+01 | 4.70E+01 |
| 1.04E+02 | 0.00E+00 | 4.68E+01 | 7.58E+00 | 4.07E+00 | 2.08E+01 | 2.62E+01 | 3.44E+01 | 4.67E+01 |
| 1.10E+02 | 0.00E+00 | 4.64E+01 | 7.04E+00 | 2.12E+00 | 2.05E+01 | 2.58E+01 | 3.37E+01 | 4.63E+01 |
| 1.16E+02 | 0.00E+00 | 4.59E+01 | 6.51E+00 | 3.31E-01 | 1.89E+01 | 2.52E+01 | 3.33E+01 | 4.59E+01 |
| 1.23E+02 | 0.00E+00 | 4.54E+01 | 5.97E+00 | 0.00E+00 | 1.79E+01 | 2.46E+01 | 3.29E+01 | 4.53E+01 |
| 1.30E+02 | 0.00E+00 | 4.45E+01 | 5.41E+00 | 0.00E+00 | 1.57E+01 | 2.39E+01 | 3.24E+01 | 4.44E+01 |
| 1.38E+02 | 0.00E+00 | 4.34E+01 | 4.79E+00 | 0.00E+00 | 1.51E+01 | 2.25E+01 | 3.19E+01 | 4.33E+01 |
| 1.46E+02 | 0.00E+00 | 4.20E+01 | 4.23E+00 | 0.00E+00 | 1.45E+01 | 1.99E+01 | 3.13E+01 | 4.20E+01 |
| 1.54E+02 | 0.00E+00 | 4.05E+01 | 3.69E+00 | 0.00E+00 | 1.38E+01 | 1.79E+01 | 3.06E+01 | 4.05E+01 |
| 1.63E+02 | 0.00E+00 | 3.87E+01 | 3.20E+00 | 0.00E+00 | 1.27E+01 | 1.65E+01 | 2.97E+01 | 3.87E+01 |
| 1.73E+02 | 0.00E+00 | 3.66E+01 | 2.70E+00 | 0.00E+00 | 1.06E+01 | 1.55E+01 | 2.86E+01 | 3.65E+01 |
| 1.83E+02 | 0.00E+00 | 3.40E+01 | 2.19E+00 | 0.00E+00 | 9.26E+00 | 1.43E+01 | 2.70E+01 | 3.40E+01 |

| Summary of dose at graphical times, reptition 3 | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------|----------|
| Time Years | Dose statistics at graphical times, mrem/yr | | | | | | | |
| | Minimum | Maximum | Mean | Median | 90% | 95% | 97.5% | 99% |
| 0.00E+00 | 1.47E+00 | 4.27E+01 | 1.88E+01 | 1.74E+01 | 2.98E+01 | 3.38E+01 | 4.06E+01 | 4.27E+01 |
| 1.00E+00 | 9.00E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.06E+00 | 8.65E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.12E+00 | 8.28E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.19E+00 | 7.88E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.25E+00 | 7.45E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.33E+00 | 7.00E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.40E+00 | 6.52E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.49E+00 | 6.00E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.57E+00 | 5.45E-01 | 4.25E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.25E+01 |
| 1.66E+00 | 4.85E-01 | 4.24E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.24E+01 |
| 1.76E+00 | 4.22E-01 | 4.24E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.24E+01 |
| 1.86E+00 | 3.54E-01 | 4.24E+01 | 1.87E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.24E+01 |
| 1.97E+00 | 2.84E-01 | 4.24E+01 | 1.86E+01 | 1.73E+01 | 2.98E+01 | 3.38E+01 | 4.05E+01 | 4.24E+01 |
| 2.09E+00 | 2.18E-01 | 4.24E+01 | 1.86E+01 | 1.73E+01 | 2.98E+01 | 3.37E+01 | 4.05E+01 | 4.24E+01 |
| 2.21E+00 | 1.57E-01 | 4.24E+01 | 1.86E+01 | 1.73E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.24E+01 |
| 2.34E+00 | 1.03E-01 | 4.23E+01 | 1.86E+01 | 1.73E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.23E+01 |
| 2.47E+00 | 5.86E-02 | 4.23E+01 | 1.86E+01 | 1.73E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.23E+01 |
| 2.62E+00 | 2.48E-02 | 4.23E+01 | 1.86E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.23E+01 |
| 2.77E+00 | 4.56E-03 | 4.23E+01 | 1.86E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.23E+01 |
| 2.93E+00 | 1.65E-07 | 4.23E+01 | 1.86E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.23E+01 |
| 3.00E+00 | 1.10E-07 | 4.23E+01 | 1.86E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.22E+01 |
| 3.10E+00 | 0.00E+00 | 4.22E+01 | 1.85E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.22E+01 |
| 3.28E+00 | 0.00E+00 | 4.22E+01 | 1.85E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.04E+01 | 4.22E+01 |
| 3.48E+00 | 0.00E+00 | 4.22E+01 | 1.85E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.03E+01 | 4.22E+01 |
| 3.68E+00 | 0.00E+00 | 4.22E+01 | 1.85E+01 | 1.72E+01 | 2.98E+01 | 3.37E+01 | 4.03E+01 | 4.21E+01 |
| 3.89E+00 | 0.00E+00 | 4.21E+01 | 1.85E+01 | 1.72E+01 | 2.97E+01 | 3.37E+01 | 4.03E+01 | 4.21E+01 |
| 4.12E+00 | 0.00E+00 | 4.21E+01 | 1.85E+01 | 1.72E+01 | 2.97E+01 | 3.37E+01 | 4.03E+01 | 4.21E+01 |
| 4.36E+00 | 0.00E+00 | 4.21E+01 | 1.84E+01 | 1.71E+01 | 2.97E+01 | 3.37E+01 | 4.03E+01 | 4.20E+01 |
| 4.61E+00 | 0.00E+00 | 4.20E+01 | 1.84E+01 | 1.71E+01 | 2.97E+01 | 3.37E+01 | 4.02E+01 | 4.20E+01 |
| 4.88E+00 | 0.00E+00 | 4.20E+01 | 1.84E+01 | 1.71E+01 | 2.97E+01 | 3.37E+01 | 4.02E+01 | 4.20E+01 |
| 5.17E+00 | 0.00E+00 | 4.19E+01 | 1.84E+01 | 1.71E+01 | 2.97E+01 | 3.37E+01 | 4.02E+01 | 4.19E+01 |
| 5.47E+00 | 0.00E+00 | 4.19E+01 | 1.83E+01 | 1.71E+01 | 2.97E+01 | 3.37E+01 | 4.02E+01 | 4.19E+01 |
| 5.78E+00 | 0.00E+00 | 4.18E+01 | 1.83E+01 | 1.70E+01 | 2.97E+01 | 3.37E+01 | 4.02E+01 | 4.18E+01 |
| 6.12E+00 | 0.00E+00 | 4.18E+01 | 1.83E+01 | 1.70E+01 | 2.97E+01 | 3.37E+01 | 4.01E+01 | 4.18E+01 |
| 6.48E+00 | 0.00E+00 | 4.17E+01 | 1.82E+01 | 1.70E+01 | 2.97E+01 | 3.36E+01 | 4.01E+01 | 4.17E+01 |
| 6.86E+00 | 0.00E+00 | 4.17E+01 | 1.82E+01 | 1.70E+01 | 2.97E+01 | 3.36E+01 | 4.01E+01 | 4.17E+01 |
| 7.26E+00 | 0.00E+00 | 4.16E+01 | 1.82E+01 | 1.70E+01 | 2.97E+01 | 3.36E+01 | 4.00E+01 | 4.16E+01 |
| 7.68E+00 | 0.00E+00 | 4.15E+01 | 1.81E+01 | 1.69E+01 | 2.97E+01 | 3.35E+01 | 4.00E+01 | 4.15E+01 |
| 8.13E+00 | 0.00E+00 | 4.15E+01 | 1.81E+01 | 1.69E+01 | 2.97E+01 | 3.34E+01 | 4.00E+01 | 4.15E+01 |
| 8.60E+00 | 0.00E+00 | 4.14E+01 | 1.81E+01 | 1.69E+01 | 2.96E+01 | 3.33E+01 | 3.99E+01 | 4.14E+01 |
| 9.10E+00 | 0.00E+00 | 4.13E+01 | 1.80E+01 | 1.68E+01 | 2.96E+01 | 3.32E+01 | 3.99E+01 | 4.13E+01 |
| 9.63E+00 | 0.00E+00 | 4.12E+01 | 1.80E+01 | 1.68E+01 | 2.96E+01 | 3.31E+01 | 3.98E+01 | 4.12E+01 |
| 1.00E+01 | 0.00E+00 | 4.12E+01 | 1.79E+01 | 1.68E+01 | 2.96E+01 | 3.30E+01 | 3.98E+01 | 4.12E+01 |
| 1.02E+01 | 0.00E+00 | 4.12E+01 | 1.79E+01 | 1.67E+01 | 2.96E+01 | 3.30E+01 | 3.98E+01 | 4.12E+01 |
| 1.08E+01 | 0.00E+00 | 4.11E+01 | 1.78E+01 | 1.67E+01 | 2.96E+01 | 3.29E+01 | 3.97E+01 | 4.11E+01 |
| 1.14E+01 | 0.00E+00 | 4.11E+01 | 1.78E+01 | 1.66E+01 | 2.96E+01 | 3.29E+01 | 3.96E+01 | 4.11E+01 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.21E+01 | 0.00E+00 | 4.10E+01 | 1.77E+01 | 1.65E+01 | 2.96E+01 | 3.28E+01 | 3.95E+01 | 4.10E+01 |
| 1.28E+01 | 0.00E+00 | 4.10E+01 | 1.77E+01 | 1.65E+01 | 2.96E+01 | 3.28E+01 | 3.94E+01 | 4.10E+01 |
| 1.35E+01 | 0.00E+00 | 4.09E+01 | 1.76E+01 | 1.65E+01 | 2.95E+01 | 3.27E+01 | 3.93E+01 | 4.09E+01 |
| 1.43E+01 | 0.00E+00 | 4.08E+01 | 1.75E+01 | 1.65E+01 | 2.95E+01 | 3.27E+01 | 3.92E+01 | 4.08E+01 |
| 1.51E+01 | 0.00E+00 | 4.07E+01 | 1.74E+01 | 1.64E+01 | 2.95E+01 | 3.26E+01 | 3.91E+01 | 4.07E+01 |
| 1.60E+01 | 0.00E+00 | 4.07E+01 | 1.73E+01 | 1.64E+01 | 2.95E+01 | 3.25E+01 | 3.90E+01 | 4.06E+01 |
| 1.70E+01 | 0.00E+00 | 4.06E+01 | 1.72E+01 | 1.63E+01 | 2.95E+01 | 3.25E+01 | 3.89E+01 | 4.06E+01 |
| 1.80E+01 | 0.00E+00 | 4.05E+01 | 1.71E+01 | 1.62E+01 | 2.95E+01 | 3.24E+01 | 3.87E+01 | 4.05E+01 |
| 1.90E+01 | 0.00E+00 | 4.04E+01 | 1.70E+01 | 1.61E+01 | 2.95E+01 | 3.24E+01 | 3.86E+01 | 4.04E+01 |
| 2.01E+01 | 0.00E+00 | 4.02E+01 | 1.69E+01 | 1.59E+01 | 2.94E+01 | 3.24E+01 | 3.84E+01 | 4.02E+01 |
| 2.13E+01 | 0.00E+00 | 4.01E+01 | 1.68E+01 | 1.57E+01 | 2.94E+01 | 3.23E+01 | 3.83E+01 | 4.01E+01 |
| 2.25E+01 | 0.00E+00 | 3.99E+01 | 1.66E+01 | 1.57E+01 | 2.94E+01 | 3.23E+01 | 3.81E+01 | 3.99E+01 |
| 2.38E+01 | 0.00E+00 | 3.97E+01 | 1.65E+01 | 1.56E+01 | 2.94E+01 | 3.23E+01 | 3.79E+01 | 3.97E+01 |
| 2.52E+01 | 0.00E+00 | 3.95E+01 | 1.63E+01 | 1.56E+01 | 2.92E+01 | 3.22E+01 | 3.77E+01 | 3.95E+01 |
| 2.67E+01 | 0.00E+00 | 3.92E+01 | 1.62E+01 | 1.55E+01 | 2.89E+01 | 3.22E+01 | 3.75E+01 | 3.92E+01 |
| 2.82E+01 | 0.00E+00 | 3.90E+01 | 1.60E+01 | 1.54E+01 | 2.85E+01 | 3.21E+01 | 3.72E+01 | 3.89E+01 |
| 2.99E+01 | 0.00E+00 | 3.87E+01 | 1.58E+01 | 1.54E+01 | 2.81E+01 | 3.21E+01 | 3.70E+01 | 3.87E+01 |
| 3.00E+01 | 0.00E+00 | 3.87E+01 | 1.58E+01 | 1.54E+01 | 2.81E+01 | 3.21E+01 | 3.69E+01 | 3.86E+01 |
| 3.16E+01 | 0.00E+00 | 3.84E+01 | 1.56E+01 | 1.53E+01 | 2.77E+01 | 3.20E+01 | 3.67E+01 | 3.83E+01 |
| 3.35E+01 | 0.00E+00 | 3.80E+01 | 1.54E+01 | 1.51E+01 | 2.72E+01 | 3.20E+01 | 3.64E+01 | 3.80E+01 |
| 3.54E+01 | 0.00E+00 | 3.77E+01 | 1.52E+01 | 1.47E+01 | 2.71E+01 | 3.19E+01 | 3.60E+01 | 3.77E+01 |
| 3.75E+01 | 0.00E+00 | 3.73E+01 | 1.50E+01 | 1.42E+01 | 2.71E+01 | 3.19E+01 | 3.56E+01 | 3.73E+01 |
| 3.97E+01 | 0.00E+00 | 3.69E+01 | 1.47E+01 | 1.38E+01 | 2.70E+01 | 3.18E+01 | 3.52E+01 | 3.68E+01 |
| 4.20E+01 | 0.00E+00 | 3.64E+01 | 1.44E+01 | 1.34E+01 | 2.70E+01 | 3.18E+01 | 3.47E+01 | 3.64E+01 |
| 4.44E+01 | 0.00E+00 | 3.59E+01 | 1.41E+01 | 1.30E+01 | 2.69E+01 | 3.17E+01 | 3.42E+01 | 3.59E+01 |
| 4.70E+01 | 0.00E+00 | 3.54E+01 | 1.38E+01 | 1.27E+01 | 2.69E+01 | 3.16E+01 | 3.37E+01 | 3.54E+01 |
| 4.97E+01 | 0.00E+00 | 3.48E+01 | 1.35E+01 | 1.24E+01 | 2.68E+01 | 3.15E+01 | 3.32E+01 | 3.48E+01 |
| 5.26E+01 | 0.00E+00 | 3.42E+01 | 1.31E+01 | 1.19E+01 | 2.64E+01 | 3.11E+01 | 3.29E+01 | 3.42E+01 |
| 5.57E+01 | 0.00E+00 | 3.35E+01 | 1.27E+01 | 1.17E+01 | 2.63E+01 | 3.02E+01 | 3.26E+01 | 3.35E+01 |
| 5.90E+01 | 0.00E+00 | 3.27E+01 | 1.23E+01 | 1.14E+01 | 2.62E+01 | 2.96E+01 | 3.23E+01 | 3.27E+01 |
| 6.24E+01 | 0.00E+00 | 3.20E+01 | 1.19E+01 | 1.09E+01 | 2.59E+01 | 2.95E+01 | 3.18E+01 | 3.20E+01 |
| 6.60E+01 | 0.00E+00 | 3.16E+01 | 1.14E+01 | 1.05E+01 | 2.58E+01 | 2.93E+01 | 3.11E+01 | 3.16E+01 |
| 6.99E+01 | 0.00E+00 | 3.14E+01 | 1.10E+01 | 1.03E+01 | 2.49E+01 | 2.91E+01 | 3.03E+01 | 3.14E+01 |
| 7.39E+01 | 0.00E+00 | 3.12E+01 | 1.05E+01 | 9.91E+00 | 2.47E+01 | 2.88E+01 | 2.96E+01 | 3.12E+01 |
| 7.82E+01 | 0.00E+00 | 3.09E+01 | 1.00E+01 | 8.95E+00 | 2.45E+01 | 2.86E+01 | 2.89E+01 | 3.09E+01 |
| 8.28E+01 | 0.00E+00 | 3.06E+01 | 9.50E+00 | 8.13E+00 | 2.44E+01 | 2.77E+01 | 2.86E+01 | 3.06E+01 |
| 8.76E+01 | 0.00E+00 | 3.03E+01 | 8.97E+00 | 7.18E+00 | 2.42E+01 | 2.66E+01 | 2.83E+01 | 3.03E+01 |
| 9.27E+01 | 0.00E+00 | 2.99E+01 | 8.44E+00 | 6.56E+00 | 2.25E+01 | 2.56E+01 | 2.79E+01 | 2.99E+01 |
| 9.81E+01 | 0.00E+00 | 2.95E+01 | 7.87E+00 | 5.44E+00 | 2.10E+01 | 2.54E+01 | 2.76E+01 | 2.95E+01 |
| 1.00E+02 | 0.00E+00 | 2.93E+01 | 7.68E+00 | 4.66E+00 | 2.08E+01 | 2.53E+01 | 2.75E+01 | 2.93E+01 |
| 1.04E+02 | 0.00E+00 | 2.90E+01 | 7.28E+00 | 3.76E+00 | 2.04E+01 | 2.52E+01 | 2.72E+01 | 2.90E+01 |
| 1.10E+02 | 0.00E+00 | 2.84E+01 | 6.73E+00 | 2.42E+00 | 1.97E+01 | 2.49E+01 | 2.68E+01 | 2.84E+01 |
| 1.16E+02 | 0.00E+00 | 2.77E+01 | 6.15E+00 | 7.16E-02 | 1.92E+01 | 2.46E+01 | 2.63E+01 | 2.77E+01 |
| 1.23E+02 | 0.00E+00 | 2.68E+01 | 5.59E+00 | 0.00E+00 | 1.86E+01 | 2.41E+01 | 2.58E+01 | 2.68E+01 |
| 1.30E+02 | 0.00E+00 | 2.57E+01 | 5.01E+00 | 0.00E+00 | 1.79E+01 | 2.37E+01 | 2.50E+01 | 2.57E+01 |
| 1.38E+02 | 0.00E+00 | 2.51E+01 | 4.47E+00 | 0.00E+00 | 1.72E+01 | 2.32E+01 | 2.37E+01 | 2.51E+01 |
| 1.46E+02 | 0.00E+00 | 2.44E+01 | 3.98E+00 | 0.00E+00 | 1.66E+01 | 2.26E+01 | 2.31E+01 | 2.44E+01 |
| 1.54E+02 | 0.00E+00 | 2.37E+01 | 3.51E+00 | 0.00E+00 | 1.59E+01 | 2.17E+01 | 2.25E+01 | 2.37E+01 |
| 1.63E+02 | 0.00E+00 | 2.28E+01 | 3.06E+00 | 0.00E+00 | 1.50E+01 | 2.08E+01 | 2.18E+01 | 2.28E+01 |
| 1.73E+02 | 0.00E+00 | 2.17E+01 | 2.62E+00 | 0.00E+00 | 1.32E+01 | 1.96E+01 | 2.11E+01 | 2.17E+01 |
| 1.83E+02 | 0.00E+00 | 2.07E+01 | 2.15E+00 | 0.00E+00 | 1.07E+01 | 1.82E+01 | 2.02E+01 | 2.07E+01 |

| Repetition | Peak of the mean dose (averaged over observations) at graphical times | |
|------------|---|---------------------------|
| | Time of peak mean dose Years | Peak mean dose mrem/yr |
| 1 | 0.000E+00 | 1.925E+01 |
| 2 | 0.000E+00 | 1.898E+01 |
| 3 | 0.000E+00 | 1.883E+01 |

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

| | PCC 1 | SRC 1 | PRCC 1 | SRRC 1 |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
| Depth of roots | 14 -0.10 | 21 -0.02 | 10 -0.17 | 18 -0.04 |
| Thickness of Unsaturated zone 1 | 24 0.05 | 26 0.01 | 15 0.12 | 20 0.03 |
| Runoff coefficient | 13 -0.11 | 20 -0.02 | 12 -0.14 | 19 -0.03 |
| Wind Speed | 16 -0.09 | 24 -0.02 | 7 -0.22 | 14 -0.05 |
| Well pump intake depth | 9 0.17 | 14 0.04 | 22 0.02 | 24 0.00 |
| External gamma shielding factor | 1 0.97 | 1 0.79 | 1 0.96 | 1 0.77 |
| Inhalation rate | 6 0.24 | 13 0.05 | 5 0.30 | 12 0.07 |
| Soil ingestion | 4 0.49 | 6 0.12 | 4 0.50 | 8 0.13 |
| Thickness of Unsaturated zone 2 | 15 -0.10 | 22 -0.02 | 23 -0.02 | 25 0.00 |
| Kd of U-234 in Contaminated Zone | 17 0.09 | 11 0.06 | 20 0.04 | 15 0.05 |
| Kd of U-234 in Unsaturated Zone 1 | 21 -0.06 | 7 -0.10 | 18 -0.07 | 10 -0.10 |
| Kd of U-234 in Unsaturated Zone 2 | 25 0.04 | 17 0.03 | 9 -0.17 | 6 -0.21 |
| Kd of U-234 in Saturated Zone | 8 -0.23 | 8 -0.08 | 26 0.00 | 26 0.00 |
| Kd of U-235 in Contaminated Zone | 12 -0.11 | 12 -0.06 | 19 -0.05 | 17 -0.04 |
| Kd of U-235 in Unsaturated Zone 1 | 20 0.07 | 10 0.07 | 16 0.09 | 11 0.08 |
| Kd of U-235 in Unsaturated Zone 2 | 22 0.05 | 23 0.02 | 6 0.23 | 7 0.19 |
| Kd of U-235 in Saturated Zone | 18 0.08 | 19 0.02 | 17 -0.08 | 13 -0.07 |
| Kd of U-238 in Contaminated Zone | 27 0.01 | 27 0.00 | 27 0.00 | 27 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 19 0.07 | 9 0.08 | 24 0.01 | 21 0.01 |
| Kd of U-238 in Unsaturated Zone 2 | 23 -0.05 | 16 -0.03 | 13 0.13 | 9 0.11 |
| Kd of U-238 in Saturated Zone | 26 0.04 | 25 0.01 | 25 -0.01 | 23 -0.01 |
| Thickness of contaminated zone | 2 0.90 | 4 0.43 | 2 0.90 | 2 0.48 |
| Aquatic food | 11 0.12 | 18 0.03 | 8 0.18 | 16 0.04 |
| Depth of soil mixing layer | 3 -0.70 | 5 -0.22 | 3 -0.72 | 5 -0.25 |
| Mass loading for inhalation | 10 0.15 | 15 0.03 | 21 0.02 | 22 0.01 |
| Indoor time fraction | 5 -0.27 | 2 -0.75 | 14 0.12 | 4 0.37 |
| Outdoor time fraction | 7 -0.23 | 3 -0.64 | 11 0.14 | 3 0.45 |
| R-SQUARE | 0.96 | 0.96 | 0.95 | 0.95 |

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

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

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

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 16 | -0.12 | 22 | -0.03 | 5 | -0.37 | 15 | -0.12 |
| Thickness of Unsaturated zone 1 | 13 | 0.13 | 20 | 0.03 | 6 | 0.27 | 20 | 0.08 |
| Runoff coefficient | 22 | 0.06 | 25 | 0.01 | 23 | -0.09 | 25 | -0.03 |
| Wind Speed | 14 | -0.13 | 21 | -0.03 | 27 | -0.03 | 27 | -0.01 |
| Well pump intake depth | 6 | -0.29 | 11 | -0.07 | 16 | -0.12 | 23 | -0.03 |
| External gamma shielding factor | 1 | 0.97 | 1 | 0.81 | 1 | 0.93 | 3 | 0.74 |
| Inhalation rate | 12 | 0.15 | 19 | 0.03 | 7 | 0.27 | 21 | 0.08 |
| Soil ingestion | 4 | 0.37 | 9 | 0.08 | 4 | 0.43 | 13 | 0.14 |
| Thickness of Unsaturated zone 2 | 25 | -0.03 | 26 | -0.01 | 21 | 0.10 | 24 | 0.03 |
| Kd of U-234 in Contaminated Zone | 23 | 0.06 | 13 | 0.06 | 17 | -0.12 | 8 | -0.19 |
| Kd of U-234 in Unsaturated Zone 1 | 7 | 0.28 | 2 | 0.62 | 10 | 0.20 | 5 | 0.28 |
| Kd of U-234 in Unsaturated Zone 2 | 18 | -0.10 | 16 | -0.05 | 18 | 0.11 | 9 | 0.18 |
| Kd of U-234 in Saturated Zone | 15 | -0.12 | 18 | -0.05 | 19 | -0.11 | 10 | -0.18 |
| Kd of U-235 in Contaminated Zone | 26 | -0.03 | 23 | -0.02 | 15 | 0.12 | 14 | 0.14 |
| Kd of U-235 in Unsaturated Zone 1 | 8 | -0.28 | 4 | -0.40 | 8 | -0.22 | 6 | -0.22 |
| Kd of U-235 in Unsaturated Zone 2 | 10 | 0.20 | 12 | 0.06 | 12 | -0.14 | 11 | -0.16 |
| Kd of U-235 in Saturated Zone | 19 | 0.09 | 24 | 0.02 | 22 | 0.10 | 16 | 0.11 |
| Kd of U-238 in Contaminated Zone | 21 | -0.07 | 15 | -0.06 | 20 | 0.11 | 17 | 0.10 |
| Kd of U-238 in Unsaturated Zone 1 | 9 | -0.27 | 5 | -0.39 | 25 | -0.09 | 19 | -0.09 |
| Kd of U-238 in Unsaturated Zone 2 | 17 | 0.11 | 17 | 0.05 | 24 | -0.09 | 18 | -0.10 |
| Kd of U-238 in Saturated Zone | 11 | 0.17 | 14 | 0.06 | 13 | 0.13 | 12 | 0.14 |
| Thickness of contaminated zone | 2 | 0.90 | 3 | 0.46 | 2 | 0.89 | 4 | 0.55 |
| Aquatic food | 27 | -0.01 | 27 | 0.00 | 26 | -0.04 | 26 | -0.01 |
| Depth of soil mixing layer | 3 | -0.59 | 7 | -0.16 | 3 | -0.56 | 7 | -0.19 |
| Mass loading for inhalation | 5 | 0.33 | 10 | 0.08 | 9 | 0.20 | 22 | 0.06 |
| Indoor time fraction | 24 | 0.04 | 8 | 0.15 | 14 | 0.13 | 2 | 0.75 |
| Outdoor time fraction | 20 | 0.07 | 6 | 0.24 | 11 | 0.15 | 1 | 0.84 |
| R-SQUARE | | 0.96 | | 0.96 | | 0.92 | | 0.92 |

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

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

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

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 26 | 0.01 | 27 | 0.00 | 24 | -0.03 | 25 | -0.01 |
| Thickness of Unsaturated zone 1 | 22 | 0.04 | 23 | 0.01 | 16 | 0.12 | 20 | 0.04 |
| Runoff coefficient | 21 | 0.05 | 22 | 0.01 | 17 | 0.09 | 21 | 0.03 |
| Wind Speed | 11 | 0.11 | 18 | 0.03 | 11 | 0.14 | 18 | 0.04 |
| Well pump intake depth | 24 | 0.02 | 24 | 0.01 | 21 | 0.07 | 23 | 0.02 |
| External gamma shielding factor | 1 | 0.95 | 3 | 0.84 | 1 | 0.92 | 2 | 0.78 |
| Inhalation rate | 8 | 0.18 | 15 | 0.05 | 9 | 0.17 | 16 | 0.05 |
| Soil ingestion | 4 | 0.32 | 11 | 0.09 | 4 | 0.26 | 14 | 0.08 |
| Thickness of Unsaturated zone 2 | 16 | -0.08 | 19 | -0.02 | 26 | -0.02 | 26 | -0.01 |
| Kd of U-234 in Contaminated Zone | 10 | 0.11 | 10 | 0.09 | 12 | -0.14 | 8 | -0.22 |
| Kd of U-234 in Unsaturated Zone 1 | 13 | -0.09 | 6 | -0.17 | 23 | 0.03 | 19 | 0.04 |
| Kd of U-234 in Unsaturated Zone 2 | 19 | 0.07 | 14 | 0.05 | 6 | -0.19 | 5 | -0.37 |
| Kd of U-234 in Saturated Zone | 12 | 0.09 | 12 | 0.08 | 20 | -0.08 | 12 | -0.13 |
| Kd of U-235 in Contaminated Zone | 27 | 0.00 | 26 | 0.00 | 5 | 0.20 | 9 | 0.21 |
| Kd of U-235 in Unsaturated Zone 1 | 14 | 0.09 | 8 | 0.11 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 20 | -0.05 | 17 | -0.03 | 7 | 0.18 | 7 | 0.23 |
| Kd of U-235 in Saturated Zone | 18 | -0.07 | 16 | -0.03 | 19 | 0.08 | 13 | 0.09 |
| Kd of U-238 in Contaminated Zone | 7 | -0.19 | 9 | -0.11 | 22 | 0.06 | 15 | 0.06 |
| Kd of U-238 in Unsaturated Zone 1 | 9 | 0.13 | 5 | 0.18 | 25 | 0.02 | 24 | 0.02 |
| Kd of U-238 in Unsaturated Zone 2 | 23 | -0.03 | 21 | -0.01 | 8 | 0.17 | 6 | 0.23 |
| Kd of U-238 in Saturated Zone | 15 | -0.08 | 13 | -0.06 | 14 | 0.13 | 11 | 0.14 |
| Thickness of contaminated zone | 2 | 0.89 | 4 | 0.53 | 2 | 0.87 | 4 | 0.53 |
| Aquatic food | 25 | 0.01 | 25 | 0.00 | 10 | 0.15 | 17 | 0.04 |
| Depth of soil mixing layer | 3 | -0.48 | 7 | -0.15 | 3 | -0.53 | 10 | -0.18 |
| Mass loading for inhalation | 17 | 0.07 | 20 | 0.02 | 18 | 0.09 | 22 | 0.03 |
| Indoor time fraction | 5 | -0.26 | 1 | -1.23 | 13 | -0.14 | 1 | -0.82 |
| Outdoor time fraction | 6 | -0.24 | 2 | -1.11 | 15 | -0.12 | 3 | -0.71 |
| R-SQUARE | | 0.93 | | 0.93 | | 0.92 | | 0.92 |

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 14 | -0.10 | 21 | -0.02 | 10 | -0.17 | 18 | -0.04 |
| Thickness of Unsaturated zone 1 | 24 | 0.05 | 26 | 0.01 | 15 | 0.12 | 20 | 0.03 |
| Runoff coefficient | 13 | -0.11 | 20 | -0.02 | 12 | -0.14 | 19 | -0.03 |
| Wind Speed | 16 | -0.10 | 24 | -0.02 | 7 | -0.23 | 14 | -0.05 |
| Well pump intake depth | 9 | 0.17 | 14 | 0.04 | 22 | 0.02 | 25 | 0.00 |
| External gamma shielding factor | 1 | 0.97 | 1 | 0.79 | 1 | 0.96 | 1 | 0.77 |
| Inhalation rate | 6 | 0.24 | 13 | 0.05 | 5 | 0.30 | 13 | 0.07 |
| Soil ingestion | 4 | 0.49 | 6 | 0.12 | 4 | 0.50 | 8 | 0.13 |
| Thickness of Unsaturated zone 2 | 15 | -0.10 | 22 | -0.02 | 23 | -0.02 | 26 | 0.00 |
| Kd of U-234 in Contaminated Zone | 17 | 0.09 | 11 | 0.06 | 20 | 0.04 | 15 | 0.05 |
| Kd of U-234 in Unsaturated Zone 1 | 21 | -0.06 | 7 | -0.10 | 18 | -0.08 | 10 | -0.10 |
| Kd of U-234 in Unsaturated Zone 2 | 25 | 0.04 | 17 | 0.03 | 9 | -0.17 | 6 | -0.21 |
| Kd of U-234 in Saturated Zone | 8 | -0.23 | 8 | -0.08 | 26 | 0.00 | 23 | 0.01 |
| Kd of U-235 in Contaminated Zone | 12 | -0.11 | 12 | -0.06 | 19 | -0.05 | 17 | -0.04 |
| Kd of U-235 in Unsaturated Zone 1 | 20 | 0.07 | 10 | 0.07 | 16 | 0.10 | 11 | 0.08 |
| Kd of U-235 in Unsaturated Zone 2 | 22 | 0.05 | 23 | 0.02 | 6 | 0.23 | 7 | 0.19 |
| Kd of U-235 in Saturated Zone | 18 | 0.08 | 19 | 0.02 | 17 | -0.08 | 12 | -0.08 |
| Kd of U-238 in Contaminated Zone | 27 | 0.01 | 27 | 0.00 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 19 | 0.07 | 9 | 0.08 | 24 | 0.01 | 21 | 0.01 |
| Kd of U-238 in Unsaturated Zone 2 | 23 | -0.05 | 16 | -0.03 | 13 | 0.13 | 9 | 0.11 |
| Kd of U-238 in Saturated Zone | 26 | 0.04 | 25 | 0.01 | 25 | -0.01 | 22 | -0.01 |
| Thickness of contaminated zone | 2 | 0.90 | 4 | 0.43 | 2 | 0.90 | 2 | 0.48 |
| Aquatic food | 11 | 0.12 | 18 | 0.03 | 8 | 0.18 | 16 | 0.04 |
| Depth of soil mixing layer | 3 | -0.70 | 5 | -0.22 | 3 | -0.72 | 5 | -0.25 |
| Mass loading for inhalation | 10 | 0.15 | 15 | 0.03 | 21 | 0.02 | 24 | 0.01 |
| Indoor time fraction | 5 | -0.27 | 2 | -0.75 | 14 | 0.12 | 4 | 0.38 |
| Outdoor time fraction | 7 | -0.23 | 3 | -0.64 | 11 | 0.15 | 3 | 0.46 |
| R-SQUARE | | 0.96 | | 0.96 | | 0.95 | | 0.95 |

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 16 | -0.12 | 22 | -0.03 | 5 | -0.37 | 15 | -0.12 |
| Thickness of Unsaturated zone 1 | 13 | 0.13 | 20 | 0.03 | 6 | 0.27 | 20 | 0.08 |
| Runoff coefficient | 22 | 0.06 | 25 | 0.01 | 23 | -0.09 | 25 | -0.03 |
| Wind Speed | 14 | -0.13 | 21 | -0.03 | 27 | -0.03 | 27 | -0.01 |
| Well pump intake depth | 6 | -0.29 | 11 | -0.07 | 15 | -0.12 | 23 | -0.04 |
| External gamma shielding factor | 1 | 0.97 | 1 | 0.81 | 1 | 0.93 | 3 | 0.74 |
| Inhalation rate | 12 | 0.15 | 19 | 0.03 | 7 | 0.26 | 21 | 0.08 |
| Soil ingestion | 4 | 0.37 | 9 | 0.08 | 4 | 0.43 | 12 | 0.14 |
| Thickness of Unsaturated zone 2 | 25 | -0.03 | 26 | -0.01 | 21 | 0.10 | 24 | 0.03 |
| Kd of U-234 in Contaminated Zone | 23 | 0.06 | 13 | 0.06 | 17 | -0.12 | 8 | -0.19 |
| Kd of U-234 in Unsaturated Zone 1 | 7 | 0.28 | 2 | 0.62 | 10 | 0.20 | 5 | 0.28 |
| Kd of U-234 in Unsaturated Zone 2 | 18 | -0.10 | 16 | -0.05 | 18 | 0.11 | 9 | 0.18 |
| Kd of U-234 in Saturated Zone | 15 | -0.12 | 18 | -0.05 | 19 | -0.11 | 10 | -0.17 |
| Kd of U-235 in Contaminated Zone | 26 | -0.03 | 23 | -0.02 | 16 | 0.12 | 13 | 0.14 |
| Kd of U-235 in Unsaturated Zone 1 | 8 | -0.28 | 4 | -0.40 | 8 | -0.22 | 6 | -0.22 |
| Kd of U-235 in Unsaturated Zone 2 | 10 | 0.20 | 12 | 0.06 | 12 | -0.14 | 11 | -0.16 |
| Kd of U-235 in Saturated Zone | 19 | 0.09 | 24 | 0.02 | 22 | 0.10 | 17 | 0.10 |
| Kd of U-238 in Contaminated Zone | 21 | -0.07 | 15 | -0.06 | 20 | 0.11 | 16 | 0.11 |
| Kd of U-238 in Unsaturated Zone 1 | 9 | -0.27 | 5 | -0.39 | 24 | -0.09 | 19 | -0.09 |
| Kd of U-238 in Unsaturated Zone 2 | 17 | 0.11 | 17 | 0.05 | 25 | -0.09 | 18 | -0.10 |
| Kd of U-238 in Saturated Zone | 11 | 0.17 | 14 | 0.06 | 13 | 0.13 | 14 | 0.14 |
| Thickness of contaminated zone | 2 | 0.90 | 3 | 0.46 | 2 | 0.89 | 4 | 0.55 |
| Aquatic food | 27 | -0.01 | 27 | 0.00 | 26 | -0.04 | 26 | -0.01 |
| Depth of soil mixing layer | 3 | -0.59 | 7 | -0.16 | 3 | -0.56 | 7 | -0.19 |
| Mass loading for inhalation | 5 | 0.33 | 10 | 0.08 | 9 | 0.20 | 22 | 0.06 |
| Indoor time fraction | 24 | 0.04 | 8 | 0.15 | 14 | 0.13 | 2 | 0.75 |
| Outdoor time fraction | 20 | 0.07 | 6 | 0.24 | 11 | 0.15 | 1 | 0.83 |
| R-SQUARE | | 0.96 | | 0.96 | | 0.92 | | 0.92 |

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 26 | 0.01 | 27 | 0.00 | 24 | -0.03 | 25 | -0.01 |
| Thickness of Unsaturated zone 1 | 22 | 0.04 | 23 | 0.01 | 16 | 0.12 | 20 | 0.04 |
| Runoff coefficient | 21 | 0.05 | 22 | 0.01 | 17 | 0.09 | 21 | 0.03 |
| Wind Speed | 11 | 0.11 | 18 | 0.03 | 13 | 0.14 | 18 | 0.04 |
| Well pump intake depth | 24 | 0.02 | 24 | 0.01 | 21 | 0.07 | 23 | 0.02 |
| External gamma shielding factor | 1 | 0.95 | 3 | 0.84 | 1 | 0.93 | 2 | 0.78 |
| Inhalation rate | 8 | 0.18 | 15 | 0.05 | 9 | 0.17 | 16 | 0.05 |
| Soil ingestion | 4 | 0.32 | 11 | 0.09 | 4 | 0.26 | 14 | 0.08 |
| Thickness of Unsaturated zone 2 | 16 | -0.08 | 19 | -0.02 | 26 | -0.02 | 26 | -0.01 |
| Kd of U-234 in Contaminated Zone | 10 | 0.11 | 10 | 0.09 | 10 | -0.15 | 8 | -0.22 |
| Kd of U-234 in Unsaturated Zone 1 | 13 | -0.09 | 6 | -0.17 | 23 | 0.03 | 19 | 0.04 |
| Kd of U-234 in Unsaturated Zone 2 | 19 | 0.07 | 14 | 0.05 | 6 | -0.19 | 5 | -0.38 |
| Kd of U-234 in Saturated Zone | 12 | 0.09 | 12 | 0.08 | 20 | -0.08 | 12 | -0.13 |
| Kd of U-235 in Contaminated Zone | 27 | 0.00 | 26 | 0.00 | 5 | 0.20 | 9 | 0.21 |
| Kd of U-235 in Unsaturated Zone 1 | 14 | 0.09 | 8 | 0.11 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 20 | -0.05 | 17 | -0.03 | 7 | 0.18 | 7 | 0.23 |
| Kd of U-235 in Saturated Zone | 18 | -0.07 | 16 | -0.03 | 19 | 0.08 | 13 | 0.09 |
| Kd of U-238 in Contaminated Zone | 7 | -0.19 | 9 | -0.11 | 22 | 0.06 | 15 | 0.06 |
| Kd of U-238 in Unsaturated Zone 1 | 9 | 0.13 | 5 | 0.18 | 25 | 0.02 | 24 | 0.02 |
| Kd of U-238 in Unsaturated Zone 2 | 23 | -0.03 | 21 | -0.01 | 8 | 0.17 | 6 | 0.23 |
| Kd of U-238 in Saturated Zone | 15 | -0.08 | 13 | -0.06 | 14 | 0.13 | 11 | 0.14 |
| Thickness of contaminated zone | 2 | 0.89 | 4 | 0.53 | 2 | 0.87 | 4 | 0.53 |
| Aquatic food | 25 | 0.01 | 25 | 0.00 | 11 | 0.15 | 17 | 0.04 |
| Depth of soil mixing layer | 3 | -0.48 | 7 | -0.15 | 3 | -0.53 | 10 | -0.18 |
| Mass loading for inhalation | 17 | 0.07 | 20 | 0.02 | 18 | 0.09 | 22 | 0.03 |
| Indoor time fraction | 5 | -0.26 | 1 | -1.23 | 12 | -0.14 | 1 | -0.82 |
| Outdoor time fraction | 6 | -0.24 | 2 | -1.11 | 15 | -0.12 | 3 | -0.71 |
| R-SQUARE | | 0.93 | | 0.93 | | 0.92 | | 0.92 |

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

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 11 | 0.11 | 17 | 0.02 | 16 | 0.12 | 21 | 0.03 |
| Thickness of Unsaturated zone 1 | 21 | -0.05 | 22 | -0.01 | 6 | 0.20 | 16 | 0.05 |
| Runoff coefficient | 22 | -0.05 | 23 | -0.01 | 24 | -0.01 | 24 | 0.00 |
| Wind Speed | 26 | -0.03 | 26 | -0.01 | 21 | -0.08 | 22 | -0.02 |
| Well pump intake depth | 8 | 0.15 | 16 | 0.03 | 25 | 0.01 | 25 | 0.00 |
| External gamma shielding factor | 1 | 0.98 | 1 | 0.91 | 1 | 0.97 | 1 | 0.90 |
| Inhalation rate | 25 | 0.03 | 25 | 0.01 | 11 | 0.16 | 19 | 0.04 |
| Soil ingestion | 7 | -0.18 | 15 | -0.03 | 9 | -0.17 | 18 | -0.04 |
| Thickness of Unsaturated zone 2 | 19 | -0.08 | 21 | -0.02 | 23 | -0.02 | 23 | 0.00 |
| Kd of U-234 in Contaminated Zone | 16 | -0.09 | 10 | -0.06 | 12 | 0.15 | 7 | 0.18 |
| Kd of U-234 in Unsaturated Zone 1 | 13 | -0.10 | 5 | -0.15 | 17 | -0.10 | 10 | -0.13 |
| Kd of U-234 in Unsaturated Zone 2 | 12 | 0.10 | 9 | 0.06 | 4 | -0.22 | 4 | -0.25 |
| Kd of U-234 in Saturated Zone | 5 | -0.20 | 8 | -0.06 | 26 | 0.00 | 26 | 0.00 |
| Kd of U-235 in Contaminated Zone | 15 | 0.10 | 12 | 0.04 | 8 | -0.17 | 9 | -0.15 |
| Kd of U-235 in Unsaturated Zone 1 | 14 | 0.10 | 7 | 0.09 | 18 | 0.09 | 14 | 0.07 |
| Kd of U-235 in Unsaturated Zone 2 | 23 | -0.05 | 18 | -0.02 | 3 | 0.26 | 6 | 0.20 |
| Kd of U-235 in Saturated Zone | 20 | 0.07 | 19 | 0.02 | 19 | -0.09 | 12 | -0.08 |
| Kd of U-238 in Contaminated Zone | 9 | 0.13 | 11 | 0.05 | 14 | -0.13 | 11 | -0.10 |
| Kd of U-238 in Unsaturated Zone 1 | 10 | 0.13 | 6 | 0.12 | 20 | 0.08 | 13 | 0.08 |
| Kd of U-238 in Unsaturated Zone 2 | 17 | -0.09 | 13 | -0.04 | 7 | 0.20 | 8 | 0.16 |
| Kd of U-238 in Saturated Zone | 24 | 0.04 | 24 | 0.01 | 27 | 0.00 | 27 | 0.00 |
| Thickness of contaminated zone | 2 | 0.86 | 4 | 0.29 | 2 | 0.84 | 3 | 0.34 |
| Aquatic food | 27 | 0.00 | 27 | 0.00 | 10 | 0.16 | 17 | 0.04 |
| Depth of soil mixing layer | 18 | -0.09 | 20 | -0.02 | 13 | -0.13 | 20 | -0.03 |
| Mass loading for inhalation | 6 | -0.20 | 14 | -0.04 | 5 | -0.22 | 15 | -0.05 |
| Indoor time fraction | 3 | -0.29 | 2 | -0.69 | 22 | 0.08 | 5 | 0.22 |
| Outdoor time fraction | 4 | -0.24 | 3 | -0.55 | 15 | 0.12 | 2 | 0.35 |
| R-SQUARE | | 0.97 | | 0.97 | | 0.95 | | 0.95 |

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

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

| Coefficients for peak External Ground Dose | | | | | | | | |
|--|-----|-------|-----|-------|------|-------|----|-------|
| Coefficient = | | PCC | SRC | PRCC | SRRC | | | |
| Repetition = | | 2 | 2 | 2 | 2 | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | | |
| Depth of roots | 18 | 0.06 | 21 | 0.01 | 10 | -0.11 | 16 | -0.03 |
| Thickness of Unsaturated zone 1 | 12 | 0.12 | 16 | 0.02 | 3 | 0.23 | 8 | 0.06 |
| Runoff coefficient | 11 | 0.12 | 15 | 0.02 | 9 | -0.11 | 18 | -0.03 |
| Wind Speed | 20 | -0.05 | 22 | -0.01 | 12 | -0.05 | 20 | -0.01 |
| Well pump intake depth | 3 | -0.33 | 8 | -0.07 | 4 | -0.20 | 11 | -0.05 |
| External gamma shielding factor | 1 | 0.98 | 1 | 0.91 | 1 | 0.96 | 1 | 0.88 |
| Inhalation rate | 14 | -0.07 | 19 | -0.01 | 23 | -0.01 | 25 | 0.00 |
| Soil ingestion | 10 | -0.13 | 14 | -0.03 | 21 | -0.02 | 24 | -0.01 |
| Thickness of Unsaturated zone 2 | 24 | -0.01 | 25 | 0.00 | 8 | 0.11 | 17 | 0.03 |
| Kd of U-234 in Contaminated Zone | 22 | -0.03 | 12 | -0.03 | 17 | -0.04 | 12 | -0.05 |
| Kd of U-234 in Unsaturated Zone 1 | 5 | 0.21 | 2 | 0.40 | 16 | 0.04 | 10 | 0.05 |
| Kd of U-234 in Unsaturated Zone 2 | 8 | -0.15 | 10 | -0.06 | 6 | 0.14 | 4 | 0.19 |
| Kd of U-234 in Saturated Zone | 25 | -0.01 | 26 | 0.00 | 19 | -0.03 | 13 | -0.04 |
| Kd of U-235 in Contaminated Zone | 21 | 0.05 | 13 | 0.03 | 18 | 0.03 | 15 | 0.03 |
| Kd of U-235 in Unsaturated Zone 1 | 7 | -0.20 | 6 | -0.26 | 14 | -0.05 | 14 | -0.04 |
| Kd of U-235 in Unsaturated Zone 2 | 4 | 0.22 | 9 | 0.06 | 5 | -0.15 | 5 | -0.14 |
| Kd of U-235 in Saturated Zone | 15 | 0.07 | 18 | 0.02 | 22 | 0.02 | 19 | 0.02 |
| Kd of U-238 in Contaminated Zone | 27 | 0.00 | 24 | 0.00 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 6 | -0.21 | 5 | -0.27 | 24 | 0.01 | 22 | 0.01 |
| Kd of U-238 in Unsaturated Zone 2 | 9 | 0.14 | 11 | 0.05 | 7 | -0.11 | 6 | -0.10 |
| Kd of U-238 in Saturated Zone | 19 | 0.05 | 17 | 0.02 | 11 | 0.07 | 7 | 0.06 |
| Thickness of contaminated zone | 2 | 0.84 | 4 | 0.31 | 2 | 0.82 | 2 | 0.35 |
| Aquatic food | 23 | -0.02 | 23 | 0.00 | 25 | -0.01 | 26 | 0.00 |
| Depth of soil mixing layer | 17 | -0.07 | 20 | -0.01 | 13 | -0.05 | 21 | -0.01 |
| Mass loading for inhalation | 26 | 0.00 | 27 | 0.00 | 20 | -0.02 | 23 | -0.01 |
| Indoor time fraction | 16 | 0.07 | 7 | 0.22 | 26 | 0.01 | 9 | 0.06 |
| Outdoor time fraction | 13 | 0.11 | 3 | 0.34 | 15 | 0.04 | 3 | 0.21 |
| R-SQUARE | | 0.96 | | 0.96 | | 0.94 | | 0.94 |

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

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

| Coefficients for peak External Ground Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig |
| Depth of roots | 19 | 0.09 | 22 | 0.02 | 15 | 0.09 | 22 | 0.02 | |
| Thickness of Unsaturated zone 1 | 16 | 0.10 | 21 | 0.02 | 7 | 0.15 | 19 | 0.04 | |
| Runoff coefficient | 24 | 0.04 | 24 | 0.01 | 27 | 0.00 | 27 | 0.00 | |
| Wind Speed | 8 | 0.13 | 16 | 0.03 | 3 | 0.19 | 15 | 0.05 | |
| Well pump intake depth | 26 | 0.01 | 26 | 0.00 | 25 | 0.01 | 25 | 0.00 | |
| External gamma shielding factor | 1 | 0.97 | 2 | 0.93 | 1 | 0.96 | 2 | 0.89 | |
| Inhalation rate | 13 | 0.10 | 18 | 0.03 | 5 | 0.16 | 18 | 0.04 | |
| Soil ingestion | 10 | -0.11 | 17 | -0.03 | 9 | -0.13 | 21 | -0.03 | |
| Thickness of Unsaturated zone 2 | 17 | -0.09 | 20 | -0.03 | 26 | -0.01 | 26 | 0.00 | |
| Kd of U-234 in Contaminated Zone | 14 | 0.10 | 9 | 0.08 | 23 | -0.04 | 14 | -0.06 | |
| Kd of U-234 in Unsaturated Zone 1 | 9 | -0.12 | 5 | -0.21 | 13 | 0.10 | 6 | 0.12 | |
| Kd of U-234 in Unsaturated Zone 2 | 11 | 0.11 | 10 | 0.08 | 11 | -0.11 | 5 | -0.18 | |
| Kd of U-234 in Saturated Zone | 18 | 0.09 | 11 | 0.07 | 19 | -0.07 | 9 | -0.10 | |
| Kd of U-235 in Contaminated Zone | 27 | 0.00 | 27 | 0.00 | 16 | 0.08 | 12 | 0.07 | |
| Kd of U-235 in Unsaturated Zone 1 | 15 | 0.10 | 7 | 0.13 | 12 | -0.10 | 11 | -0.08 | |
| Kd of U-235 in Unsaturated Zone 2 | 23 | -0.05 | 19 | -0.03 | 14 | 0.10 | 8 | 0.10 | |
| Kd of U-235 in Saturated Zone | 12 | -0.11 | 12 | -0.05 | 20 | 0.06 | 13 | 0.06 | |
| Kd of U-238 in Contaminated Zone | 4 | -0.22 | 8 | -0.11 | 21 | -0.06 | 16 | -0.05 | |
| Kd of U-238 in Unsaturated Zone 1 | 6 | 0.15 | 6 | 0.18 | 22 | -0.05 | 17 | -0.04 | |
| Kd of U-238 in Unsaturated Zone 2 | 20 | -0.08 | 13 | -0.04 | 17 | 0.08 | 10 | 0.09 | |
| Kd of U-238 in Saturated Zone | 21 | -0.06 | 15 | -0.04 | 10 | 0.12 | 7 | 0.11 | |
| Thickness of contaminated zone | 2 | 0.82 | 4 | 0.36 | 2 | 0.83 | 4 | 0.37 | |
| Aquatic food | 22 | 0.05 | 23 | 0.01 | 8 | 0.15 | 20 | 0.04 | |
| Depth of soil mixing layer | 25 | 0.04 | 25 | 0.01 | 24 | -0.04 | 24 | -0.01 | |
| Mass loading for inhalation | 7 | -0.14 | 14 | -0.04 | 18 | -0.08 | 23 | -0.02 | |
| Indoor time fraction | 3 | -0.23 | 1 | -0.97 | 4 | -0.19 | 1 | -0.90 | |
| Outdoor time fraction | 5 | -0.20 | 3 | -0.85 | 6 | -0.16 | 3 | -0.76 | |
| R-SQUARE | | 0.94 | | 0.94 | | 0.94 | | 0.94 | |

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 13 | -0.12 | 18 | -0.04 | 6 | -0.16 | 19 | -0.05 |
| Thickness of Unsaturated zone 1 | 8 | 0.23 | 11 | 0.09 | 15 | 0.10 | 22 | 0.03 |
| Runoff coefficient | 22 | 0.02 | 26 | 0.01 | 16 | -0.09 | 24 | -0.03 |
| Wind Speed | 6 | -0.38 | 10 | -0.15 | 5 | -0.36 | 12 | -0.12 |
| Well pump intake depth | 19 | -0.05 | 21 | -0.02 | 24 | -0.03 | 25 | -0.01 |
| External gamma shielding factor | 20 | -0.05 | 22 | -0.02 | 27 | 0.00 | 27 | 0.00 |
| Inhalation rate | 4 | 0.65 | 8 | 0.30 | 4 | 0.60 | 6 | 0.24 |
| Soil ingestion | 12 | 0.15 | 15 | 0.05 | 26 | 0.02 | 26 | 0.01 |
| Thickness of Unsaturated zone 2 | 14 | -0.12 | 17 | -0.04 | 13 | 0.10 | 21 | 0.03 |
| Kd of U-234 in Contaminated Zone | 7 | 0.33 | 6 | 0.43 | 20 | 0.07 | 13 | 0.12 |
| Kd of U-234 in Unsaturated Zone 1 | 27 | 0.00 | 27 | 0.00 | 17 | 0.08 | 10 | 0.14 |
| Kd of U-234 in Unsaturated Zone 2 | 24 | -0.02 | 20 | -0.02 | 10 | -0.13 | 7 | -0.21 |
| Kd of U-234 in Saturated Zone | 16 | -0.10 | 13 | -0.06 | 22 | 0.05 | 14 | 0.10 |
| Kd of U-235 in Contaminated Zone | 5 | -0.39 | 7 | -0.38 | 23 | -0.05 | 18 | -0.06 |
| Kd of U-235 in Unsaturated Zone 1 | 25 | -0.02 | 19 | -0.03 | 25 | -0.03 | 23 | -0.03 |
| Kd of U-235 in Unsaturated Zone 2 | 18 | 0.09 | 12 | 0.06 | 7 | 0.15 | 8 | 0.16 |
| Kd of U-235 in Saturated Zone | 15 | 0.12 | 14 | 0.06 | 19 | -0.07 | 15 | -0.09 |
| Kd of U-238 in Contaminated Zone | 9 | -0.21 | 9 | -0.17 | 18 | -0.08 | 16 | -0.09 |
| Kd of U-238 in Unsaturated Zone 1 | 26 | 0.00 | 25 | 0.01 | 14 | -0.10 | 11 | -0.13 |
| Kd of U-238 in Unsaturated Zone 2 | 23 | 0.02 | 23 | 0.02 | 9 | 0.13 | 9 | 0.15 |
| Kd of U-238 in Saturated Zone | 17 | -0.09 | 16 | -0.05 | 21 | -0.05 | 17 | -0.07 |
| Thickness of contaminated zone | 3 | 0.77 | 5 | 0.44 | 2 | 0.85 | 2 | 0.50 |
| Aquatic food | 21 | 0.03 | 24 | 0.01 | 8 | 0.14 | 20 | 0.04 |
| Depth of soil mixing layer | 1 | -0.84 | 3 | -0.60 | 1 | -0.89 | 1 | -0.61 |
| Mass loading for inhalation | 2 | 0.80 | 4 | 0.49 | 3 | 0.77 | 5 | 0.38 |
| Indoor time fraction | 10 | -0.19 | 1 | -0.89 | 12 | -0.12 | 4 | -0.48 |
| Outdoor time fraction | 11 | -0.18 | 2 | -0.83 | 11 | -0.12 | 3 | -0.49 |
| R-SQUARE | | 0.88 | | 0.88 | | 0.91 | | 0.91 |

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

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 2 | | SRC 2 | | PRCC 2 | | SRRC 2 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 27 | 0.00 | 27 | 0.00 | 22 | -0.01 | 23 | 0.00 |
| Thickness of Unsaturated zone 1 | 11 | 0.11 | 13 | 0.04 | 6 | 0.28 | 13 | 0.08 |
| Runoff coefficient | 15 | -0.04 | 22 | -0.01 | 21 | 0.05 | 21 | 0.01 |
| Wind Speed | 5 | -0.33 | 8 | -0.13 | 5 | -0.42 | 10 | -0.13 |
| Well pump intake depth | 13 | 0.06 | 18 | 0.02 | 25 | 0.00 | 27 | 0.00 |
| External gamma shielding factor | 26 | 0.00 | 26 | 0.00 | 14 | -0.10 | 20 | -0.03 |
| Inhalation rate | 4 | 0.62 | 7 | 0.29 | 4 | 0.67 | 6 | 0.25 |
| Soil ingestion | 25 | -0.01 | 25 | 0.00 | 11 | -0.15 | 19 | -0.04 |
| Thickness of Unsaturated zone 2 | 24 | -0.01 | 24 | 0.00 | 7 | 0.16 | 18 | 0.05 |
| Kd of U-234 in Contaminated Zone | 18 | -0.02 | 14 | -0.04 | 16 | 0.09 | 9 | 0.13 |
| Kd of U-234 in Unsaturated Zone 1 | 6 | 0.21 | 1 | 0.78 | 8 | 0.16 | 7 | 0.23 |
| Kd of U-234 in Unsaturated Zone 2 | 20 | 0.02 | 21 | 0.01 | 27 | 0.00 | 25 | 0.00 |
| Kd of U-234 in Saturated Zone | 10 | -0.11 | 11 | -0.07 | 20 | -0.05 | 15 | -0.07 |
| Kd of U-235 in Contaminated Zone | 22 | 0.01 | 20 | 0.02 | 15 | -0.09 | 12 | -0.10 |
| Kd of U-235 in Unsaturated Zone 1 | 7 | -0.20 | 4 | -0.49 | 9 | -0.15 | 8 | -0.14 |
| Kd of U-235 in Unsaturated Zone 2 | 12 | -0.06 | 16 | -0.03 | 26 | 0.00 | 24 | 0.00 |
| Kd of U-235 in Saturated Zone | 21 | -0.02 | 23 | -0.01 | 17 | 0.08 | 14 | 0.08 |
| Kd of U-238 in Contaminated Zone | 17 | 0.03 | 15 | 0.04 | 13 | -0.12 | 11 | -0.12 |
| Kd of U-238 in Unsaturated Zone 1 | 8 | -0.17 | 6 | -0.42 | 19 | -0.05 | 17 | -0.05 |
| Kd of U-238 in Unsaturated Zone 2 | 16 | 0.03 | 17 | 0.02 | 23 | 0.00 | 22 | 0.00 |
| Kd of U-238 in Saturated Zone | 9 | 0.14 | 10 | 0.08 | 18 | 0.06 | 16 | 0.06 |
| Thickness of contaminated zone | 2 | 0.81 | 3 | 0.51 | 1 | 0.91 | 3 | 0.59 |
| Aquatic food | 14 | 0.05 | 19 | 0.02 | 24 | 0.00 | 26 | 0.00 |
| Depth of soil mixing layer | 3 | -0.79 | 5 | -0.46 | 2 | -0.89 | 4 | -0.54 |
| Mass loading for inhalation | 1 | 0.82 | 2 | 0.52 | 3 | 0.87 | 5 | 0.48 |
| Indoor time fraction | 23 | 0.01 | 12 | 0.07 | 12 | 0.14 | 2 | 0.77 |
| Outdoor time fraction | 19 | 0.02 | 9 | 0.11 | 10 | 0.15 | 1 | 0.82 |
| R-SQUARE | | 0.88 | | 0.88 | | 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 Inhalation particles Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 8 | 0.13 | 13 | 0.04 | 9 | 0.14 | 16 | 0.04 |
| Thickness of Unsaturated zone 1 | 10 | -0.12 | 14 | -0.04 | 15 | -0.08 | 21 | -0.02 |
| Runoff coefficient | 19 | 0.05 | 25 | 0.02 | 5 | 0.26 | 14 | 0.08 |
| Wind Speed | 15 | -0.07 | 22 | -0.03 | 12 | -0.11 | 19 | -0.03 |
| Well pump intake depth | 21 | 0.04 | 26 | 0.01 | 20 | -0.05 | 22 | -0.01 |
| External gamma shielding factor | 11 | 0.11 | 16 | 0.04 | 24 | 0.01 | 25 | 0.00 |
| Inhalation rate | 4 | 0.62 | 6 | 0.28 | 4 | 0.68 | 6 | 0.28 |
| Soil ingestion | 13 | -0.08 | 20 | -0.03 | 25 | 0.01 | 27 | 0.00 |
| Thickness of Unsaturated zone 2 | 18 | -0.05 | 24 | -0.02 | 10 | -0.13 | 17 | -0.04 |
| Kd of U-234 in Contaminated Zone | 24 | 0.03 | 18 | 0.03 | 19 | -0.06 | 12 | -0.09 |
| Kd of U-234 in Unsaturated Zone 1 | 26 | -0.02 | 12 | -0.05 | 23 | -0.02 | 20 | -0.02 |
| Kd of U-234 in Unsaturated Zone 2 | 16 | -0.06 | 11 | -0.06 | 18 | -0.08 | 9 | -0.15 |
| Kd of U-234 in Saturated Zone | 23 | 0.03 | 17 | 0.04 | 11 | 0.12 | 7 | 0.20 |
| Kd of U-235 in Contaminated Zone | 27 | 0.01 | 27 | 0.01 | 8 | 0.16 | 8 | 0.17 |
| Kd of U-235 in Unsaturated Zone 1 | 22 | 0.04 | 10 | 0.06 | 26 | 0.01 | 24 | 0.01 |
| Kd of U-235 in Unsaturated Zone 2 | 17 | -0.05 | 15 | -0.04 | 22 | 0.03 | 18 | 0.04 |
| Kd of U-235 in Saturated Zone | 9 | 0.12 | 9 | 0.07 | 13 | -0.10 | 11 | -0.11 |
| Kd of U-238 in Contaminated Zone | 20 | -0.04 | 21 | -0.03 | 27 | 0.00 | 26 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 14 | 0.08 | 7 | 0.13 | 17 | 0.08 | 15 | 0.08 |
| Kd of U-238 in Unsaturated Zone 2 | 7 | 0.14 | 8 | 0.09 | 14 | 0.09 | 10 | 0.12 |
| Kd of U-238 in Saturated Zone | 25 | -0.03 | 23 | -0.02 | 16 | -0.08 | 13 | -0.08 |
| Thickness of contaminated zone | 1 | 0.83 | 4 | 0.52 | 1 | 0.89 | 3 | 0.57 |
| Aquatic food | 12 | -0.09 | 19 | -0.03 | 21 | 0.03 | 23 | 0.01 |
| Depth of soil mixing layer | 3 | -0.78 | 5 | -0.43 | 2 | -0.86 | 4 | -0.50 |
| Mass loading for inhalation | 2 | 0.82 | 3 | 0.54 | 3 | 0.84 | 5 | 0.47 |
| Indoor time fraction | 5 | -0.30 | 1 | -1.81 | 6 | -0.25 | 1 | -1.47 |
| Outdoor time fraction | 6 | -0.29 | 2 | -1.75 | 7 | -0.24 | 2 | -1.37 |
| 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.

| Coefficients for peak Radon (WaterInd.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 1 | -0.79 | 2 | -0.65 | 2 | -0.95 | 1 | -0.70 |
| Thickness of Unsaturated zone 1 | 15 | -0.12 | 17 | -0.06 | 27 | -0.03 | 27 | -0.01 |
| Runoff coefficient | 14 | -0.12 | 18 | -0.06 | 13 | 0.11 | 22 | 0.02 |
| Wind Speed | 13 | -0.12 | 16 | -0.06 | 9 | -0.18 | 18 | -0.04 |
| Well pump intake depth | 24 | 0.02 | 26 | 0.01 | 19 | 0.06 | 25 | 0.01 |
| External gamma shielding factor | 21 | -0.04 | 24 | -0.02 | 22 | 0.06 | 26 | 0.01 |
| Inhalation rate | 17 | 0.09 | 20 | 0.04 | 12 | -0.12 | 21 | -0.03 |
| Soil ingestion | 11 | 0.15 | 13 | 0.07 | 8 | 0.18 | 17 | 0.04 |
| Thickness of Unsaturated zone 2 | 3 | -0.28 | 9 | -0.15 | 16 | -0.08 | 23 | -0.02 |
| Kd of U-234 in Contaminated Zone | 7 | 0.20 | 6 | 0.34 | 11 | 0.15 | 4 | 0.19 |
| Kd of U-234 in Unsaturated Zone 1 | 9 | 0.19 | 1 | 0.74 | 23 | -0.05 | 13 | -0.06 |
| Kd of U-234 in Unsaturated Zone 2 | 23 | 0.02 | 22 | 0.03 | 6 | -0.20 | 3 | -0.24 |
| Kd of U-234 in Saturated Zone | 16 | 0.10 | 11 | 0.09 | 17 | 0.07 | 9 | 0.09 |
| Kd of U-235 in Contaminated Zone | 8 | -0.19 | 8 | -0.24 | 5 | -0.20 | 6 | -0.18 |
| Kd of U-235 in Unsaturated Zone 1 | 6 | -0.21 | 3 | -0.56 | 18 | 0.06 | 16 | 0.05 |
| Kd of U-235 in Unsaturated Zone 2 | 18 | 0.08 | 12 | 0.08 | 3 | 0.23 | 5 | 0.18 |
| Kd of U-235 in Saturated Zone | 20 | -0.04 | 23 | -0.03 | 15 | -0.08 | 12 | -0.07 |
| Kd of U-238 in Contaminated Zone | 4 | -0.23 | 7 | -0.26 | 14 | -0.11 | 10 | -0.09 |
| Kd of U-238 in Unsaturated Zone 1 | 10 | -0.17 | 5 | -0.44 | 21 | 0.06 | 15 | 0.05 |
| Kd of U-238 in Unsaturated Zone 2 | 22 | -0.03 | 19 | -0.05 | 7 | 0.20 | 7 | 0.16 |
| Kd of U-238 in Saturated Zone | 19 | -0.06 | 21 | -0.04 | 24 | -0.04 | 20 | -0.04 |
| Thickness of contaminated zone | 2 | 0.71 | 4 | 0.50 | 1 | 0.95 | 2 | 0.67 |
| Aquatic food | 26 | -0.01 | 27 | 0.00 | 20 | 0.06 | 24 | 0.01 |
| Depth of soil mixing layer | 5 | -0.23 | 10 | -0.13 | 4 | -0.23 | 14 | -0.05 |
| Mass loading for inhalation | 12 | 0.14 | 14 | 0.07 | 10 | -0.17 | 19 | -0.04 |
| Indoor time fraction | 27 | 0.00 | 25 | -0.01 | 26 | 0.03 | 11 | 0.08 |
| Outdoor time fraction | 25 | 0.01 | 15 | 0.06 | 25 | 0.04 | 8 | 0.10 |
| R-SQUARE | | 0.77 | | 0.77 | | 0.95 | | 0.95 |

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

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

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

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 1 | -0.80 | 3 | -0.67 | 1 | -0.94 | 1 | -0.71 |
| Thickness of Unsaturated zone 1 | 15 | 0.10 | 17 | 0.05 | 7 | 0.10 | 14 | 0.02 |
| Runoff coefficient | 27 | 0.00 | 27 | 0.00 | 3 | -0.20 | 10 | -0.05 |
| Wind Speed | 24 | -0.02 | 25 | -0.01 | 12 | -0.07 | 18 | -0.02 |
| Well pump intake depth | 18 | 0.09 | 20 | 0.05 | 26 | 0.00 | 27 | 0.00 |
| External gamma shielding factor | 17 | -0.09 | 19 | -0.05 | 24 | 0.00 | 26 | 0.00 |
| Inhalation rate | 12 | 0.12 | 16 | 0.06 | 10 | 0.08 | 15 | 0.02 |
| Soil ingestion | 22 | -0.02 | 24 | -0.01 | 15 | 0.05 | 19 | 0.01 |
| Thickness of Unsaturated zone 2 | 16 | -0.10 | 18 | -0.05 | 20 | 0.02 | 23 | 0.00 |
| Kd of U-234 in Contaminated Zone | 21 | 0.03 | 12 | 0.09 | 9 | -0.09 | 4 | -0.12 |
| Kd of U-234 in Unsaturated Zone 1 | 10 | -0.12 | 4 | -0.62 | 8 | 0.09 | 6 | 0.11 |
| Kd of U-234 in Unsaturated Zone 2 | 23 | -0.02 | 22 | -0.02 | 13 | 0.06 | 9 | 0.07 |
| Kd of U-234 in Saturated Zone | 7 | -0.15 | 10 | -0.14 | 23 | 0.01 | 21 | 0.01 |
| Kd of U-235 in Contaminated Zone | 26 | 0.00 | 26 | 0.00 | 6 | 0.12 | 5 | 0.11 |
| Kd of U-235 in Unsaturated Zone 1 | 11 | 0.12 | 7 | 0.41 | 5 | -0.16 | 3 | -0.12 |
| Kd of U-235 in Unsaturated Zone 2 | 19 | -0.09 | 15 | -0.07 | 17 | -0.04 | 13 | -0.04 |
| Kd of U-235 in Saturated Zone | 8 | 0.13 | 14 | 0.08 | 27 | 0.00 | 25 | 0.00 |
| Kd of U-238 in Contaminated Zone | 25 | -0.01 | 23 | -0.02 | 25 | 0.00 | 24 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 9 | 0.13 | 6 | 0.42 | 22 | -0.01 | 22 | -0.01 |
| Kd of U-238 in Unsaturated Zone 2 | 20 | 0.04 | 21 | 0.04 | 19 | -0.02 | 17 | -0.02 |
| Kd of U-238 in Saturated Zone | 6 | 0.16 | 11 | 0.13 | 14 | 0.05 | 11 | 0.05 |
| Thickness of contaminated zone | 2 | 0.67 | 5 | 0.47 | 2 | 0.94 | 2 | 0.67 |
| Aquatic food | 5 | -0.17 | 13 | -0.09 | 16 | -0.04 | 20 | -0.01 |
| Depth of soil mixing layer | 3 | 0.30 | 8 | 0.16 | 11 | 0.07 | 16 | 0.02 |
| Mass loading for inhalation | 4 | 0.27 | 9 | 0.14 | 4 | -0.16 | 12 | -0.04 |
| Indoor time fraction | 14 | -0.11 | 2 | -0.93 | 21 | -0.02 | 8 | -0.08 |
| Outdoor time fraction | 13 | -0.12 | 1 | -0.99 | 18 | -0.02 | 7 | -0.10 |
| R-SQUARE | | 0.76 | | 0.76 | | 0.95 | | 0.95 |

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

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

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

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 1 | -0.74 | 1 | -0.61 | 1 | -0.92 | 1 | -0.67 |
| Thickness of Unsaturated zone 1 | 18 | -0.04 | 22 | -0.02 | 20 | 0.05 | 24 | 0.01 |
| Runoff coefficient | 25 | 0.02 | 26 | 0.01 | 11 | -0.08 | 20 | -0.02 |
| Wind Speed | 5 | 0.14 | 15 | 0.08 | 9 | 0.09 | 19 | 0.03 |
| Well pump intake depth | 24 | -0.02 | 24 | -0.01 | 25 | 0.01 | 27 | 0.00 |
| External gamma shielding factor | 27 | 0.00 | 27 | 0.00 | 7 | -0.11 | 18 | -0.03 |
| Inhalation rate | 4 | -0.14 | 14 | -0.08 | 18 | -0.06 | 23 | -0.02 |
| Soil ingestion | 10 | 0.08 | 18 | 0.04 | 6 | -0.12 | 17 | -0.03 |
| Thickness of Unsaturated zone 2 | 20 | 0.03 | 23 | 0.02 | 4 | 0.13 | 15 | 0.04 |
| Kd of U-234 in Contaminated Zone | 9 | 0.09 | 8 | 0.15 | 19 | -0.06 | 8 | -0.08 |
| Kd of U-234 in Unsaturated Zone 1 | 16 | 0.05 | 6 | 0.20 | 21 | 0.05 | 11 | 0.06 |
| Kd of U-234 in Unsaturated Zone 2 | 6 | -0.13 | 5 | -0.20 | 24 | 0.02 | 16 | 0.04 |
| Kd of U-234 in Saturated Zone | 15 | 0.06 | 13 | 0.09 | 13 | -0.08 | 6 | -0.13 |
| Kd of U-235 in Contaminated Zone | 26 | 0.01 | 25 | 0.01 | 14 | 0.08 | 9 | 0.08 |
| Kd of U-235 in Unsaturated Zone 1 | 12 | -0.07 | 7 | -0.18 | 8 | -0.10 | 7 | -0.10 |
| Kd of U-235 in Unsaturated Zone 2 | 8 | 0.11 | 9 | 0.14 | 23 | -0.04 | 13 | -0.04 |
| Kd of U-235 in Saturated Zone | 21 | -0.03 | 21 | -0.03 | 5 | 0.12 | 5 | 0.14 |
| Kd of U-238 in Contaminated Zone | 22 | -0.03 | 20 | -0.03 | 27 | -0.01 | 26 | -0.01 |
| Kd of U-238 in Unsaturated Zone 1 | 17 | -0.04 | 10 | -0.11 | 26 | 0.01 | 25 | 0.01 |
| Kd of U-238 in Unsaturated Zone 2 | 14 | 0.06 | 17 | 0.06 | 22 | -0.04 | 12 | -0.06 |
| Kd of U-238 in Saturated Zone | 11 | -0.07 | 12 | -0.10 | 15 | 0.06 | 10 | 0.07 |
| Thickness of contaminated zone | 2 | 0.66 | 2 | 0.48 | 2 | 0.92 | 2 | 0.67 |
| Aquatic food | 7 | -0.11 | 16 | -0.06 | 16 | -0.06 | 21 | -0.02 |
| Depth of soil mixing layer | 3 | 0.18 | 11 | 0.10 | 17 | -0.06 | 22 | -0.02 |
| Mass loading for inhalation | 13 | 0.06 | 19 | 0.04 | 3 | -0.14 | 14 | -0.04 |
| Indoor time fraction | 23 | 0.03 | 4 | 0.26 | 12 | -0.08 | 4 | -0.47 |
| Outdoor time fraction | 19 | 0.04 | 3 | 0.33 | 10 | -0.09 | 3 | -0.51 |
| R-SQUARE | | 0.72 | | 0.72 | | 0.92 | | 0.92 |

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

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

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

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Meat (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
|---------------------------------------|-----|-------|-----|-------|-----|-------|-----|-------|
| Depth of roots | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Milk (WaterInd.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Soil Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 26 | -0.01 | 27 | -0.01 | 15 | -0.11 | 23 | -0.03 |
| Thickness of Unsaturated zone 1 | 11 | 0.13 | 15 | 0.05 | 9 | 0.14 | 20 | 0.04 |
| Runoff coefficient | 10 | -0.15 | 14 | -0.06 | 6 | -0.18 | 18 | -0.06 |
| Wind Speed | 15 | 0.07 | 21 | 0.03 | 25 | 0.02 | 25 | 0.01 |
| Well pump intake depth | 7 | 0.17 | 13 | 0.06 | 26 | 0.01 | 26 | 0.00 |
| External gamma shielding factor | 20 | -0.04 | 24 | -0.02 | 7 | 0.17 | 19 | 0.05 |
| Inhalation rate | 14 | 0.08 | 20 | 0.03 | 11 | 0.12 | 21 | 0.04 |
| Soil ingestion | 1 | 0.86 | 1 | 0.59 | 2 | 0.87 | 2 | 0.52 |
| Thickness of Unsaturated zone 2 | 16 | 0.06 | 22 | 0.02 | 5 | 0.19 | 17 | 0.06 |
| Kd of U-234 in Contaminated Zone | 8 | 0.16 | 5 | 0.19 | 16 | -0.11 | 8 | -0.18 |
| Kd of U-234 in Unsaturated Zone 1 | 25 | -0.02 | 17 | -0.04 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 13 | -0.09 | 12 | -0.11 | 18 | -0.10 | 9 | -0.16 |
| Kd of U-234 in Saturated Zone | 6 | -0.19 | 8 | -0.12 | 14 | 0.11 | 6 | 0.22 |
| Kd of U-235 in Contaminated Zone | 5 | -0.19 | 6 | -0.17 | 10 | 0.13 | 10 | 0.15 |
| Kd of U-235 in Unsaturated Zone 1 | 17 | 0.06 | 9 | 0.11 | 19 | 0.08 | 14 | 0.09 |
| Kd of U-235 in Unsaturated Zone 2 | 9 | 0.16 | 11 | 0.11 | 13 | 0.12 | 12 | 0.12 |
| Kd of U-235 in Saturated Zone | 24 | 0.02 | 25 | 0.01 | 8 | -0.15 | 7 | -0.18 |
| Kd of U-238 in Contaminated Zone | 19 | -0.05 | 18 | -0.04 | 21 | 0.07 | 16 | 0.07 |
| Kd of U-238 in Unsaturated Zone 1 | 27 | -0.01 | 23 | -0.02 | 24 | -0.02 | 24 | -0.03 |
| Kd of U-238 in Unsaturated Zone 2 | 21 | 0.04 | 19 | 0.04 | 20 | 0.07 | 15 | 0.08 |
| Kd of U-238 in Saturated Zone | 12 | 0.10 | 16 | 0.05 | 17 | -0.11 | 11 | -0.14 |
| Thickness of contaminated zone | 3 | 0.76 | 3 | 0.41 | 1 | 0.88 | 1 | 0.54 |
| Aquatic food | 4 | 0.29 | 10 | 0.11 | 4 | 0.29 | 13 | 0.09 |
| Depth of soil mixing layer | 2 | -0.82 | 2 | -0.55 | 3 | -0.86 | 3 | -0.50 |
| Mass loading for inhalation | 23 | 0.02 | 26 | 0.01 | 12 | -0.12 | 22 | -0.04 |
| Indoor time fraction | 22 | -0.04 | 7 | -0.17 | 22 | 0.07 | 4 | 0.26 |
| Outdoor time fraction | 18 | -0.05 | 4 | -0.23 | 23 | 0.05 | 5 | 0.22 |
| R-SQUARE | | 0.88 | | 0.88 | | 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 Soil Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Coefficient = | | 2 | | 2 | | 2 | | 2 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig |
| Depth of roots | 23 | 0.03 | 24 | 0.01 | 26 | 0.01 | 26 | 0.00 | |
| Thickness of Unsaturated zone 1 | 26 | -0.01 | 27 | 0.00 | 5 | 0.23 | 12 | 0.08 | |
| Runoff coefficient | 16 | -0.08 | 19 | -0.03 | 13 | -0.09 | 20 | -0.03 | |
| Wind Speed | 20 | -0.05 | 22 | -0.02 | 27 | 0.00 | 27 | 0.00 | |
| Well pump intake depth | 15 | -0.10 | 17 | -0.04 | 7 | -0.19 | 14 | -0.06 | |
| External gamma shielding factor | 22 | -0.04 | 23 | -0.01 | 19 | -0.05 | 24 | -0.01 | |
| Inhalation rate | 13 | 0.13 | 14 | 0.05 | 17 | 0.06 | 23 | 0.02 | |
| Soil ingestion | 1 | 0.83 | 4 | 0.53 | 3 | 0.85 | 5 | 0.52 | |
| Thickness of Unsaturated zone 2 | 24 | -0.02 | 26 | -0.01 | 24 | 0.03 | 25 | 0.01 | |
| Kd of U-234 in Contaminated Zone | 7 | 0.23 | 7 | 0.45 | 22 | 0.03 | 16 | 0.06 | |
| Kd of U-234 in Unsaturated Zone 1 | 5 | 0.28 | 1 | 1.02 | 6 | 0.20 | 6 | 0.33 | |
| Kd of U-234 in Unsaturated Zone 2 | 17 | 0.05 | 15 | 0.04 | 20 | 0.04 | 13 | 0.07 | |
| Kd of U-234 in Saturated Zone | 8 | -0.22 | 10 | -0.14 | 16 | -0.07 | 10 | -0.12 | |
| Kd of U-235 in Contaminated Zone | 10 | -0.21 | 9 | -0.25 | 23 | 0.03 | 19 | 0.04 | |
| Kd of U-235 in Unsaturated Zone 1 | 4 | -0.28 | 2 | -0.68 | 4 | -0.24 | 7 | -0.26 | |
| Kd of U-235 in Unsaturated Zone 2 | 12 | 0.14 | 12 | 0.07 | 25 | -0.02 | 22 | -0.03 | |
| Kd of U-235 in Saturated Zone | 21 | 0.05 | 20 | 0.02 | 15 | 0.07 | 11 | 0.09 | |
| Kd of U-238 in Contaminated Zone | 11 | -0.19 | 8 | -0.28 | 18 | -0.06 | 15 | -0.06 | |
| Kd of U-238 in Unsaturated Zone 1 | 6 | -0.25 | 3 | -0.61 | 8 | -0.17 | 8 | -0.18 | |
| Kd of U-238 in Unsaturated Zone 2 | 19 | -0.05 | 18 | -0.03 | 21 | -0.03 | 18 | -0.04 | |
| Kd of U-238 in Saturated Zone | 9 | 0.22 | 11 | 0.13 | 12 | 0.11 | 9 | 0.12 | |
| Thickness of contaminated zone | 3 | 0.80 | 6 | 0.49 | 1 | 0.88 | 3 | 0.59 | |
| Aquatic food | 18 | 0.05 | 21 | 0.02 | 14 | 0.08 | 21 | 0.03 | |
| Depth of soil mixing layer | 2 | -0.81 | 5 | -0.49 | 2 | -0.86 | 4 | -0.53 | |
| Mass loading for inhalation | 14 | 0.10 | 16 | 0.04 | 11 | -0.13 | 17 | -0.04 | |
| Indoor time fraction | 27 | 0.00 | 25 | -0.01 | 10 | 0.13 | 2 | 0.86 | |
| Outdoor time fraction | 25 | -0.01 | 13 | -0.07 | 9 | 0.13 | 1 | 0.86 | |
| R-SQUARE | | 0.88 | | 0.88 | | 0.90 | | 0.90 | |

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

Coefficients for peak Soil Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 5 | 0.16 | 10 | 0.05 | 25 | 0.01 | 25 | 0.00 |
| Thickness of Unsaturated zone 1 | 10 | -0.07 | 13 | -0.02 | 21 | 0.06 | 24 | 0.01 |
| Runoff coefficient | 23 | 0.01 | 23 | 0.00 | 16 | 0.09 | 19 | 0.02 |
| Wind Speed | 25 | 0.00 | 25 | 0.00 | 7 | 0.17 | 16 | 0.04 |
| Well pump intake depth | 13 | 0.05 | 19 | 0.02 | 20 | 0.06 | 22 | 0.01 |
| External gamma shielding factor | 15 | 0.04 | 21 | 0.01 | 19 | -0.07 | 21 | -0.02 |
| Inhalation rate | 12 | -0.05 | 17 | -0.02 | 4 | 0.28 | 14 | 0.07 |
| Soil ingestion | 2 | 0.86 | 4 | 0.55 | 3 | 0.91 | 5 | 0.54 |
| Thickness of Unsaturated zone 2 | 20 | 0.01 | 22 | 0.00 | 26 | -0.01 | 26 | 0.00 |
| Kd of U-234 in Contaminated Zone | 14 | 0.05 | 11 | 0.05 | 14 | -0.10 | 9 | -0.13 |
| Kd of U-234 in Unsaturated Zone 1 | 17 | 0.03 | 9 | 0.06 | 9 | -0.13 | 7 | -0.16 |
| Kd of U-234 in Unsaturated Zone 2 | 19 | 0.02 | 18 | 0.02 | 22 | -0.04 | 15 | -0.06 |
| Kd of U-234 in Saturated Zone | 18 | 0.02 | 14 | 0.02 | 17 | -0.08 | 11 | -0.11 |
| Kd of U-235 in Contaminated Zone | 27 | 0.00 | 27 | 0.00 | 6 | 0.18 | 8 | 0.15 |
| Kd of U-235 in Unsaturated Zone 1 | 21 | 0.01 | 15 | 0.02 | 8 | 0.13 | 12 | 0.11 |
| Kd of U-235 in Unsaturated Zone 2 | 9 | -0.08 | 8 | -0.06 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-235 in Saturated Zone | 26 | 0.00 | 26 | 0.00 | 10 | 0.13 | 10 | 0.12 |
| Kd of U-238 in Contaminated Zone | 16 | -0.03 | 16 | -0.02 | 23 | 0.03 | 17 | 0.03 |
| Kd of U-238 in Unsaturated Zone 1 | 22 | 0.01 | 20 | 0.01 | 5 | 0.22 | 6 | 0.18 |
| Kd of U-238 in Unsaturated Zone 2 | 11 | 0.06 | 12 | 0.03 | 24 | 0.01 | 23 | 0.01 |
| Kd of U-238 in Saturated Zone | 8 | -0.09 | 6 | -0.08 | 13 | 0.12 | 13 | 0.10 |
| Thickness of contaminated zone | 1 | 0.87 | 3 | 0.57 | 1 | 0.93 | 1 | 0.60 |
| Aquatic food | 24 | -0.01 | 24 | 0.00 | 18 | -0.08 | 20 | -0.02 |
| Depth of soil mixing layer | 3 | -0.85 | 5 | -0.53 | 2 | -0.92 | 2 | -0.55 |
| Mass loading for inhalation | 4 | -0.18 | 7 | -0.07 | 15 | -0.10 | 18 | -0.03 |
| Indoor time fraction | 6 | -0.13 | 1 | -0.73 | 11 | -0.12 | 3 | -0.55 |
| Outdoor time fraction | 7 | -0.13 | 2 | -0.72 | 12 | -0.12 | 4 | -0.54 |
| R-SQUARE | | 0.90 | | 0.90 | | 0.94 | | 0.94 |

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

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

Coefficients for peak Water Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 5 | -0.19 | 14 | -0.11 | 18 | -0.13 | 21 | -0.06 |
| Thickness of Unsaturated zone 1 | 12 | -0.12 | 19 | -0.07 | 4 | -0.29 | 17 | -0.14 |
| Runoff coefficient | 2 | -0.57 | 5 | -0.39 | 1 | -0.76 | 4 | -0.54 |
| Wind Speed | 8 | 0.17 | 15 | 0.10 | 22 | 0.09 | 24 | 0.04 |
| Well pump intake depth | 3 | -0.43 | 7 | -0.27 | 8 | -0.24 | 18 | -0.11 |
| External gamma shielding factor | 9 | 0.17 | 17 | 0.10 | 7 | 0.24 | 19 | 0.11 |
| Inhalation rate | 7 | 0.18 | 16 | 0.10 | 19 | 0.12 | 22 | 0.06 |
| Soil ingestion | 22 | -0.03 | 25 | -0.02 | 13 | -0.21 | 20 | -0.10 |
| Thickness of Unsaturated zone 2 | 4 | -0.40 | 8 | -0.26 | 3 | -0.66 | 12 | -0.41 |
| Kd of U-234 in Contaminated Zone | 10 | 0.12 | 9 | 0.24 | 9 | -0.23 | 2 | -0.62 |
| Kd of U-234 in Unsaturated Zone 1 | 13 | -0.11 | 2 | -0.51 | 15 | 0.17 | 5 | 0.47 |
| Kd of U-234 in Unsaturated Zone 2 | 25 | 0.02 | 22 | 0.03 | 23 | -0.08 | 16 | -0.19 |
| Kd of U-234 in Saturated Zone | 19 | 0.06 | 20 | 0.06 | 10 | -0.23 | 1 | -0.69 |
| Kd of U-235 in Contaminated Zone | 16 | -0.09 | 12 | -0.13 | 11 | 0.23 | 10 | 0.42 |
| Kd of U-235 in Unsaturated Zone 1 | 18 | 0.06 | 10 | 0.19 | 6 | -0.24 | 9 | -0.42 |
| Kd of U-235 in Unsaturated Zone 2 | 24 | -0.02 | 24 | -0.02 | 17 | 0.14 | 15 | 0.22 |
| Kd of U-235 in Saturated Zone | 14 | -0.10 | 18 | -0.08 | 12 | 0.22 | 11 | 0.41 |
| Kd of U-238 in Contaminated Zone | 15 | -0.10 | 13 | -0.13 | 5 | 0.26 | 8 | 0.44 |
| Kd of U-238 in Unsaturated Zone 1 | 11 | 0.12 | 6 | 0.36 | 16 | -0.16 | 14 | -0.31 |
| Kd of U-238 in Unsaturated Zone 2 | 23 | 0.02 | 21 | 0.04 | 27 | 0.01 | 25 | 0.02 |
| Kd of U-238 in Saturated Zone | 6 | -0.19 | 11 | -0.16 | 14 | 0.20 | 13 | 0.40 |
| Thickness of contaminated zone | 1 | 0.70 | 1 | 0.56 | 2 | 0.71 | 6 | 0.47 |
| Aquatic food | 27 | 0.00 | 27 | 0.00 | 26 | -0.04 | 27 | -0.02 |
| Depth of soil mixing layer | 26 | 0.01 | 26 | 0.01 | 25 | -0.05 | 26 | -0.02 |
| Mass loading for inhalation | 21 | 0.06 | 23 | 0.03 | 20 | 0.09 | 23 | 0.04 |
| Indoor time fraction | 20 | 0.06 | 4 | 0.42 | 21 | -0.09 | 3 | -0.54 |
| Outdoor time fraction | 17 | 0.06 | 3 | 0.46 | 24 | -0.07 | 7 | -0.45 |
| R-SQUARE | | 0.69 | | 0.69 | | 0.79 | | 0.79 |

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

-R-SQUARE varies between 0 and 1 and is called the coefficient 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 | 14 -0.14 | 19 -0.07 | 5 -0.23 | 16 -0.11 |
| Thickness of Unsaturated zone 1 | 5 -0.27 | 13 -0.15 | 6 -0.20 | 17 -0.09 |
| Runoff coefficient | 2 -0.58 | 4 -0.39 | 2 -0.73 | 2 -0.49 |
| Wind Speed | 18 0.09 | 21 0.05 | 10 0.17 | 19 0.08 |
| Well pump intake depth | 4 -0.37 | 10 -0.22 | 4 -0.28 | 14 -0.13 |
| External gamma shielding factor | 25 0.02 | 25 0.01 | 26 -0.01 | 27 0.00 |
| Inhalation rate | 17 0.11 | 20 0.06 | 25 -0.01 | 26 -0.01 |
| Soil ingestion | 27 0.00 | 27 0.00 | 18 0.09 | 22 0.04 |
| Thickness of Unsaturated zone 2 | 3 -0.38 | 9 -0.23 | 3 -0.59 | 4 -0.33 |
| Kd of U-234 in Contaminated Zone | 15 -0.13 | 5 -0.37 | 15 0.13 | 5 0.32 |
| Kd of U-234 in Unsaturated Zone 1 | 22 0.05 | 7 0.29 | 9 0.17 | 3 0.39 |
| Kd of U-234 in Unsaturated Zone 2 | 6 0.18 | 11 0.21 | 16 -0.12 | 6 -0.31 |
| Kd of U-234 in Saturated Zone | 26 0.01 | 26 0.01 | 21 -0.03 | 18 -0.08 |
| Kd of U-235 in Contaminated Zone | 12 0.15 | 8 0.27 | 19 -0.07 | 15 -0.13 |
| Kd of U-235 in Unsaturated Zone 1 | 23 -0.04 | 12 -0.15 | 7 -0.19 | 8 -0.30 |
| Kd of U-235 in Unsaturated Zone 2 | 11 -0.15 | 15 -0.12 | 8 0.17 | 7 0.30 |
| Kd of U-235 in Saturated Zone | 20 -0.07 | 23 -0.04 | 27 0.01 | 25 0.01 |
| Kd of U-238 in Contaminated Zone | 7 0.17 | 6 0.36 | 13 -0.13 | 12 -0.21 |
| Kd of U-238 in Unsaturated Zone 1 | 24 -0.03 | 16 -0.10 | 17 -0.11 | 13 -0.16 |
| Kd of U-238 in Unsaturated Zone 2 | 16 -0.12 | 14 -0.13 | 12 0.15 | 10 0.26 |
| Kd of U-238 in Saturated Zone | 21 0.06 | 22 0.05 | 24 0.01 | 24 0.02 |
| Thickness of contaminated zone | 1 0.75 | 3 0.62 | 1 0.78 | 1 0.56 |
| Aquatic food | 19 -0.07 | 24 -0.04 | 20 -0.05 | 23 -0.03 |
| Depth of soil mixing layer | 13 0.15 | 18 0.08 | 11 0.16 | 20 0.07 |
| Mass loading for inhalation | 8 0.17 | 17 0.09 | 14 -0.13 | 21 -0.06 |
| Indoor time fraction | 9 -0.16 | 1 -1.46 | 22 -0.03 | 9 -0.28 |
| Outdoor time fraction | 10 -0.16 | 2 -1.40 | 23 -0.03 | 11 -0.23 |
| R-SQUARE | 0.72 | 0.72 | 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 Water Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 15 | 0.08 | 22 | 0.04 | 14 | 0.08 | 19 | 0.03 |
| Thickness of Unsaturated zone 1 | 12 | -0.09 | 20 | -0.05 | 9 | -0.13 | 16 | -0.06 |
| Runoff coefficient | 2 | -0.51 | 2 | -0.34 | 1 | -0.76 | 3 | -0.50 |
| Wind Speed | 9 | 0.13 | 17 | 0.08 | 11 | 0.09 | 18 | 0.04 |
| Well pump intake depth | 3 | -0.47 | 3 | -0.30 | 4 | -0.52 | 6 | -0.27 |
| External gamma shielding factor | 21 | 0.02 | 23 | 0.01 | 21 | -0.05 | 24 | -0.02 |
| Inhalation rate | 14 | 0.08 | 21 | 0.05 | 8 | 0.14 | 15 | 0.06 |
| Soil ingestion | 10 | -0.12 | 18 | -0.07 | 15 | 0.07 | 20 | 0.03 |
| Thickness of Unsaturated zone 2 | 4 | -0.29 | 5 | -0.19 | 2 | -0.73 | 4 | -0.47 |
| Kd of U-234 in Contaminated Zone | 18 | -0.03 | 19 | -0.06 | 12 | -0.09 | 7 | -0.19 |
| Kd of U-234 in Unsaturated Zone 1 | 19 | 0.03 | 9 | 0.14 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 6 | 0.15 | 4 | 0.25 | 18 | 0.06 | 8 | 0.18 |
| Kd of U-234 in Saturated Zone | 16 | 0.07 | 11 | 0.13 | 25 | 0.01 | 21 | 0.03 |
| Kd of U-235 in Contaminated Zone | 13 | -0.08 | 14 | -0.10 | 26 | 0.01 | 25 | 0.02 |
| Kd of U-235 in Unsaturated Zone 1 | 17 | -0.05 | 10 | -0.13 | 17 | 0.07 | 12 | 0.10 |
| Kd of U-235 in Unsaturated Zone 2 | 8 | -0.13 | 6 | -0.17 | 19 | -0.06 | 11 | -0.11 |
| Kd of U-235 in Saturated Zone | 25 | -0.01 | 24 | -0.01 | 16 | -0.07 | 10 | -0.12 |
| Kd of U-238 in Contaminated Zone | 27 | 0.01 | 27 | 0.01 | 20 | 0.05 | 14 | 0.07 |
| Kd of U-238 in Unsaturated Zone 1 | 20 | -0.03 | 16 | -0.08 | 23 | -0.02 | 23 | -0.02 |
| Kd of U-238 in Unsaturated Zone 2 | 7 | -0.14 | 8 | -0.16 | 13 | -0.08 | 9 | -0.16 |
| Kd of U-238 in Saturated Zone | 11 | -0.11 | 7 | -0.17 | 24 | -0.01 | 22 | -0.02 |
| Thickness of contaminated zone | 1 | 0.73 | 1 | 0.61 | 3 | 0.72 | 5 | 0.45 |
| Aquatic food | 22 | -0.02 | 25 | -0.01 | 22 | 0.03 | 26 | 0.01 |
| Depth of soil mixing layer | 23 | 0.02 | 26 | 0.01 | 5 | 0.18 | 13 | 0.08 |
| Mass loading for inhalation | 5 | -0.16 | 13 | -0.10 | 10 | -0.13 | 17 | -0.06 |
| Indoor time fraction | 24 | 0.01 | 12 | 0.12 | 7 | 0.15 | 2 | 1.23 |
| Outdoor time fraction | 26 | 0.01 | 15 | 0.10 | 6 | 0.15 | 1 | 1.26 |
| R-SQUARE | | 0.70 | | 0.70 | | 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 Fish Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 12 | -0.08 | 21 | -0.05 | 15 | -0.15 | 20 | -0.07 |
| Thickness of Unsaturated zone 1 | 7 | -0.17 | 12 | -0.11 | 5 | -0.31 | 16 | -0.15 |
| Runoff coefficient | 2 | -0.50 | 2 | -0.36 | 1 | -0.75 | 3 | -0.50 |
| Wind Speed | 6 | 0.25 | 10 | 0.16 | 23 | 0.05 | 25 | 0.02 |
| Well pump intake depth | 5 | -0.28 | 8 | -0.18 | 19 | -0.11 | 23 | -0.05 |
| External gamma shielding factor | 8 | 0.16 | 14 | 0.10 | 12 | 0.19 | 18 | 0.09 |
| Inhalation rate | 9 | 0.15 | 15 | 0.09 | 18 | 0.11 | 22 | 0.05 |
| Soil ingestion | 11 | 0.09 | 19 | 0.05 | 14 | -0.16 | 19 | -0.07 |
| Thickness of Unsaturated zone 2 | 4 | -0.37 | 4 | -0.26 | 3 | -0.70 | 6 | -0.45 |
| Kd of U-234 in Contaminated Zone | 16 | 0.06 | 11 | 0.12 | 7 | -0.26 | 2 | -0.68 |
| Kd of U-234 in Unsaturated Zone 1 | 19 | -0.05 | 5 | -0.24 | 16 | 0.13 | 11 | 0.34 |
| Kd of U-234 in Unsaturated Zone 2 | 25 | -0.03 | 20 | -0.05 | 26 | -0.03 | 21 | -0.07 |
| Kd of U-234 in Saturated Zone | 22 | -0.03 | 25 | -0.03 | 9 | -0.25 | 1 | -0.73 |
| Kd of U-235 in Contaminated Zone | 21 | -0.03 | 22 | -0.05 | 8 | 0.26 | 5 | 0.46 |
| Kd of U-235 in Unsaturated Zone 1 | 23 | 0.03 | 16 | 0.09 | 13 | -0.19 | 12 | -0.33 |
| Kd of U-235 in Unsaturated Zone 2 | 27 | -0.01 | 27 | -0.01 | 21 | 0.09 | 17 | 0.14 |
| Kd of U-235 in Saturated Zone | 20 | -0.03 | 26 | -0.03 | 10 | 0.23 | 8 | 0.42 |
| Kd of U-238 in Contaminated Zone | 14 | -0.07 | 17 | -0.09 | 6 | 0.28 | 4 | 0.47 |
| Kd of U-238 in Unsaturated Zone 1 | 18 | 0.05 | 9 | 0.16 | 17 | -0.12 | 15 | -0.22 |
| Kd of U-238 in Unsaturated Zone 2 | 15 | 0.07 | 13 | 0.11 | 27 | -0.01 | 27 | -0.02 |
| Kd of U-238 in Saturated Zone | 10 | -0.09 | 18 | -0.08 | 11 | 0.21 | 9 | 0.42 |
| Thickness of contaminated zone | 1 | 0.61 | 1 | 0.47 | 2 | 0.70 | 7 | 0.44 |
| Aquatic food | 3 | 0.44 | 3 | 0.32 | 4 | 0.46 | 14 | 0.24 |
| Depth of soil mixing layer | 13 | 0.07 | 23 | 0.05 | 25 | 0.04 | 26 | 0.02 |
| Mass loading for inhalation | 17 | -0.05 | 24 | -0.03 | 20 | 0.10 | 24 | 0.04 |
| Indoor time fraction | 26 | 0.02 | 7 | 0.19 | 22 | -0.06 | 10 | -0.35 |
| Outdoor time fraction | 24 | 0.03 | 6 | 0.22 | 24 | -0.04 | 13 | -0.26 |
| R-SQUARE | | 0.64 | | 0.64 | | 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 Fish Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|------|-------|------|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 18 | -0.08 | 23 | -0.04 | 5 | -0.26 | 13 | -0.12 |
| Thickness of Unsaturated zone 1 | 7 | -0.23 | 13 | -0.13 | 9 | -0.20 | 16 | -0.09 |
| Runoff coefficient | 2 | -0.51 | 4 | -0.34 | 1 | -0.75 | 4 | -0.50 |
| Wind Speed | 24 | 0.03 | 26 | 0.02 | 11 | 0.18 | 17 | 0.08 |
| Well pump intake depth | 8 | -0.20 | 15 | -0.12 | 8 | -0.21 | 15 | -0.09 |
| External gamma shielding factor | 22 | 0.04 | 25 | 0.02 | 20 | -0.07 | 23 | -0.03 |
| Inhalation rate | 9 | 0.18 | 16 | 0.11 | 19 | 0.08 | 22 | 0.04 |
| Soil ingestion | 17 | -0.08 | 22 | -0.05 | 23 | 0.02 | 26 | 0.01 |
| Thickness of Unsaturated zone 2 | 4 | -0.33 | 9 | -0.21 | 3 | -0.63 | 7 | -0.35 |
| Kd of U-234 in Contaminated Zone | 20 | -0.07 | 10 | -0.21 | 22 | 0.05 | 14 | 0.12 |
| Kd of U-234 in Unsaturated Zone 1 | 23 | 0.03 | 12 | 0.17 | 7 | 0.24 | 3 | 0.53 |
| Kd of U-234 in Unsaturated Zone 2 | 5 | 0.26 | 5 | 0.33 | 15 | -0.14 | 8 | -0.35 |
| Kd of U-234 in Saturated Zone | 21 | 0.04 | 24 | 0.04 | 24 | -0.02 | 20 | -0.04 |
| Kd of U-235 in Contaminated Zone | 15 | 0.10 | 11 | 0.18 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 26 | -0.02 | 20 | -0.06 | 6 | -0.25 | 6 | -0.38 |
| Kd of U-235 in Unsaturated Zone 2 | 10 | -0.14 | 14 | -0.12 | 10 | 0.18 | 9 | 0.31 |
| Kd of U-235 in Saturated Zone | 16 | -0.08 | 21 | -0.06 | 26 | -0.01 | 25 | -0.01 |
| Kd of U-238 in Contaminated Zone | 13 | 0.11 | 8 | 0.26 | 21 | -0.05 | 18 | -0.08 |
| Kd of U-238 in Unsaturated Zone 1 | 25 | -0.02 | 17 | -0.08 | 13 | -0.16 | 12 | -0.23 |
| Kd of U-238 in Unsaturated Zone 2 | 6 | -0.24 | 7 | -0.27 | 12 | 0.17 | 10 | 0.28 |
| Kd of U-238 in Saturated Zone | 19 | 0.07 | 18 | 0.06 | 25 | -0.01 | 24 | -0.02 |
| Thickness of contaminated zone | 1 | 0.67 | 3 | 0.52 | 2 | 0.74 | 5 | 0.48 |
| Aquatic food | 3 | 0.50 | 6 | 0.33 | 4 | 0.48 | 11 | 0.24 |
| Depth of soil mixing layer | 27 | 0.00 | 27 | 0.00 | 18 | 0.09 | 21 | 0.04 |
| Mass loading for inhalation | 14 | 0.11 | 19 | 0.06 | 14 | -0.15 | 19 | -0.07 |
| Indoor time fraction | 11 | -0.14 | 1 | -1.29 | 16 | -0.13 | 1 | -1.09 |
| Outdoor time fraction | 12 | -0.12 | 2 | -1.15 | 17 | -0.12 | 2 | -1.05 |
| R-SQUARE | 0.69 | | 0.69 | | 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 Fish Ingestion Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 21 | 0.05 | 25 | 0.03 | 23 | 0.04 | 25 | 0.02 |
| Thickness of Unsaturated zone 1 | 13 | -0.08 | 21 | -0.05 | 6 | -0.16 | 17 | -0.08 |
| Runoff coefficient | 2 | -0.43 | 4 | -0.30 | 1 | -0.72 | 3 | -0.47 |
| Wind Speed | 11 | 0.09 | 19 | 0.06 | 18 | 0.08 | 23 | 0.04 |
| Well pump intake depth | 3 | -0.41 | 6 | -0.28 | 4 | -0.51 | 6 | -0.28 |
| External gamma shielding factor | 26 | 0.02 | 26 | 0.02 | 26 | -0.03 | 27 | -0.01 |
| Inhalation rate | 6 | 0.16 | 17 | 0.11 | 7 | 0.16 | 18 | 0.08 |
| Soil ingestion | 7 | -0.13 | 18 | -0.08 | 10 | 0.11 | 22 | 0.05 |
| Thickness of Unsaturated zone 2 | 5 | -0.20 | 12 | -0.14 | 2 | -0.71 | 4 | -0.47 |
| Kd of U-234 in Contaminated Zone | 17 | -0.06 | 16 | -0.12 | 27 | 0.01 | 26 | 0.01 |
| Kd of U-234 in Unsaturated Zone 1 | 18 | 0.06 | 5 | 0.28 | 14 | 0.09 | 12 | 0.20 |
| Kd of U-234 in Unsaturated Zone 2 | 9 | 0.11 | 8 | 0.21 | 19 | 0.08 | 10 | 0.24 |
| Kd of U-234 in Saturated Zone | 15 | 0.07 | 13 | 0.14 | 13 | 0.09 | 9 | 0.24 |
| Kd of U-235 in Contaminated Zone | 25 | -0.03 | 22 | -0.05 | 21 | -0.06 | 16 | -0.10 |
| Kd of U-235 in Unsaturated Zone 1 | 16 | -0.06 | 10 | -0.20 | 24 | -0.04 | 21 | -0.05 |
| Kd of U-235 in Unsaturated Zone 2 | 12 | -0.09 | 15 | -0.12 | 20 | -0.07 | 15 | -0.13 |
| Kd of U-235 in Saturated Zone | 24 | -0.04 | 23 | -0.04 | 9 | -0.16 | 7 | -0.28 |
| Kd of U-238 in Contaminated Zone | 27 | 0.01 | 27 | 0.01 | 25 | -0.03 | 20 | -0.05 |
| Kd of U-238 in Unsaturated Zone 1 | 19 | -0.06 | 11 | -0.18 | 11 | -0.10 | 13 | -0.16 |
| Kd of U-238 in Unsaturated Zone 2 | 10 | -0.11 | 14 | -0.13 | 12 | -0.10 | 11 | -0.21 |
| Kd of U-238 in Saturated Zone | 8 | -0.13 | 9 | -0.21 | 17 | -0.09 | 14 | -0.14 |
| Thickness of contaminated zone | 1 | 0.64 | 1 | 0.53 | 3 | 0.64 | 5 | 0.37 |
| Aquatic food | 4 | 0.36 | 7 | 0.25 | 5 | 0.48 | 8 | 0.25 |
| Depth of soil mixing layer | 14 | -0.08 | 20 | -0.05 | 8 | 0.16 | 19 | 0.07 |
| Mass loading for inhalation | 20 | -0.05 | 24 | -0.04 | 22 | -0.05 | 24 | -0.02 |
| Indoor time fraction | 23 | -0.04 | 3 | -0.40 | 16 | 0.09 | 2 | 0.77 |
| Outdoor time fraction | 22 | -0.04 | 2 | -0.47 | 15 | 0.09 | 1 | 0.80 |
| R-SQUARE | | 0.63 | | 0.63 | | 0.80 | | 0.80 |

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

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

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

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 | | PCC | | SRC | | PRCC | | SRRC | | |
|--|-----|-------|-----|-------|-----|-------|-----|-------|-----|------|
| Coefficient = | | | | | | | | | | |
| Repetition = | | 2 | | 2 | | 2 | | 2 | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | |
| Depth of roots | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Runoff coefficient | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Wind Speed | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Well pump intake depth | 0 | 0.00 | 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 | 0 | 0.00 |
| Inhalation rate | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Soil ingestion | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Depth of soil mixing layer | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Mass loading for inhalation | 0 | 0.00 | 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 | 0 | 0.00 |
| Outdoor time fraction | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | | 0.00 |

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

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

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
|---------------------------------------|-----|-------|-----|-------|-----|-------|-----|-------|
| Depth of roots | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 5 | -0.19 | 14 | -0.11 | 18 | -0.13 | 21 | -0.06 |
| Thickness of Unsaturated zone 1 | 12 | -0.12 | 19 | -0.07 | 4 | -0.29 | 17 | -0.14 |
| Runoff coefficient | 2 | -0.57 | 5 | -0.39 | 1 | -0.76 | 4 | -0.54 |
| Wind Speed | 8 | 0.17 | 15 | 0.10 | 22 | 0.09 | 24 | 0.04 |
| Well pump intake depth | 3 | -0.43 | 7 | -0.27 | 8 | -0.23 | 18 | -0.11 |
| External gamma shielding factor | 9 | 0.17 | 17 | 0.10 | 7 | 0.24 | 19 | 0.11 |
| Inhalation rate | 7 | 0.18 | 16 | 0.10 | 19 | 0.12 | 22 | 0.06 |
| Soil ingestion | 22 | -0.03 | 25 | -0.02 | 13 | -0.21 | 20 | -0.10 |
| Thickness of Unsaturated zone 2 | 4 | -0.40 | 8 | -0.26 | 3 | -0.66 | 12 | -0.41 |
| Kd of U-234 in Contaminated Zone | 10 | 0.12 | 9 | 0.24 | 9 | -0.23 | 2 | -0.62 |
| Kd of U-234 in Unsaturated Zone 1 | 13 | -0.11 | 2 | -0.51 | 15 | 0.17 | 5 | 0.47 |
| Kd of U-234 in Unsaturated Zone 2 | 25 | 0.02 | 22 | 0.03 | 23 | -0.08 | 16 | -0.19 |
| Kd of U-234 in Saturated Zone | 19 | 0.06 | 20 | 0.06 | 10 | -0.23 | 1 | -0.69 |
| Kd of U-235 in Contaminated Zone | 16 | -0.09 | 12 | -0.13 | 11 | 0.23 | 10 | 0.42 |
| Kd of U-235 in Unsaturated Zone 1 | 18 | 0.06 | 10 | 0.19 | 6 | -0.24 | 9 | -0.42 |
| Kd of U-235 in Unsaturated Zone 2 | 24 | -0.02 | 24 | -0.02 | 17 | 0.14 | 15 | 0.22 |
| Kd of U-235 in Saturated Zone | 14 | -0.10 | 18 | -0.08 | 12 | 0.22 | 11 | 0.42 |
| Kd of U-238 in Contaminated Zone | 15 | -0.10 | 13 | -0.13 | 5 | 0.26 | 8 | 0.44 |
| Kd of U-238 in Unsaturated Zone 1 | 11 | 0.12 | 6 | 0.36 | 16 | -0.16 | 14 | -0.31 |
| Kd of U-238 in Unsaturated Zone 2 | 23 | 0.02 | 21 | 0.04 | 27 | 0.01 | 25 | 0.02 |
| Kd of U-238 in Saturated Zone | 6 | -0.19 | 11 | -0.16 | 14 | 0.20 | 13 | 0.40 |
| Thickness of contaminated zone | 1 | 0.70 | 1 | 0.56 | 2 | 0.71 | 6 | 0.47 |
| Aquatic food | 27 | 0.00 | 27 | 0.00 | 26 | -0.04 | 27 | -0.02 |
| Depth of soil mixing layer | 26 | 0.01 | 26 | 0.01 | 25 | -0.05 | 26 | -0.02 |
| Mass loading for inhalation | 21 | 0.06 | 23 | 0.03 | 20 | 0.09 | 23 | 0.04 |
| Indoor time fraction | 20 | 0.06 | 4 | 0.42 | 21 | -0.09 | 3 | -0.54 |
| Outdoor time fraction | 17 | 0.06 | 3 | 0.46 | 24 | -0.07 | 7 | -0.45 |
| R-SQUARE | | 0.69 | | 0.69 | | 0.79 | | 0.79 |

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

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

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

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 14 | -0.14 | 19 | -0.07 | 5 | -0.23 | 16 | -0.11 |
| Thickness of Unsaturated zone 1 | 5 | -0.27 | 13 | -0.15 | 6 | -0.20 | 17 | -0.09 |
| Runoff coefficient | 2 | -0.58 | 4 | -0.39 | 2 | -0.73 | 2 | -0.49 |
| Wind Speed | 18 | 0.09 | 21 | 0.05 | 10 | 0.17 | 19 | 0.08 |
| Well pump intake depth | 4 | -0.37 | 10 | -0.22 | 4 | -0.28 | 14 | -0.13 |
| External gamma shielding factor | 25 | 0.02 | 25 | 0.01 | 26 | -0.01 | 27 | 0.00 |
| Inhalation rate | 17 | 0.11 | 20 | 0.06 | 25 | -0.01 | 26 | -0.01 |
| Soil ingestion | 27 | 0.00 | 27 | 0.00 | 18 | 0.09 | 22 | 0.04 |
| Thickness of Unsaturated zone 2 | 3 | -0.38 | 9 | -0.23 | 3 | -0.59 | 4 | -0.33 |
| Kd of U-234 in Contaminated Zone | 15 | -0.13 | 5 | -0.37 | 15 | 0.13 | 5 | 0.32 |
| Kd of U-234 in Unsaturated Zone 1 | 22 | 0.05 | 7 | 0.29 | 9 | 0.17 | 3 | 0.39 |
| Kd of U-234 in Unsaturated Zone 2 | 6 | 0.18 | 11 | 0.21 | 16 | -0.12 | 6 | -0.31 |
| Kd of U-234 in Saturated Zone | 26 | 0.01 | 26 | 0.01 | 21 | -0.03 | 18 | -0.08 |
| Kd of U-235 in Contaminated Zone | 12 | 0.15 | 8 | 0.27 | 19 | -0.07 | 15 | -0.13 |
| Kd of U-235 in Unsaturated Zone 1 | 23 | -0.04 | 12 | -0.15 | 7 | -0.19 | 8 | -0.30 |
| Kd of U-235 in Unsaturated Zone 2 | 11 | -0.15 | 15 | -0.12 | 8 | 0.17 | 7 | 0.30 |
| Kd of U-235 in Saturated Zone | 20 | -0.07 | 23 | -0.04 | 27 | 0.01 | 25 | 0.01 |
| Kd of U-238 in Contaminated Zone | 7 | 0.17 | 6 | 0.36 | 13 | -0.13 | 12 | -0.21 |
| Kd of U-238 in Unsaturated Zone 1 | 24 | -0.03 | 16 | -0.10 | 17 | -0.11 | 13 | -0.16 |
| Kd of U-238 in Unsaturated Zone 2 | 16 | -0.12 | 14 | -0.13 | 12 | 0.15 | 10 | 0.26 |
| Kd of U-238 in Saturated Zone | 21 | 0.06 | 22 | 0.05 | 24 | 0.01 | 24 | 0.02 |
| Thickness of contaminated zone | 1 | 0.75 | 3 | 0.62 | 1 | 0.78 | 1 | 0.56 |
| Aquatic food | 19 | -0.07 | 24 | -0.04 | 20 | -0.05 | 23 | -0.03 |
| Depth of soil mixing layer | 13 | 0.15 | 18 | 0.08 | 11 | 0.16 | 20 | 0.07 |
| Mass loading for inhalation | 8 | 0.17 | 17 | 0.09 | 14 | -0.13 | 21 | -0.06 |
| Indoor time fraction | 9 | -0.16 | 1 | -1.46 | 22 | -0.03 | 9 | -0.28 |
| Outdoor time fraction | 10 | -0.16 | 2 | -1.40 | 23 | -0.03 | 11 | -0.23 |
| R-SQUARE | | 0.72 | | 0.72 | | 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 Plant (WaterDep.) Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC 3 | | SRC 3 | | PRCC 3 | | SRRC 3 | |
|---------------------------------------|----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 15 | 0.08 | 22 | 0.04 | 14 | 0.08 | 19 | 0.03 |
| Thickness of Unsaturated zone 1 | 12 | -0.09 | 20 | -0.05 | 9 | -0.13 | 16 | -0.06 |
| Runoff coefficient | 2 | -0.51 | 2 | -0.34 | 1 | -0.76 | 3 | -0.50 |
| Wind Speed | 9 | 0.13 | 17 | 0.08 | 11 | 0.09 | 18 | 0.04 |
| Well pump intake depth | 3 | -0.47 | 3 | -0.30 | 4 | -0.52 | 6 | -0.27 |
| External gamma shielding factor | 21 | 0.02 | 23 | 0.01 | 21 | -0.05 | 24 | -0.02 |
| Inhalation rate | 14 | 0.08 | 21 | 0.05 | 8 | 0.14 | 15 | 0.06 |
| Soil ingestion | 10 | -0.12 | 18 | -0.07 | 15 | 0.07 | 20 | 0.03 |
| Thickness of Unsaturated zone 2 | 4 | -0.29 | 5 | -0.19 | 2 | -0.73 | 4 | -0.47 |
| Kd of U-234 in Contaminated Zone | 18 | -0.03 | 19 | -0.06 | 12 | -0.09 | 7 | -0.19 |
| Kd of U-234 in Unsaturated Zone 1 | 19 | 0.03 | 9 | 0.14 | 27 | 0.00 | 27 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 6 | 0.15 | 4 | 0.25 | 18 | 0.06 | 8 | 0.18 |
| Kd of U-234 in Saturated Zone | 16 | 0.07 | 11 | 0.13 | 25 | 0.01 | 21 | 0.03 |
| Kd of U-235 in Contaminated Zone | 13 | -0.08 | 14 | -0.10 | 26 | 0.01 | 25 | 0.02 |
| Kd of U-235 in Unsaturated Zone 1 | 17 | -0.05 | 10 | -0.13 | 17 | 0.07 | 12 | 0.10 |
| Kd of U-235 in Unsaturated Zone 2 | 8 | -0.13 | 6 | -0.17 | 19 | -0.06 | 11 | -0.11 |
| Kd of U-235 in Saturated Zone | 25 | -0.01 | 24 | -0.01 | 16 | -0.07 | 10 | -0.12 |
| Kd of U-238 in Contaminated Zone | 27 | 0.01 | 27 | 0.01 | 20 | 0.05 | 14 | 0.07 |
| Kd of U-238 in Unsaturated Zone 1 | 20 | -0.03 | 16 | -0.08 | 23 | -0.02 | 22 | -0.02 |
| Kd of U-238 in Unsaturated Zone 2 | 7 | -0.14 | 8 | -0.16 | 13 | -0.08 | 9 | -0.16 |
| Kd of U-238 in Saturated Zone | 11 | -0.11 | 7 | -0.17 | 24 | -0.01 | 23 | -0.02 |
| Thickness of contaminated zone | 1 | 0.73 | 1 | 0.61 | 3 | 0.72 | 5 | 0.45 |
| Aquatic food | 22 | -0.02 | 25 | -0.01 | 22 | 0.03 | 26 | 0.01 |
| Depth of soil mixing layer | 23 | 0.02 | 26 | 0.01 | 5 | 0.18 | 13 | 0.08 |
| Mass loading for inhalation | 5 | -0.16 | 13 | -0.10 | 10 | -0.13 | 17 | -0.06 |
| Indoor time fraction | 24 | 0.01 | 12 | 0.12 | 7 | 0.15 | 2 | 1.23 |
| Outdoor time fraction | 26 | 0.01 | 15 | 0.10 | 6 | 0.15 | 1 | 1.27 |
| R-SQUARE | | 0.70 | | 0.70 | | 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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Meat (WaterDep.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
|---------------------------------------|-----|-------|-----|-------|-----|-------|-----|-------|
| Depth of roots | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 Milk (WaterDep.) Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| Kd of U-234 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-234 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-235 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of U-238 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of contaminated zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| Outdoor 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 U-234 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 | 6 -0.33 | 11 -0.12 | 4 -0.38 | 10 -0.12 |
| Thickness of Unsaturated zone 1 | 12 0.16 | 18 0.06 | 17 0.07 | 23 0.02 |
| Runoff coefficient | 15 -0.13 | 20 -0.04 | 16 -0.08 | 22 -0.02 |
| Wind Speed | 14 -0.13 | 19 -0.05 | 8 -0.25 | 17 -0.07 |
| Well pump intake depth | 16 0.11 | 21 0.04 | 22 -0.02 | 26 -0.01 |
| External gamma shielding factor | 27 -0.01 | 27 0.00 | 14 0.10 | 19 0.03 |
| Inhalation rate | 5 0.38 | 9 0.14 | 6 0.31 | 14 0.09 |
| Soil ingestion | 3 0.80 | 5 0.43 | 3 0.79 | 4 0.34 |
| Thickness of Unsaturated zone 2 | 20 -0.07 | 24 -0.02 | 19 0.05 | 24 0.01 |
| Kd of U-234 in Contaminated Zone | 8 0.29 | 6 0.33 | 25 -0.02 | 20 -0.02 |
| Kd of U-234 in Unsaturated Zone 1 | 23 0.03 | 14 0.08 | 15 0.10 | 7 0.15 |
| Kd of U-234 in Unsaturated Zone 2 | 19 -0.07 | 16 -0.08 | 18 -0.07 | 12 -0.09 |
| Kd of U-234 in Saturated Zone | 13 -0.16 | 13 -0.09 | 11 0.22 | 3 0.38 |
| Kd of U-235 in Contaminated Zone | 7 -0.33 | 7 -0.29 | 27 0.00 | 27 0.00 |
| Kd of U-235 in Unsaturated Zone 1 | 26 -0.01 | 25 -0.02 | 23 -0.02 | 21 -0.02 |
| Kd of U-235 in Unsaturated Zone 2 | 11 0.17 | 12 0.11 | 13 0.10 | 13 0.09 |
| Kd of U-235 in Saturated Zone | 21 0.05 | 23 0.02 | 9 -0.25 | 5 -0.28 |
| Kd of U-238 in Contaminated Zone | 10 -0.17 | 10 -0.13 | 26 0.01 | 25 0.01 |
| Kd of U-238 in Unsaturated Zone 1 | 22 -0.04 | 17 -0.07 | 12 -0.14 | 8 -0.15 |
| Kd of U-238 in Unsaturated Zone 2 | 24 0.03 | 22 0.03 | 20 0.05 | 18 0.05 |
| Kd of U-238 in Saturated Zone | 25 0.02 | 26 0.01 | 10 -0.23 | 6 -0.27 |
| Thickness of contaminated zone | 2 0.84 | 2 0.51 | 1 0.92 | 1 0.61 |
| Aquatic food | 9 0.22 | 15 0.08 | 7 0.26 | 15 0.07 |
| Depth of soil mixing layer | 1 -0.87 | 1 -0.61 | 2 -0.90 | 2 -0.58 |
| Mass loading for inhalation | 4 0.49 | 8 0.19 | 5 0.37 | 11 0.11 |
| Indoor time fraction | 18 -0.10 | 4 -0.44 | 21 0.04 | 9 0.12 |
| Outdoor time fraction | 17 -0.11 | 3 -0.45 | 24 0.02 | 16 0.07 |
| R-SQUARE | 0.90 | 0.90 | 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 U-234 Dose | | PCC | SRC | PRCC | SRRC |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Coefficient = | | 2 | 2 | 2 | 2 |
| Repetition = | | | | | |
| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
| Depth of roots | 6 -0.34 | 16 -0.12 | 5 -0.36 | 11 -0.13 | |
| Thickness of Unsaturated zone 1 | 17 0.07 | 22 0.02 | 11 0.12 | 17 0.04 | |
| Runoff coefficient | 16 -0.08 | 19 -0.03 | 17 -0.06 | 21 -0.02 | |
| Wind Speed | 12 -0.19 | 17 -0.06 | 7 -0.19 | 15 -0.06 | |
| Well pump intake depth | 24 -0.02 | 24 -0.01 | 19 -0.05 | 22 -0.02 | |
| External gamma shielding factor | 27 0.01 | 27 0.00 | 24 0.02 | 25 0.01 | |
| Inhalation rate | 5 0.42 | 12 0.15 | 6 0.35 | 12 0.12 | |
| Soil ingestion | 3 0.73 | 6 0.35 | 3 0.66 | 5 0.29 | |
| Thickness of Unsaturated zone 2 | 20 -0.05 | 23 -0.02 | 21 0.04 | 23 0.01 | |
| Kd of U-234 in Contaminated Zone | 13 0.17 | 7 0.30 | 13 -0.10 | 9 -0.17 | |
| Kd of U-234 in Unsaturated Zone 1 | 7 0.26 | 1 0.87 | 9 0.15 | 6 0.25 | |
| Kd of U-234 in Unsaturated Zone 2 | 21 0.04 | 18 0.03 | 23 0.02 | 19 0.03 | |
| Kd of U-234 in Saturated Zone | 10 -0.25 | 13 -0.15 | 26 0.00 | 26 0.00 | |
| Kd of U-235 in Contaminated Zone | 14 -0.15 | 11 -0.16 | 10 0.13 | 10 0.17 | |
| Kd of U-235 in Unsaturated Zone 1 | 8 -0.26 | 3 -0.57 | 8 -0.19 | 7 -0.21 | |
| Kd of U-235 in Unsaturated Zone 2 | 19 0.05 | 20 0.03 | 27 0.00 | 27 0.00 | |
| Kd of U-235 in Saturated Zone | 18 0.06 | 21 0.02 | 22 -0.02 | 20 -0.02 | |
| Kd of U-238 in Contaminated Zone | 15 -0.14 | 10 -0.17 | 18 0.06 | 14 0.07 | |
| Kd of U-238 in Unsaturated Zone 1 | 11 -0.23 | 4 -0.49 | 16 -0.08 | 13 -0.09 | |
| Kd of U-238 in Unsaturated Zone 2 | 26 -0.01 | 25 -0.01 | 25 -0.01 | 24 -0.01 | |
| Kd of U-238 in Saturated Zone | 9 0.26 | 15 0.14 | 20 0.05 | 16 0.06 | |
| Thickness of contaminated zone | 1 0.88 | 2 0.61 | 1 0.91 | 1 0.70 | |
| Aquatic food | 25 0.01 | 26 0.00 | 12 0.10 | 18 0.03 | |
| Depth of soil mixing layer | 2 -0.83 | 5 -0.47 | 2 -0.85 | 4 -0.53 | |
| Mass loading for inhalation | 4 0.61 | 8 0.25 | 4 0.47 | 8 0.17 | |
| Indoor time fraction | 23 -0.03 | 14 -0.14 | 15 0.09 | 3 0.56 | |
| Outdoor time fraction | 22 -0.03 | 9 -0.18 | 14 0.09 | 2 0.57 | |
| R-SQUARE | 0.90 | 0.90 | 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 U-234 Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|-----|-------|-----|-------|--|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | |
| Depth of roots | 8 | -0.18 | 11 | -0.05 | 6 | -0.27 | 13 | -0.07 | |
| Thickness of Unsaturated zone 1 | 11 | -0.13 | 17 | -0.04 | 19 | 0.05 | 24 | 0.01 | |
| Runoff coefficient | 21 | 0.03 | 23 | 0.01 | 13 | 0.11 | 18 | 0.03 | |
| Wind Speed | 24 | 0.02 | 26 | 0.01 | 16 | 0.08 | 21 | 0.02 | |
| Well pump intake depth | 20 | 0.05 | 22 | 0.01 | 20 | 0.04 | 25 | 0.01 | |
| External gamma shielding factor | 9 | 0.15 | 15 | 0.04 | 15 | 0.09 | 19 | 0.03 | |
| Inhalation rate | 5 | 0.28 | 7 | 0.09 | 5 | 0.35 | 10 | 0.10 | |
| Soil ingestion | 3 | 0.79 | 5 | 0.36 | 3 | 0.78 | 5 | 0.34 | |
| Thickness of Unsaturated zone 2 | 27 | 0.00 | 27 | 0.00 | 25 | -0.02 | 27 | -0.01 | |
| Kd of U-234 in Contaminated Zone | 14 | 0.08 | 9 | 0.07 | 11 | -0.15 | 7 | -0.21 | |
| Kd of U-234 in Unsaturated Zone 1 | 23 | 0.02 | 12 | 0.05 | 26 | -0.01 | 23 | -0.01 | |
| Kd of U-234 in Unsaturated Zone 2 | 15 | -0.06 | 14 | -0.05 | 18 | -0.05 | 11 | -0.09 | |
| Kd of U-234 in Saturated Zone | 16 | 0.06 | 13 | 0.05 | 27 | 0.00 | 26 | -0.01 | |
| Kd of U-235 in Contaminated Zone | 25 | 0.01 | 25 | 0.01 | 7 | 0.22 | 6 | 0.21 | |
| Kd of U-235 in Unsaturated Zone 1 | 26 | 0.01 | 24 | 0.01 | 23 | 0.02 | 22 | 0.02 | |
| Kd of U-235 in Unsaturated Zone 2 | 18 | -0.05 | 18 | -0.03 | 24 | 0.02 | 20 | 0.02 | |
| Kd of U-235 in Saturated Zone | 19 | 0.05 | 20 | 0.02 | 17 | 0.05 | 14 | 0.06 | |
| Kd of U-238 in Contaminated Zone | 17 | -0.05 | 19 | -0.03 | 12 | 0.11 | 9 | 0.10 | |
| Kd of U-238 in Unsaturated Zone 1 | 22 | 0.03 | 16 | 0.04 | 14 | 0.10 | 12 | 0.09 | |
| Kd of U-238 in Unsaturated Zone 2 | 10 | 0.13 | 10 | 0.07 | 22 | 0.04 | 15 | 0.05 | |
| Kd of U-238 in Saturated Zone | 12 | -0.11 | 8 | -0.08 | 21 | 0.04 | 17 | 0.04 | |
| Thickness of contaminated zone | 1 | 0.92 | 3 | 0.69 | 1 | 0.93 | 3 | 0.69 | |
| Aquatic food | 13 | -0.08 | 21 | -0.02 | 10 | -0.16 | 16 | -0.04 | |
| Depth of soil mixing layer | 2 | -0.87 | 4 | -0.52 | 2 | -0.90 | 4 | -0.55 | |
| Mass loading for inhalation | 4 | 0.50 | 6 | 0.18 | 4 | 0.49 | 8 | 0.16 | |
| Indoor time fraction | 6 | -0.24 | 1 | -1.20 | 8 | -0.22 | 1 | -1.14 | |
| Outdoor time fraction | 7 | -0.23 | 2 | -1.16 | 9 | -0.21 | 2 | -1.09 | |
| R-SQUARE | | 0.92 | | 0.92 | | 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 U-235 Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 26 | 0.02 | 27 | 0.00 | 19 | 0.04 | 23 | 0.01 |
| Thickness of Unsaturated zone 1 | 23 | -0.03 | 25 | -0.01 | 5 | 0.18 | 13 | 0.04 |
| Runoff coefficient | 10 | 0.10 | 20 | 0.02 | 10 | 0.10 | 17 | 0.02 |
| Wind Speed | 20 | -0.05 | 22 | -0.01 | 12 | -0.09 | 18 | -0.02 |
| Well pump intake depth | 7 | 0.13 | 17 | 0.02 | 26 | -0.01 | 26 | 0.00 |
| External gamma shielding factor | 1 | 0.98 | 1 | 0.90 | 1 | 0.98 | 2 | 0.91 |
| Inhalation rate | 25 | 0.02 | 26 | 0.00 | 17 | 0.05 | 20 | 0.01 |
| Soil ingestion | 5 | -0.15 | 12 | -0.03 | 7 | -0.13 | 16 | -0.03 |
| Thickness of Unsaturated zone 2 | 3 | -0.29 | 8 | -0.06 | 25 | 0.01 | 25 | 0.00 |
| Kd of U-234 in Contaminated Zone | 4 | 0.15 | 5 | 0.09 | 18 | 0.04 | 11 | 0.05 |
| Kd of U-234 in Unsaturated Zone 1 | 22 | 0.04 | 9 | 0.06 | 15 | -0.06 | 9 | -0.07 |
| Kd of U-234 in Unsaturated Zone 2 | 8 | 0.13 | 6 | 0.07 | 13 | -0.07 | 8 | -0.08 |
| Kd of U-234 in Saturated Zone | 14 | -0.09 | 13 | -0.03 | 8 | -0.12 | 5 | -0.16 |
| Kd of U-235 in Contaminated Zone | 19 | -0.05 | 16 | -0.02 | 16 | -0.06 | 12 | -0.04 |
| Kd of U-235 in Unsaturated Zone 1 | 17 | -0.06 | 10 | -0.06 | 22 | 0.01 | 21 | 0.01 |
| Kd of U-235 in Unsaturated Zone 2 | 13 | -0.09 | 11 | -0.03 | 9 | 0.12 | 6 | 0.08 |
| Kd of U-235 in Saturated Zone | 15 | 0.08 | 19 | 0.02 | 14 | 0.06 | 10 | 0.05 |
| Kd of U-238 in Contaminated Zone | 16 | -0.06 | 14 | -0.02 | 23 | -0.01 | 22 | -0.01 |
| Kd of U-238 in Unsaturated Zone 1 | 27 | -0.01 | 23 | -0.01 | 21 | 0.02 | 19 | 0.02 |
| Kd of U-238 in Unsaturated Zone 2 | 6 | -0.14 | 7 | -0.07 | 20 | 0.04 | 15 | 0.03 |
| Kd of U-238 in Saturated Zone | 12 | -0.10 | 15 | -0.02 | 11 | 0.09 | 7 | 0.08 |
| Thickness of contaminated zone | 2 | 0.88 | 2 | 0.33 | 2 | 0.86 | 4 | 0.34 |
| Aquatic food | 18 | -0.06 | 21 | -0.01 | 24 | -0.01 | 24 | 0.00 |
| Depth of soil mixing layer | 24 | -0.03 | 24 | -0.01 | 27 | 0.00 | 27 | 0.00 |
| Mass loading for inhalation | 9 | -0.12 | 18 | -0.02 | 6 | -0.17 | 14 | -0.04 |
| Indoor time fraction | 11 | -0.10 | 3 | -0.23 | 4 | 0.32 | 3 | 0.91 |
| Outdoor time fraction | 21 | -0.05 | 4 | -0.11 | 3 | 0.36 | 1 | 1.06 |
| R-SQUARE | | 0.97 | | 0.97 | | 0.96 | | 0.96 |

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

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

Coefficients for peak U-235 Dose
 Coefficient =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|------|-------|------|-------|------|-------|------|-------|
| | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 18 | 0.04 | 25 | 0.01 | 6 | -0.19 | 13 | -0.04 |
| Thickness of Unsaturated zone 1 | 15 | -0.06 | 24 | -0.01 | 7 | 0.16 | 15 | 0.03 |
| Runoff coefficient | 3 | 0.26 | 6 | 0.05 | 12 | -0.09 | 20 | -0.02 |
| Wind Speed | 14 | -0.07 | 23 | -0.01 | 8 | -0.13 | 17 | -0.03 |
| Well pump intake depth | 10 | -0.10 | 16 | -0.02 | 23 | -0.02 | 25 | 0.00 |
| External gamma shielding factor | 1 | 0.97 | 1 | 0.89 | 1 | 0.98 | 1 | 0.91 |
| Inhalation rate | 5 | -0.13 | 12 | -0.03 | 21 | 0.04 | 24 | 0.01 |
| Soil ingestion | 21 | -0.03 | 26 | -0.01 | 27 | 0.01 | 27 | 0.00 |
| Thickness of Unsaturated zone 2 | 8 | 0.11 | 14 | 0.02 | 10 | 0.11 | 18 | 0.02 |
| Kd of U-234 in Contaminated Zone | 25 | -0.02 | 17 | -0.02 | 13 | -0.07 | 9 | -0.08 |
| Kd of U-234 in Unsaturated Zone 1 | 17 | 0.05 | 4 | 0.11 | 26 | 0.01 | 23 | 0.01 |
| Kd of U-234 in Unsaturated Zone 2 | 20 | -0.03 | 21 | -0.01 | 5 | 0.22 | 4 | 0.24 |
| Kd of U-234 in Saturated Zone | 16 | 0.06 | 15 | 0.02 | 15 | -0.07 | 10 | -0.07 |
| Kd of U-235 in Contaminated Zone | 23 | -0.02 | 22 | -0.01 | 18 | 0.06 | 12 | 0.04 |
| Kd of U-235 in Unsaturated Zone 1 | 19 | -0.04 | 7 | -0.05 | 24 | -0.02 | 21 | -0.01 |
| Kd of U-235 in Unsaturated Zone 2 | 6 | 0.12 | 10 | 0.04 | 4 | -0.24 | 6 | -0.18 |
| Kd of U-235 in Saturated Zone | 7 | -0.11 | 13 | -0.03 | 16 | 0.07 | 11 | 0.05 |
| Kd of U-238 in Contaminated Zone | 24 | -0.02 | 19 | -0.02 | 17 | 0.06 | 14 | 0.04 |
| Kd of U-238 in Unsaturated Zone 1 | 9 | -0.11 | 3 | -0.15 | 19 | 0.04 | 16 | 0.03 |
| Kd of U-238 in Unsaturated Zone 2 | 27 | 0.01 | 27 | 0.01 | 3 | -0.25 | 5 | -0.19 |
| Kd of U-238 in Saturated Zone | 11 | -0.09 | 11 | -0.03 | 9 | 0.12 | 8 | 0.09 |
| Thickness of contaminated zone | 2 | 0.86 | 2 | 0.35 | 2 | 0.87 | 2 | 0.33 |
| Aquatic food | 13 | 0.07 | 20 | 0.01 | 20 | -0.04 | 22 | -0.01 |
| Depth of soil mixing layer | 4 | -0.18 | 9 | -0.04 | 25 | -0.01 | 26 | 0.00 |
| Mass loading for inhalation | 12 | 0.08 | 18 | 0.02 | 11 | 0.10 | 19 | 0.02 |
| Indoor time fraction | 26 | -0.01 | 8 | -0.05 | 22 | 0.04 | 7 | 0.13 |
| Outdoor time fraction | 22 | 0.02 | 5 | 0.07 | 14 | 0.07 | 3 | 0.28 |
| R-SQUARE | 0.96 | | 0.96 | | 0.97 | | 0.97 | |

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

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

Coefficients for peak U-235 Dose

| Coefficient = Repetition = | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 3 | | 3 | | 3 | | 3 | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | 22 | -0.05 | 22 | -0.01 | 22 | 0.04 | 25 | 0.01 |
| Thickness of Unsaturated zone 1 | 23 | -0.03 | 23 | 0.00 | 4 | 0.16 | 15 | 0.04 |
| Runoff coefficient | 13 | 0.12 | 17 | 0.02 | 25 | -0.02 | 27 | 0.00 |
| Wind Speed | 25 | 0.01 | 25 | 0.00 | 12 | 0.08 | 22 | 0.02 |
| Well pump intake depth | 14 | 0.11 | 19 | 0.02 | 7 | 0.13 | 18 | 0.03 |
| External gamma shielding factor | 1 | 0.98 | 2 | 0.92 | 1 | 0.97 | 1 | 0.91 |
| Inhalation rate | 7 | 0.17 | 15 | 0.03 | 10 | 0.10 | 21 | 0.02 |
| Soil ingestion | 17 | -0.10 | 20 | -0.02 | 6 | -0.15 | 17 | -0.03 |
| Thickness of Unsaturated zone 2 | 15 | 0.11 | 18 | 0.02 | 5 | 0.16 | 16 | 0.03 |
| Kd of U-234 in Contaminated Zone | 27 | 0.00 | 27 | 0.00 | 19 | -0.06 | 7 | -0.07 |
| Kd of U-234 in Unsaturated Zone 1 | 9 | 0.16 | 5 | 0.22 | 11 | 0.09 | 5 | 0.09 |
| Kd of U-234 in Unsaturated Zone 2 | 11 | 0.14 | 8 | 0.07 | 20 | -0.04 | 8 | -0.06 |
| Kd of U-234 in Saturated Zone | 20 | 0.06 | 14 | 0.03 | 21 | -0.04 | 10 | -0.05 |
| Kd of U-235 in Contaminated Zone | 18 | 0.09 | 13 | 0.03 | 14 | 0.07 | 9 | 0.06 |
| Kd of U-235 in Unsaturated Zone 1 | 5 | -0.18 | 6 | -0.16 | 17 | -0.06 | 14 | -0.05 |
| Kd of U-235 in Unsaturated Zone 2 | 12 | -0.12 | 11 | -0.05 | 24 | 0.03 | 19 | 0.03 |
| Kd of U-235 in Saturated Zone | 8 | -0.17 | 10 | -0.05 | 18 | 0.06 | 12 | 0.05 |
| Kd of U-238 in Contaminated Zone | 16 | -0.11 | 12 | -0.04 | 26 | -0.02 | 24 | -0.01 |
| Kd of U-238 in Unsaturated Zone 1 | 10 | -0.16 | 7 | -0.14 | 9 | -0.11 | 6 | -0.08 |
| Kd of U-238 in Unsaturated Zone 2 | 6 | -0.18 | 9 | -0.06 | 27 | 0.01 | 26 | 0.01 |
| Kd of U-238 in Saturated Zone | 19 | -0.07 | 16 | -0.03 | 16 | 0.07 | 11 | 0.05 |
| Thickness of contaminated zone | 2 | 0.91 | 4 | 0.39 | 2 | 0.84 | 2 | 0.34 |
| Aquatic food | 21 | 0.06 | 21 | 0.01 | 8 | 0.11 | 20 | 0.03 |
| Depth of soil mixing layer | 26 | 0.01 | 26 | 0.00 | 3 | -0.22 | 13 | -0.05 |
| Mass loading for inhalation | 24 | -0.02 | 24 | 0.00 | 15 | -0.07 | 23 | -0.02 |
| Indoor time fraction | 3 | -0.29 | 1 | -0.93 | 13 | -0.08 | 3 | -0.32 |
| Outdoor time fraction | 4 | -0.25 | 3 | -0.78 | 23 | -0.04 | 4 | -0.16 |
| R-SQUARE | | 0.97 | | 0.97 | | 0.95 | | 0.95 |

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

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

| Coefficients for peak U-238 Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig |
| Depth of roots | 13 | -0.12 | 18 | -0.04 | 6 | -0.16 | 19 | -0.05 | |
| Thickness of Unsaturated zone 1 | 8 | 0.23 | 11 | 0.09 | 15 | 0.10 | 22 | 0.03 | |
| Runoff coefficient | 22 | 0.02 | 26 | 0.01 | 16 | -0.09 | 24 | -0.03 | |
| Wind Speed | 6 | -0.38 | 10 | -0.15 | 5 | -0.36 | 12 | -0.12 | |
| Well pump intake depth | 19 | -0.05 | 21 | -0.02 | 24 | -0.03 | 25 | -0.01 | |
| External gamma shielding factor | 20 | -0.05 | 22 | -0.02 | 27 | 0.00 | 27 | 0.00 | |
| Inhalation rate | 4 | 0.65 | 8 | 0.30 | 4 | 0.60 | 6 | 0.24 | |
| Soil ingestion | 12 | 0.15 | 15 | 0.05 | 26 | 0.02 | 26 | 0.01 | |
| Thickness of Unsaturated zone 2 | 14 | -0.12 | 17 | -0.04 | 13 | 0.10 | 21 | 0.03 | |
| Kd of U-234 in Contaminated Zone | 7 | 0.33 | 6 | 0.43 | 20 | 0.07 | 13 | 0.12 | |
| Kd of U-234 in Unsaturated Zone 1 | 27 | 0.00 | 27 | 0.00 | 17 | 0.08 | 10 | 0.14 | |
| Kd of U-234 in Unsaturated Zone 2 | 24 | -0.02 | 20 | -0.02 | 10 | -0.13 | 7 | -0.21 | |
| Kd of U-234 in Saturated Zone | 16 | -0.10 | 13 | -0.06 | 22 | 0.05 | 14 | 0.10 | |
| Kd of U-235 in Contaminated Zone | 5 | -0.39 | 7 | -0.38 | 23 | -0.05 | 18 | -0.06 | |
| Kd of U-235 in Unsaturated Zone 1 | 25 | -0.02 | 19 | -0.03 | 25 | -0.03 | 23 | -0.03 | |
| Kd of U-235 in Unsaturated Zone 2 | 18 | 0.09 | 12 | 0.06 | 7 | 0.15 | 8 | 0.16 | |
| Kd of U-235 in Saturated Zone | 15 | 0.12 | 14 | 0.06 | 19 | -0.07 | 15 | -0.09 | |
| Kd of U-238 in Contaminated Zone | 9 | -0.21 | 9 | -0.17 | 18 | -0.08 | 16 | -0.09 | |
| Kd of U-238 in Unsaturated Zone 1 | 26 | 0.00 | 25 | 0.01 | 14 | -0.10 | 11 | -0.13 | |
| Kd of U-238 in Unsaturated Zone 2 | 23 | 0.02 | 23 | 0.02 | 9 | 0.13 | 9 | 0.15 | |
| Kd of U-238 in Saturated Zone | 17 | -0.09 | 16 | -0.05 | 21 | -0.05 | 17 | -0.07 | |
| Thickness of contaminated zone | 3 | 0.77 | 5 | 0.44 | 2 | 0.85 | 2 | 0.50 | |
| Aquatic food | 21 | 0.03 | 24 | 0.01 | 8 | 0.14 | 20 | 0.04 | |
| Depth of soil mixing layer | 1 | -0.84 | 3 | -0.60 | 1 | -0.89 | 1 | -0.61 | |
| Mass loading for inhalation | 2 | 0.80 | 4 | 0.49 | 3 | 0.77 | 5 | 0.38 | |
| Indoor time fraction | 10 | -0.19 | 1 | -0.89 | 12 | -0.12 | 4 | -0.48 | |
| Outdoor time fraction | 11 | -0.18 | 2 | -0.83 | 11 | -0.12 | 3 | -0.49 | |
| R-SQUARE | | 0.88 | | 0.88 | | 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 U-238 Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Coefficient = | | 2 | | 2 | | 2 | | 2 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig |
| Depth of roots | 27 | 0.00 | 27 | 0.00 | 22 | -0.01 | 23 | 0.00 | |
| Thickness of Unsaturated zone 1 | 11 | 0.11 | 13 | 0.04 | 6 | 0.28 | 13 | 0.08 | |
| Runoff coefficient | 15 | -0.04 | 22 | -0.01 | 21 | 0.05 | 21 | 0.01 | |
| Wind Speed | 5 | -0.33 | 8 | -0.13 | 5 | -0.42 | 10 | -0.13 | |
| Well pump intake depth | 13 | 0.06 | 18 | 0.02 | 25 | 0.00 | 27 | 0.00 | |
| External gamma shielding factor | 26 | 0.00 | 26 | 0.00 | 14 | -0.10 | 20 | -0.03 | |
| Inhalation rate | 4 | 0.62 | 7 | 0.29 | 4 | 0.67 | 6 | 0.25 | |
| Soil ingestion | 25 | -0.01 | 25 | 0.00 | 11 | -0.15 | 19 | -0.04 | |
| Thickness of Unsaturated zone 2 | 24 | -0.01 | 24 | 0.00 | 7 | 0.16 | 18 | 0.05 | |
| Kd of U-234 in Contaminated Zone | 18 | -0.02 | 14 | -0.04 | 16 | 0.09 | 9 | 0.13 | |
| Kd of U-234 in Unsaturated Zone 1 | 6 | 0.21 | 1 | 0.78 | 8 | 0.16 | 7 | 0.23 | |
| Kd of U-234 in Unsaturated Zone 2 | 20 | 0.02 | 21 | 0.02 | 27 | 0.00 | 25 | 0.00 | |
| Kd of U-234 in Saturated Zone | 10 | -0.11 | 11 | -0.07 | 20 | -0.05 | 15 | -0.07 | |
| Kd of U-235 in Contaminated Zone | 22 | 0.01 | 20 | 0.02 | 15 | -0.09 | 12 | -0.10 | |
| Kd of U-235 in Unsaturated Zone 1 | 7 | -0.20 | 4 | -0.49 | 9 | -0.15 | 8 | -0.14 | |
| Kd of U-235 in Unsaturated Zone 2 | 12 | -0.06 | 16 | -0.03 | 26 | 0.00 | 24 | 0.00 | |
| Kd of U-235 in Saturated Zone | 21 | -0.02 | 23 | -0.01 | 17 | 0.08 | 14 | 0.08 | |
| Kd of U-238 in Contaminated Zone | 17 | 0.03 | 15 | 0.04 | 13 | -0.12 | 11 | -0.12 | |
| Kd of U-238 in Unsaturated Zone 1 | 8 | -0.17 | 6 | -0.42 | 19 | -0.05 | 17 | -0.05 | |
| Kd of U-238 in Unsaturated Zone 2 | 16 | 0.03 | 17 | 0.02 | 23 | 0.00 | 22 | 0.00 | |
| Kd of U-238 in Saturated Zone | 9 | 0.14 | 10 | 0.08 | 18 | 0.06 | 16 | 0.06 | |
| Thickness of contaminated zone | 2 | 0.81 | 3 | 0.51 | 1 | 0.91 | 3 | 0.59 | |
| Aquatic food | 14 | 0.05 | 19 | 0.02 | 24 | 0.00 | 26 | 0.00 | |
| Depth of soil mixing layer | 3 | -0.79 | 5 | -0.46 | 2 | -0.89 | 4 | -0.54 | |
| Mass loading for inhalation | 1 | 0.82 | 2 | 0.52 | 3 | 0.87 | 5 | 0.48 | |
| Indoor time fraction | 23 | 0.01 | 12 | 0.07 | 12 | 0.14 | 2 | 0.77 | |
| Outdoor time fraction | 19 | 0.02 | 9 | 0.11 | 10 | 0.15 | 1 | 0.82 | |
| R-SQUARE | | 0.88 | | 0.88 | | 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 U-238 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 | 8 0.13 | 13 0.04 | 9 0.14 | 16 0.04 |
| Thickness of Unsaturated zone 1 | 10 -0.12 | 14 -0.04 | 15 -0.08 | 21 -0.02 |
| Runoff coefficient | 19 0.05 | 25 0.02 | 5 0.26 | 14 0.08 |
| Wind Speed | 15 -0.07 | 22 -0.03 | 12 -0.11 | 19 -0.03 |
| Well pump intake depth | 21 0.04 | 26 0.01 | 20 -0.05 | 22 -0.01 |
| External gamma shielding factor | 11 0.11 | 16 0.04 | 24 0.01 | 25 0.00 |
| Inhalation rate | 4 0.62 | 6 0.28 | 4 0.68 | 6 0.28 |
| Soil ingestion | 13 -0.08 | 20 -0.03 | 25 0.01 | 27 0.00 |
| Thickness of Unsaturated zone 2 | 18 -0.05 | 24 -0.02 | 10 -0.13 | 17 -0.04 |
| Kd of U-234 in Contaminated Zone | 24 0.03 | 18 0.03 | 19 -0.06 | 12 -0.09 |
| Kd of U-234 in Unsaturated Zone 1 | 26 -0.02 | 12 -0.05 | 23 -0.02 | 20 -0.02 |
| Kd of U-234 in Unsaturated Zone 2 | 16 -0.06 | 11 -0.06 | 18 -0.08 | 9 -0.15 |
| Kd of U-234 in Saturated Zone | 23 0.03 | 17 0.04 | 11 0.12 | 7 0.20 |
| Kd of U-235 in Contaminated Zone | 27 0.01 | 27 0.01 | 8 0.16 | 8 0.17 |
| Kd of U-235 in Unsaturated Zone 1 | 22 0.04 | 10 0.06 | 26 0.01 | 24 0.01 |
| Kd of U-235 in Unsaturated Zone 2 | 17 -0.05 | 15 -0.04 | 22 0.03 | 18 0.04 |
| Kd of U-235 in Saturated Zone | 9 0.12 | 9 0.07 | 13 -0.10 | 11 -0.11 |
| Kd of U-238 in Contaminated Zone | 20 -0.04 | 21 -0.03 | 27 0.00 | 26 0.00 |
| Kd of U-238 in Unsaturated Zone 1 | 14 0.08 | 7 0.13 | 17 0.08 | 15 0.08 |
| Kd of U-238 in Unsaturated Zone 2 | 7 0.14 | 8 0.09 | 14 0.09 | 10 0.12 |
| Kd of U-238 in Saturated Zone | 25 -0.03 | 23 -0.02 | 16 -0.08 | 13 -0.08 |
| Thickness of contaminated zone | 1 0.83 | 4 0.52 | 1 0.89 | 3 0.57 |
| Aquatic food | 12 -0.09 | 19 -0.03 | 21 0.03 | 23 0.01 |
| Depth of soil mixing layer | 3 -0.78 | 5 -0.43 | 2 -0.86 | 4 -0.50 |
| Mass loading for inhalation | 2 0.82 | 3 0.54 | 3 0.84 | 5 0.47 |
| Indoor time fraction | 5 -0.30 | 1 -1.81 | 6 -0.25 | 1 -1.47 |
| Outdoor time fraction | 6 -0.29 | 2 -1.75 | 7 -0.24 | 2 -1.37 |
| 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
 File: Default.LIB

| 0 Menu | Parameter | Current Value | Default | Parameter Name |
|-----------|---|------------------|-----------|-------------------|
| B-1 | Dose conversion factors for inhalation, mrem/pCi: | | | |
| B-1 | Co-60 | 2.190E-04 | 2.190E-04 | DCF2(1) |
| D-1 | Dose conversion factors for ingestion, mrem/pCi: | | | |
| D-1 | Co-60 | 2.690E-05 | 2.690E-05 | DCF3(1) |
| D-34 | Food transfer factors: | | | |
| D-34 | Co-60 , plant/soil concentration ratio, dimensionless | 8.000E-02 | 8.000E-02 | RTF(1,1) |
| D-34 | Co-60 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d) | 2.000E-02 | 2.000E-02 | RTF(1,2) |
| D-34 | Co-60 , milk/livestock-intake ratio, (pCi/L)/(pCi/d) | 2.000E-03 | 2.000E-03 | RTF(1,3) |
| D-5 | Bioaccumulation factors, fresh water, L/kg: | | | |
| D-5 | Co-60 , fish | 3.000E+02 | 3.000E+02 | BIOFAC(1,1) |
| D-5 | Co-60 , crustacea and mollusks | 2.000E+02 | 2.000E+02 | BIOFAC(1,2) |

| Site-Specific Parameter Summary | | | | | |
|---------------------------------|---|------------|-----------|--|----------------|
| 0 | 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 | 2.500E+01 | --- | BRDL |
| R011 | Time since placement of material (yr) | 0.000E+00 | 0.000E+00 | --- | TI |
| R011 | Times for calculations (yr) | 1.000E+00 | 1.000E+00 | --- | T(2) |
| R011 | Times for calculations (yr) | 3.000E+00 | 3.000E+00 | --- | T(3) |
| R011 | Times for calculations (yr) | 1.000E+01 | 1.000E+01 | --- | T(4) |
| R011 | Times for calculations (yr) | 3.000E+01 | 3.000E+01 | --- | T(5) |
| R011 | Times for calculations (yr) | 1.000E+02 | 1.000E+02 | --- | T(6) |
| R011 | Times for calculations (yr) | 3.000E+02 | 3.000E+02 | --- | T(7) |
| R011 | Times for calculations (yr) | 1.000E+03 | 1.000E+03 | --- | T(8) |
| R011 | Times for calculations (yr) | not used | 0.000E+00 | --- | T(9) |
| R011 | Times for calculations (yr) | not used | 0.000E+00 | --- | T(10) |
| R012 | Initial principal radionuclide (pCi/g): Co-60 | 5.940E+00 | 0.000E+00 | --- | S1(1) |
| R012 | Concentration in groundwater (pCi/L): Co-60 | not used | 0.000E+00 | --- | W1(1) |
| 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 |
| R015 | Number of unsaturated zone strata | 2 | 1 | --- | NS |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|--|------------|-----------|--|----------------|
| | 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 Co-60 | | | | |
| | R016 | Contaminated zone (cm**3/g) | 1.000E+03 | 1.000E+03 | --- | DCNUCC (1) |
| | R016 | Unsaturated zone 1 (cm**3/g) | 1.000E+03 | 1.000E+03 | --- | DCNUCU (1,1) |
| | R016 | Unsaturated zone 2 (cm**3/g) | 1.000E+03 | 1.000E+03 | --- | DCNUCU (1,2) |
| | R016 | Saturated zone (cm**3/g) | 1.000E+03 | 1.000E+03 | --- | DCNUCS (1) |
| | R016 | Leach rate (/yr) | 0.000E+00 | 0.000E+00 | 2.435E-03 | ALEACH (1) |
| | R016 | Solubility constant | 0.000E+00 | 0.000E+00 | not used | SOLUBK (1) |
| | 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 | 8.048E-01 | 5.000E-01 | --- | FIND |
| | R017 | Fraction of time spent outdoors (on site) | 3.420E-02 | 2.500E-01 | --- | FOTD |
| | R017 | Shape factor flag, external gamma | 1.000E+00 | 1.000E+00 | >0 shows circular AREA. | FS |
| | R017 | Radii of shape factor array (used if FS = -1): | | | | |
| | R017 | Outer annular radius (m), ring 1: | not used | 5.000E+01 | --- | RAD_SHAPE (1) |
| | R017 | Outer annular radius (m), ring 2: | not used | 7.071E+01 | --- | RAD_SHAPE (2) |
| | R017 | Outer annular radius (m), ring 3: | not used | 0.000E+00 | --- | RAD_SHAPE (3) |
| | R017 | Outer annular radius (m), ring 4: | not used | 0.000E+00 | --- | RAD_SHAPE (4) |
| | R017 | Outer annular radius (m), ring 5: | not used | 0.000E+00 | --- | RAD_SHAPE (5) |
| | R017 | Outer annular radius (m), ring 6: | not used | 0.000E+00 | --- | RAD_SHAPE (6) |
| | R017 | Outer annular radius (m), ring 7: | not used | 0.000E+00 | --- | RAD_SHAPE (7) |
| | R017 | Outer annular radius (m), ring 8: | not used | 0.000E+00 | --- | RAD_SHAPE (8) |
| | R017 | Outer annular radius (m), ring 9: | not used | 0.000E+00 | --- | RAD_SHAPE (9) |
| | R017 | Outer annular radius (m), ring 10: | not used | 0.000E+00 | --- | RAD_SHAPE (10) |
| | R017 | Outer annular radius (m), ring 11: | not used | 0.000E+00 | --- | RAD_SHAPE (11) |
| | R017 | Outer annular radius (m), ring 12: | not used | 0.000E+00 | --- | RAD_SHAPE (12) |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|--|------------|-----------|--|----------------|
| | R017 | Fractions of annular areas within AREA: | | | | |
| | R017 | Ring 1 | not used | 1.000E+00 | --- | FRACA(1) |
| | R017 | Ring 2 | not used | 2.732E-01 | --- | FRACA(2) |
| | R017 | Ring 3 | not used | 0.000E+00 | --- | FRACA(3) |
| | R017 | Ring 4 | not used | 0.000E+00 | --- | FRACA(4) |
| | R017 | Ring 5 | not used | 0.000E+00 | --- | FRACA(5) |
| | R017 | Ring 6 | not used | 0.000E+00 | --- | FRACA(6) |
| | R017 | Ring 7 | not used | 0.000E+00 | --- | FRACA(7) |
| | R017 | Ring 8 | not used | 0.000E+00 | --- | FRACA(8) |
| | R017 | Ring 9 | not used | 0.000E+00 | --- | FRACA(9) |
| | R017 | Ring 10 | not used | 0.000E+00 | --- | FRACA(10) |
| | R017 | Ring 11 | not used | 0.000E+00 | --- | FRACA(11) |
| | R017 | Ring 12 | not used | 0.000E+00 | --- | FRACA(12) |
| | R018 | Fruits, vegetables and grain consumption (kg/yr) | 1.600E+02 | 1.600E+02 | --- | DIET(1) |
| | R018 | Leafy vegetable consumption (kg/yr) | 1.400E+01 | 1.400E+01 | --- | DIET(2) |
| | R018 | Milk consumption (L/yr) | not used | 9.200E+01 | --- | DIET(3) |
| | R018 | Meat and poultry consumption (kg/yr) | not used | 6.300E+01 | --- | DIET(4) |
| | R018 | Fish consumption (kg/yr) | 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 | not used | 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 | 4.300E-02 | -1 | --- | FPLANT |
| | R018 | Contamination fraction of meat | not used | -1 | --- | FMEAT |
| | R018 | Contamination fraction of milk | not used | -1 | --- | FMILK |
| | R019 | Livestock fodder intake for meat (kg/day) | not used | 6.800E+01 | --- | LFI5 |
| | R019 | Livestock fodder intake for milk (kg/day) | not used | 5.500E+01 | --- | LFI6 |
| | R019 | Livestock water intake for meat (L/day) | not used | 5.000E+01 | --- | LWI5 |
| | R019 | Livestock water intake for milk (L/day) | not used | 1.600E+02 | --- | LWI6 |
| | R019 | Livestock soil intake (kg/day) | not used | 5.000E-01 | --- | LSI |
| | 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 | not used | 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) | not used | 1.100E+00 | --- | YV(3) |
| | R19B | Growing Season for Non-Leafy (years) | 1.700E-01 | 1.700E-01 | --- | TE(1) |
| | R19B | Growing Season for Leafy (years) | 2.500E-01 | 2.500E-01 | --- | TE(2) |
| | R19B | Growing Season for Fodder (years) | not used | 8.000E-02 | --- | TE(3) |

Site-Specific Parameter Summary (continued)

| 0 | Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|---|------|--|------------|------------|--|----------------|
| | R19B | Translocation Factor for Non-Leafy | 1.000E-01 | 1.000E-01 | --- | TIV(1) |
| | R19B | Translocation Factor for Leafy | 1.000E+00 | 1.000E+00 | --- | TIV(2) |
| | R19B | Translocation Factor for Fodder | not used | 1.000E+00 | --- | TIV(3) |
| | R19B | Dry Foliar Interception Fraction for Non-Leafy | 2.500E-01 | 2.500E-01 | --- | RDRY(1) |
| | R19B | Dry Foliar Interception Fraction for Leafy | 2.500E-01 | 2.500E-01 | --- | RDRY(2) |
| | R19B | Dry Foliar Interception Fraction for Fodder | not used | 2.500E-01 | --- | RDRY(3) |
| | R19B | Wet Foliar Interception Fraction for Non-Leafy | 2.500E-01 | 2.500E-01 | --- | RWET(1) |
| | R19B | Wet Foliar Interception Fraction for Leafy | 2.500E-01 | 2.500E-01 | --- | RWET(2) |
| | R19B | Wet Foliar Interception Fraction for Fodder | not used | 2.500E-01 | --- | RWET(3) |
| | R19B | Weathering Removal Constant for Vegetation | 2.000E+01 | 2.000E+01 | --- | WLAM |
| | C14 | C-12 concentration in water (g/cm**3) | not used | 2.000E-05 | --- | C12WTR |
| | C14 | C-12 concentration in contaminated soil (g/g) | not used | 3.000E-02 | --- | C12CZ |
| | C14 | Fraction of vegetation carbon from soil | not used | 2.000E-02 | --- | CSOIL |
| | C14 | Fraction of vegetation carbon from air | not used | 9.800E-01 | --- | CAIR |
| | C14 | C-14 evasion layer thickness in soil (m) | not used | 3.000E-01 | --- | DMC |
| | C14 | C-14 evasion flux rate from soil (1/sec) | not used | 7.000E-07 | --- | EVSN |
| | C14 | C-12 evasion flux rate from soil (1/sec) | not used | 1.000E-10 | --- | REVSN |
| | C14 | Fraction of grain in beef cattle feed | not used | 8.000E-01 | --- | AVFG4 |
| | C14 | Fraction of grain in milk cow feed | not used | 2.000E-01 | --- | AVFG5 |
| | C14 | DCF correction factor for gaseous forms of C14 | not used | 1.234E+02 | --- | CO2F |
| | STOR | Storage times of contaminated foodstuffs (days): | | | | |
| | STOR | Fruits, non-leafy vegetables, and grain | 1.400E+01 | 1.400E+01 | --- | STOR_T(1) |
| | STOR | Leafy vegetables | 1.000E+00 | 1.000E+00 | --- | STOR_T(2) |
| | STOR | Milk | 1.000E+00 | 1.000E+00 | --- | STOR_T(3) |
| | STOR | Meat and poultry | 2.000E+01 | 2.000E+01 | --- | STOR_T(4) |
| | STOR | Fish | 7.000E+00 | 7.000E+00 | --- | STOR_T(5) |
| | STOR | Crustacea and mollusks | 7.000E+00 | 7.000E+00 | --- | STOR_T(6) |
| | STOR | Well water | 1.000E+00 | 1.000E+00 | --- | STOR_T(7) |
| | STOR | Surface water | 1.000E+00 | 1.000E+00 | --- | STOR_T(8) |
| | STOR | Livestock fodder | 4.500E+01 | 4.500E+01 | --- | STOR_T(9) |
| | R021 | Thickness of building foundation (m) | not used | 1.500E-01 | --- | FLOOR1 |
| | R021 | Bulk density of building foundation (g/cm**3) | not used | 2.400E+00 | --- | DENSFL |
| | R021 | Total porosity of the cover material | not used | 4.000E-01 | --- | TPCV |
| | R021 | Total porosity of the building foundation | not used | 1.000E-01 | --- | TPFL |
| | R021 | Volumetric water content of the cover material | not used | 5.000E-02 | --- | PH2OCV |
| | R021 | Volumetric water content of the foundation | not used | 3.000E-02 | --- | PH2OFL |
| | R021 | Diffusion coefficient for radon gas (m/sec): | | | | |
| | R021 | in cover material | not used | 2.000E-06 | --- | DIFCV |
| | R021 | in foundation material | not used | 3.000E-07 | --- | DIFFL |
| | R021 | in contaminated zone soil | not used | 2.000E-06 | --- | DIFCZ |
| | R021 | Radon vertical dimension of mixing (m) | not used | 2.000E+00 | --- | HMIX |
| | R021 | Average building air exchange rate (1/hr) | not used | 5.000E-01 | --- | REXG |
| | R021 | Height of the building (room) (m) | not used | 2.500E+00 | --- | HRM |
| | R021 | Building interior area factor | not used | 0.000E+00 | --- | FAI |
| | R021 | Building depth below ground surface (m) | not used | -1.000E+00 | --- | DMFL |
| | R021 | Emanating power of Rn-222 gas | not used | 2.500E-01 | --- | EMANA(1) |
| | R021 | Emanating power of Rn-220 gas | not used | 1.500E-01 | --- | EMANA(2) |

Site-Specific Parameter Summary (continued)

| 0 Menu | Parameter | User Input | Default | Used by RESRAD (If different from user input) | Parameter Name |
|-----------|---|---------------|---------|--|-------------------|
| 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 | suppressed |
| 5 -- milk ingestion | suppressed |
| 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 | Co-60 | 5.940E+00 | | | | | | |
| Thickness: 0.15 meters | | | | | | | | |
| Cover Depth: 0.00 meters | | | | | | | | |
| 0 | | | | | | | | |
| Total Dose TDOSE(t), mrem/yr | | | | | | | | |
| Basic Radiation Dose Limit = 19 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): | 4.525E+01 | 3.949E+01 | 3.007E+01 | 1.157E+01 | 7.485E-01 | 3.968E-05 | 0.000E+00 | 0.000E+00 |
| M(t): | 2.381E+00 | 2.078E+00 | 1.583E+00 | 6.092E-01 | 3.940E-02 | 2.088E-06 | 0.000E+00 | 0.000E+00 |
| 0Maximum TDOSE(t): | 4.525E+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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 4.523E+01 | 0.9996 | 8.570E-05 | 0.0000 | 0.000E+00 | 0.0000 | 1.488E-02 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.565E-03 | 0.0001 |
| Total | 4.523E+01 | 0.9996 | 8.570E-05 | 0.0000 | 0.000E+00 | 0.0000 | 1.488E-02 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.565E-03 | 0.0001 |

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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 4.525E+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 | 4.525E+01 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

0
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 3.947E+01 | 0.9996 | 7.445E-05 | 0.0000 | 0.000E+00 | 0.0000 | 1.293E-02 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.966E-03 | 0.0001 |
| Total | 3.947E+01 | 0.9996 | 7.445E-05 | 0.0000 | 0.000E+00 | 0.0000 | 1.293E-02 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.966E-03 | 0.0001 |

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

0
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.949E+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 | 3.949E+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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 3.006E+01 | 0.9996 | 5.619E-05 | 0.0000 | 0.000E+00 | 0.0000 | 9.755E-03 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.993E-03 | 0.0001 |
| Total | 3.006E+01 | 0.9996 | 5.619E-05 | 0.0000 | 0.000E+00 | 0.0000 | 9.755E-03 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.993E-03 | 0.0001 |

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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.007E+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 | 3.007E+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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 1.157E+01 | 0.9996 | 2.095E-05 | 0.0000 | 0.000E+00 | 0.0000 | 3.637E-03 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.116E-03 | 0.0001 |
| Total | 1.157E+01 | 0.9996 | 2.095E-05 | 0.0000 | 0.000E+00 | 0.0000 | 3.637E-03 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.116E-03 | 0.0001 |

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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.157E+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 | 1.157E+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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 7.482E-01 | 0.9996 | 1.232E-06 | 0.0000 | 0.000E+00 | 0.0000 | 2.139E-04 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.563E-05 | 0.0001 |
| Total | 7.482E-01 | 0.9996 | 1.232E-06 | 0.0000 | 0.000E+00 | 0.0000 | 2.139E-04 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.563E-05 | 0.0001 |

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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.485E-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 | 7.485E-01 | 1.0000 |

0*Sum of all water independent and dependent pathways.

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

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 3.967E-05 | 0.9998 | 4.327E-11 | 0.0000 | 0.000E+00 | 0.0000 | 7.515E-09 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.305E-09 | 0.0001 |
| Total | 3.967E-05 | 0.9998 | 4.327E-11 | 0.0000 | 0.000E+00 | 0.0000 | 7.515E-09 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.305E-09 | 0.0001 |

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

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 3.968E-05 | 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 | 3.968E-05 | 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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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 = 3.000E+02 years

0
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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
 0 Water Independent Pathways (Inhalation excludes radon)

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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
 0 Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All Pathways* | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|---------------|--------|
| | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. | mrem/yr | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 7.617E+00 | 6.648E+00 | 5.062E+00 | 1.949E+00 | 1.260E-01 | 6.680E-06 | 0.000E+00 | 0.000E+00 |

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

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
 Basic Radiation Dose Limit = 19 mrem/yr

| ONuclide (i) | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|--------------|----|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Co-60 | | 2.494E+00 | 2.858E+00 | 3.753E+00 | 9.751E+00 | 1.508E+02 | 2.844E+06 | *1.131E+15 | *1.131E+15 |

*At specific activity limit

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

| ONuclide (i) | Initial pCi/g | tmin (years) | DSR(i,tmin) | G(i,tmin) (pCi/g) | DSR(i,tmax) | G(i,tmax) (pCi/g) |
|--------------|---------------|--------------|-------------|-------------------|-------------|-------------------|
| Co-60 | 5.940E+00 | 0.000E+00 | 7.617E+00 | 2.494E+00 | 7.617E+00 | 2.494E+00 |

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

| Nuclide (j) | Parent (i) | BRF(i) | DOSE(j,t), mrem/yr | | | | | | | |
|-------------|------------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 1.000E+00 | 4.525E+01 | 3.949E+01 | 3.007E+01 | 1.157E+01 | 7.485E-01 | 3.968E-05 | 0.000E+00 | 0.000E+00 |

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

Individual Nuclide Soil Concentration
 Parent Nuclide and Branch Fraction Indicated

| Nuclide (j) | Parent (i) | BRF(i) | S(j,t), pCi/g | | | | | | | |
|-------------|------------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 1.000E+00 | 5.940E+00 | 5.195E+00 | 3.974E+00 | 1.556E+00 | 1.068E-01 | 9.057E-06 | 2.105E-17 | 0.000E+00 |

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

ORESMAIN5.EXE execution time = 20.62 seconds

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Source Factors for Ingrowth and Decay
 Radioactivity Factors Only

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 1.000E+00 | 8.768E-01 | 6.740E-01 | 2.685E-01 | 1.935E-02 | 1.945E-06 | 7.359E-18 | 0.000E+00 |

*Branch Fraction is the cumulative factor for the j't principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
 0

Source Factors for Ingrowth and Decay
 Combined Radioactivity and Leaching Factors

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 1.000E+00 | 8.746E-01 | 6.691E-01 | 2.620E-01 | 1.799E-02 | 1.525E-06 | 3.545E-18 | 0.000E+00 |

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

Parameters Used for Calculating Cover Depth and Contaminated Zone Thicknesses

0 Cover Erosion rate (vcv): 0.001000 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

| Radio-nuclide (i) | Distribution Coefficient Kd(i), cm**3/g | Leaching Ratio q(i) |
|-------------------|---|---------------------|
| Co-60 | 1.000000E+03 | 2.153E-04 |

0 Time Dependence of Source Geometry

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

| Nuclide (i) | t= | Cd(i,t) (meters) | | | | | | | |
|-------------|----|------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 |

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

| Nuclide (i) | t= | T(i,t) (meters) | | | | | | | |
|-------------|----|-----------------|------------|------------|------------|------------|------------|------------|------------|
| | | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | | 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): 0.598
 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 |
|-------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | | 8.413E-01 | 8.394E-01 | 8.356E-01 | 8.215E-01 | 7.743E-01 | 4.864E-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 |
|-------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | | 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)

| Parent (i) | Product (j) | DCF(j,1)* | ETF(j,1,t) (dimensionless) | | | | | | | | |
|------------|-------------|-----------|----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 1.620E+01 | | 5.027E-01 | 5.016E-01 | 4.993E-01 | 4.909E-01 | 4.627E-01 | 2.906E-01 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,1,t) (mrem/yr)/(pCi/g) | | | | | | | | |
|------------|-------------|------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 1.000E+00 | | 7.614E+00 | 6.645E+00 | 5.060E+00 | 1.948E+00 | 1.260E-01 | 6.678E-06 | 0.000E+00 | 0.000E+00 |

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

Dose/Source Ratios for Inhalation Pathway, Excluding Radon (p=2)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 1.443E-05 | 1.253E-05 | 9.460E-06 | 3.527E-06 | 2.074E-07 | 7.284E-12 | 0.000E+00 | 0.000E+00 |

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

0

Pathway Factors for the Inhalation Pathway (radon excluded)

Area (A): 2.0234E+06 m**2 Occupancy Factor (FO2): 3.5612E-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: 7.0617E-02 g/yr

| Nuclide (i) | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|----|------------|------------|------------|------------|------------|------------|------------|------------|
| Co-60 | | 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)

| Parent (i) | Product (j) | DCF(j,2)* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 2.190E-04 | | 7.062E-02 | 7.015E-02 | 6.920E-02 | 6.591E-02 | 5.649E-02 | 2.354E-02 | 0.000E+00 | 0.000E+00 |

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

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 |
|-------------------|---|------------------------------|------------------------------|
| Co-60 | 1.0000E+03 | 4.6437E+03 | 2.7378E+03 |

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 |
|-------------------|---|------------------------------|------------------------------|
| Co-60 | 1.0000E+03 | 4.6437E+03 | 5.4756E+03 |

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 |
|-------------------|---|-----------------------------|-------------------------------------|
| Co-60 | 1.0000E+03 | 5.5002E+03 | Infinite |

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- | Dilution | Retardation | Horizontal Transport Time | Rise | Decay Time | |
| nuclide | Factor | Factor | Onsite | Time | Parameter | |
| (i) | f(i) | Rdsz(i) | Tauh(i), yr | dt(i), yr | 1/lamda(i),yr | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | 1.000E+00 | 3.751E+03 | 3.751E+04 | 1.369E+04 | 7.604E+00 | |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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- | Dilution | Retardation | Breakthrough Time | Rise | |
| nuclide | Factor | Factor | Chain | Time | |
| (i) | f(i) | Rdcz(i) | year | Dt(i), yr | dt(i), yr |
| ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | 1.000E+00 | 4.644E+03 | Infinite | Infinite | 1.369E+04 |
| ===== | ===== | ===== | ===== | ===== | ===== |

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: $t = \text{STOR_T}(k)$, days

| Parent (i) | Product (j) | Branch Fraction | STOR_ID(i, j, t) = CONCE(i, j, t) / CONCE(i, i, 0) | | | | | | | | | | |
|------------|-------------|-----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|
| ----- | ----- | ----- | t= | 1.400E+01 | 1.000E+00 | 1.000E+00 | 2.000E+01 | 7.000E+00 | 7.000E+00 | 1.000E+00 | 1.000E+00 | 4.500E+01 | ----- |
| Co-60 | Co-60 | 1.000E+00 | | 9.950E-01 | 9.996E-01 | 9.996E-01 | 9.928E-01 | 9.975E-01 | 9.975E-01 | 9.996E-01 | 9.996E-01 | 9.839E-01 | ----- |
| ===== | ===== | ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

| Parent (i) | Product (j) | Branch Fraction* | CFWW(j,t,1)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CFWW(j,t,2)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CFWW(j,t,3)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CFWW(j,t,5)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

Storage Time Correction Factors

Irrigation Water for Livestock (Meat) Fodder from Well and/or Surface

Harvest Time = t - 1.81E-01 yr; Consumption Time = t - 1.78E-01 yr

| Parent (i) | Product (j) | Branch | Fraction* | t = 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 |

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

Storage Time Correction Factors

Livestock (Milk) Water from Well and/or Surface

Harvest Time = t - 5.48E-03 yr; Consumption Time = t - 2.74E-03 yr

| Parent (i) | Product (j) | Branch | Fraction* | t = 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 |

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

Storage Time Correction Factors

Livestock (Meat) Water from Well and/or Surface

Harvest Time = t - 5.75E-02 yr; Consumption Time = t - 5.48E-02 yr

| Parent (i) | Product (j) | Branch | Fraction* | t = 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 |

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

Storage Time Correction Factors for Nonleafy Plants

Harvest Time = t - 3.83E-02 yr; Consumption Time = t yr

| Parent (i) | Product (j) | Branch | Fraction* | t = 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.950E-01 | 9.950E-01 | 9.950E-01 | 9.950E-01 | 9.950E-01 | 9.950E-01 | 9.950E-01 | 9.950E-01 |

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

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

| OParent (i) | Product (j) | Branch Fraction* | CF3(j,2,t)# | | | | | | | |
|----------------|----------------|---------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ----- | ----- | ----- | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

| OParent (i) | Product (j) | Branch Fraction* | CFLF(j,1,t)# | | | | | | | |
|----------------|----------------|---------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ----- | ----- | ----- | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

| OParent (i) | Product (j) | Branch Fraction* | CFLF(j,2,t)# | | | | | | | |
|----------------|----------------|---------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ----- | ----- | ----- | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 | 9.839E-01 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

| OParent (i) | Product (j) | Branch Fraction* | CF45(j,1,t)# | | | | | | | |
|----------------|----------------|---------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ----- | ----- | ----- | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.928E-01 | 9.928E-01 | 9.928E-01 | 9.928E-01 | 9.928E-01 | 9.928E-01 | 9.928E-01 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CF45(j,2,t)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ----- | ----- | ----- | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 | 9.996E-01 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

| Parent (i) | Product (j) | Branch Fraction* | CFF(j,1,t)# | | | | | | | |
|------------|-------------|------------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ----- | ----- | ----- | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | Co-60 | 1.000E+00 | 1.000E+00 | 9.975E-01 | 9.975E-01 | 9.975E-01 | 9.975E-01 | 9.975E-01 | 9.975E-01 | 9.975E-01 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

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

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

Area Factor for Plant Foods [FA(3)] = 0.04

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.

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)

| Parent Product (i) | Product (j) | DCF(j,3)* | ETF(j,3,1,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 9.976E+01 | 8.670E+01 | 6.544E+01 | 2.440E+01 | 1.436E+00 | 5.074E-05 | 0.000E+00 | 0.000E+00 | |

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

0

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

| Parent Product (i) | Product (j) | DCF(j,3)* | ETF(j,3,2,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 1.258E-02 | 1.093E-02 | 8.249E-03 | 3.076E-03 | 1.810E-04 | 6.396E-09 | 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)

| Parent Product (i) | Product (j) | DCF(j,3)* | ETF(j,3,3,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent Product (i) | Product (j) | DCF(j,3)* | ETF(j,3,4,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 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)

| Parent Product (i) | Product (j) | DCF(j,4)* | ETF(j,4,1,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent Product (i) | Product (j) | DCF(j,4)* | ETF(j,4,2,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent Product (i) | Product (j) | DCF(j,4)* | ETF(j,4,3,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent Product (i) | Product (j) | DCF(j,4)* | ETF(j,4,4,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent Product (i) | Product (j) | DCF(j,4)* | ETF(j,4,5,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent Product (i) | Product (j) | DCF(j,5)* | ETF(j,5,1,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 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 Foliar Uptake from Contaminated Dust (q=2)

| Parent Product (i) | Product (j) | DCF(j,5)* | ETF(j,5,2,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent Product (i) | Product (j) | DCF(j,5)* | ETF(j,5,3,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 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)

| Parent Product (i) | Product (j) | DCF(j,5)* | ETF(j,5,4,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent Product (i) | Product (j) | DCF(j,5)* | ETF(j,5,5,t) * SF(j,t) (g/yr) | | | | | | | | |
|--------------------|-------------|-----------|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

| Parent (i) | Product (j) | DCF(j,6)* | ETF(j,6,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 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)

| Parent (i) | Product (j) | DCF(j,7)* | ETF(j,7,t) * SF(j,t) (g/yr) | | | | | | | | |
|------------|-------------|-----------|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

Dose/Source Ratios for Internal Radiation from Ingestion of Plant Foods (p=3)
 Subpathway: Root Uptake from Contaminated Soil (q=1)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,3,1,t) (mrem/yr)/(pCi/g) | | | | | | | |
|------------|-------------|------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,3,2,t) (mrem/yr)/(pCi/g) | | | | | | | |
|------------|-------------|------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,3,3,t) (mrem/yr)/(pCi/g) | | | | | | | |
|------------|-------------|------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

0

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,3,4,t) (mrem/yr)/(pCi/g) | | | | | | | |
|------------|-------------|------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|---------------|----------------|---------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 2.504E-03 | 2.176E-03 | 1.642E-03 | 6.123E-04 | 3.601E-05 | 1.265E-09 | 0.000E+00 | 0.000E+00 |

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

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

0

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

Subpathway: Overhead Irrigation (q=4)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

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

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch | Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

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

Subpathway: Livestock Water (q=5)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

Dose/Source Ratios for Internal Radiation from the Ingestion of Fish (p=6)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|---------------|----------------|---------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

Dose/Source Ratios for Internal Radiation from the Ingestion of Drinking Water (p=7)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |

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

Plant/Air and Plant/Water Concentration Ratios

0 Mass loading [ASR(3)]: 1.000E-04 g/m**3

0 Area Factor for Mass Loading [FA(2)]: 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 |
|--------------|---------------------|---------------------|------------------|------------------|------------------|------------------|
| Co-60 | 5.4545E-02 | 2.6156E-01 | 9.0653E-06 | 1.3329E-05 | 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)

0 Nonleafy (k=1) and/or Leafy (k=2) Vegetables

0 Nuclide (i)

| Parent | Product | FSR(i,3,1,k) | FSR(i,3,2,1) | FSR(i,3,2,2) |
|--------|---------|--------------|--------------|--------------|
| Co-60 | Co-60 | 8.0000E-02 | 1.2876E-06 | 6.1745E-06 |

0 Plant/Soil Concentration Ratio, FSR(j,3,q,k,t)

0 Ditch Irrigation (q=3)

| 0Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+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)

0 Overhead Irrigation (q=4) and Nonleafy Vegetables (k=1)

| 0Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Co-60 | Co-60 | 1.000E+00 | | 0.000E+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)

0 Overhead Irrigation (q=4) and Leafy Vegetables (k=2)

| 0Parent (i) | Product (j) | Branch Fraction* | t= | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
|-------------|-------------|------------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | | 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |

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 | FQR(i,4) | FQR(i,5) | FAR(i,3,2,3) | FWR(i,3,3,3) | FWR(i,3,4,3) |
| (i) | d/kg | d/kg | m**3/g | L/g | L/g |
| ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | 2.0000E-02 | 2.0000E-03 | 2.8659E-01 | 4.2663E-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.

Dose/Source Ratios for Soil Ingestion Pathway (p=8)

Parent and Progeny Principal Radionuclide Contributions Indicated

| Parent (i) | Product (j) | Branch Fraction* | DSR(j,8,t) (mrem/yr) / (pCi/g) | | | | | | | |
|------------|-------------|------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 1.000E+00 | 7.685E-04 | 6.676E-04 | 5.039E-04 | 1.879E-04 | 1.105E-05 | 3.880E-10 | 0.000E+00 | 0.000E+00 |

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

0

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

| Parent (i) | Product (j) | DCF(j,8)* | ETF(j,8,t) (g/yr) | | | | | | | |
|------------|-------------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | t= 0.000E+00 | 1.000E+00 | 3.000E+00 | 1.000E+01 | 3.000E+01 | 1.000E+02 | 3.000E+02 | 1.000E+03 |
| Co-60 | Co-60 | 2.690E-05 | 3.062E+01 | 3.042E+01 | 3.001E+01 | 2.858E+01 | 2.450E+01 | 1.021E+01 | 0.000E+00 | 0.000E+00 |

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

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Cancer Risk Slope Factors Summary Table
 File: Default.LIB

| Menu | Parameter | Current Value | Default | Parameter Name |
|------|--|---------------|----------|----------------|
| Sf-1 | Ground external radiation slope factors, 1/yr per (pCi/g): | | | |
| Sf-1 | Co-60 | 9.80E-06 | 9.80E-06 | SLPF(1,1) |
| Sf-2 | Inhalation, slope factors, 1/(pCi): | | | |
| Sf-2 | Co-60 | 6.90E-11 | 6.90E-11 | SLPF(1,2) |
| Sf-3 | Ingestion, slope factors, 1/(pCi): | | | |
| Sf-3 | Co-60 | 1.90E-11 | 1.90E-11 | SLPF(1,3) |

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 | |
| Co-60 | 4.195E-01 | 5.926E+02 | 0.000E+00 | 0.000E+00 | 1.819E+02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 7.746E+02 |

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

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

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 8.780E-04 | 0.9995 | 8.683E-10 | 0.0000 | 3.378E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.037E-07 | 0.0001 |
| Total | 8.780E-04 | 0.9995 | 8.683E-10 | 0.0000 | 3.378E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.037E-07 | 0.0001 |

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

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.784E-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 | 8.784E-04 | 1.0000 |

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

0
 Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 0.000E+00 years

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 8.780E-04 | 0.9995 | 8.683E-10 | 0.0000 | 0.000E+00 | 0.0000 | 3.378E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.037E-07 | 0.0001 |
| Total | 8.780E-04 | 0.9995 | 8.683E-10 | 0.0000 | 0.000E+00 | 0.0000 | 3.378E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.037E-07 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 8.784E-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 | 8.784E-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 | |
| Co-60 | 3.644E-01 | 5.151E+02 | 0.000E+00 | 0.000E+00 | 1.580E+02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.731E+02 |

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

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

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 7.662E-04 | 0.9995 | 7.544E-10 | 0.0000 | 2.936E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.008E-08 | 0.0001 |
| Total | 7.662E-04 | 0.9995 | 7.544E-10 | 0.0000 | 2.936E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.008E-08 | 0.0001 |

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

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.666E-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 | 7.666E-04 | 1.0000 |

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

0
 Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 1.000E+00 years

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 7.662E-04 | 0.9995 | 7.544E-10 | 0.0000 | 0.000E+00 | 0.0000 | 2.936E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.008E-08 | 0.0001 |
| Total | 7.662E-04 | 0.9995 | 7.544E-10 | 0.0000 | 0.000E+00 | 0.0000 | 2.936E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 9.008E-08 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.666E-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 | 7.666E-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 | |
| Co-60 | 2.751E-01 | 3.887E+02 | 0.000E+00 | 0.000E+00 | 1.193E+02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.080E+02 |

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

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

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 5.835E-04 | 0.9995 | 5.694E-10 | 0.0000 | 2.216E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.799E-08 | 0.0001 |
| Total | 5.835E-04 | 0.9995 | 5.694E-10 | 0.0000 | 2.216E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.799E-08 | 0.0001 |

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

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.838E-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 | 5.838E-04 | 1.0000 |

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

0
 Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+00 years

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 5.835E-04 | 0.9995 | 5.694E-10 | 0.0000 | 0.000E+00 | 0.0000 | 2.216E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.799E-08 | 0.0001 |
| Total | 5.835E-04 | 0.9995 | 5.694E-10 | 0.0000 | 0.000E+00 | 0.0000 | 2.216E-07 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 6.799E-08 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.838E-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 | 5.838E-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 | |
| Co-60 | 1.026E-01 | 1.450E+02 | 0.000E+00 | 0.000E+00 | 4.448E+01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.895E+02 |

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 2.246E-04 | 0.9995 | 2.123E-10 | 0.0000 | 8.264E-08 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.536E-08 | 0.0001 |
| Total | 2.246E-04 | 0.9995 | 2.123E-10 | 0.0000 | 8.264E-08 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.536E-08 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.247E-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 | 2.247E-04 | 1.0000 |

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

0

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

0

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 2.246E-04 | 0.9995 | 2.123E-10 | 0.0000 | 0.000E+00 | 0.0000 | 8.264E-08 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.536E-08 | 0.0001 |
| Total | 2.246E-04 | 0.9995 | 2.123E-10 | 0.0000 | 0.000E+00 | 0.0000 | 8.264E-08 | 0.0004 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.536E-08 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 2.247E-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 | 2.247E-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 | |
| Co-60 | 6.036E-03 | 8.531E+00 | 0.000E+00 | 0.000E+00 | 2.618E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.115E+01 |

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

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

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 1.453E-05 | 0.9996 | 1.249E-11 | 0.0000 | 4.863E-09 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.492E-09 | 0.0001 |
| Total | 1.453E-05 | 0.9996 | 1.249E-11 | 0.0000 | 4.863E-09 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.492E-09 | 0.0001 |

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

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.454E-05 | 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 | 1.454E-05 | 1.0000 |

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

0
 Total Excess Cancer Risk CNRSI(i,p,t)*** for Initially Existent Radionuclides (i) and Pathways (p)
 and Fraction of Total Risk at t= 3.000E+01 years

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 1.453E-05 | 0.9996 | 1.249E-11 | 0.0000 | 0.000E+00 | 0.0000 | 4.863E-09 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.492E-09 | 0.0001 |
| Total | 1.453E-05 | 0.9996 | 1.249E-11 | 0.0000 | 0.000E+00 | 0.0000 | 4.863E-09 | 0.0003 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.492E-09 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 1.454E-05 | 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 | 1.454E-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= 1.000E+02 years

| Radio- Nuclide | Water Independent Pathways (Inhalation w/o radon) | | | | | Water Dependent Pathways | | | | | Total Ingestion* |
|-------------------|---|-----------|-----------|-----------|-----------|--------------------------|-----------|-----------|-----------|-----------|---------------------|
| | Inhalation | Plant | Meat | Milk | Soil | Water | Fish | Plant | Meat | Milk | |
| Co-60 | 2.132E-07 | 3.014E-04 | 0.000E+00 | 0.000E+00 | 9.245E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.939E-04 |

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

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

| Radio- Nuclide | Ground | | Inhalation | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 7.739E-10 | 0.9997 | 4.413E-16 | 0.0000 | 1.718E-13 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.270E-14 | 0.0001 |
| Total | 7.739E-10 | 0.9997 | 4.413E-16 | 0.0000 | 1.718E-13 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.270E-14 | 0.0001 |

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

| Radio- Nuclide | Water | | Fish | | Plant | | Meat | | Milk | | All Pathways** | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|----------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.741E-10 | 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 | 7.741E-10 | 1.0000 |

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

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

| Radio- Nuclide | Ground | | Inhalation | | Radon | | Plant | | Meat | | Milk | | Soil | |
|-------------------|-----------|--------|------------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 7.739E-10 | 0.9997 | 4.413E-16 | 0.0000 | 0.000E+00 | 0.0000 | 1.718E-13 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.270E-14 | 0.0001 |
| Total | 7.739E-10 | 0.9997 | 4.413E-16 | 0.0000 | 0.000E+00 | 0.0000 | 1.718E-13 | 0.0002 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 5.270E-14 | 0.0001 |

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 7.741E-10 | 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 | 7.741E-10 | 1.0000 |

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

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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

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

Water Dependent Pathways

| Radio- Nuclide | Water | | Fish | | Radon | | Plant | | Meat | | Milk | | All pathways | |
|-------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------------|--------|
| | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. | risk | fract. |
| Co-60 | 0.000E+00 | 0.0000 | 0.000E+00 | 0.0000 | 0.000E+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
=====

Concentration of radionuclides in different media

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

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

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 5.940E+00 | 5.940E+00 | 1.402E-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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 7.921E+01 | 7.924E+01 | 7.924E+01 | 7.924E+01 | 1.672E+02 | 1.466E+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+00 years

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 5.195E+00 | 5.161E+00 | 1.218E-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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 6.884E+01 | 6.884E+01 | 6.946E+01 | 6.895E+01 | 1.454E+02 | 1.274E+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 = 3.000E+00 years

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 3.974E+00 | 3.895E+00 | 9.195E-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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 5.196E+01 | 5.196E+01 | 5.242E+01 | 5.204E+01 | 1.098E+02 | 9.617E+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 | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 1.556E+00 | 1.453E+00 | 3.429E-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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 1.938E+01 | 1.938E+01 | 1.955E+01 | 1.941E+01 | 4.093E+01 | 3.587E+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 | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 1.068E-01 | 8.547E-02 | 2.018E-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 = 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 1.140E+00 | 1.140E+00 | 1.151E+00 | 1.142E+00 | 2.409E+00 | 2.111E-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 | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 9.057E-06 | 3.019E-06 | 7.127E-11 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 4.029E-05 | 4.027E-05 | 4.073E-05 | 4.040E-05 | 8.522E-05 | 7.462E-06 | 0.000E+00 | 0.000E+00 |

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

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

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

| Radio- Nuclide | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 2.105E-17 | 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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 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 | Contaminat- ed Zone pCi/g | Surface Soil* pCi/g | Air Par- ticulate pCi/m**3 | Well Water pCi/l | Surface Water pCi/l |
|-------------------|---------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|
| Co-60 | 0.000E+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 |
|-------------------|----------------------------|---------------------------------|------------------------------|--------------------------|--------------------------|----------------|---------------|----------------|---------------------|
| Co-60 | 0.000E+00 | 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

| Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | | |
|------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk | |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | |
| Co-60 | 4.52E+01 | 8.57E-05 | 0.00E+00 | 1.49E-02 | 0.00E+00 | 0.00E+00 | 4.56E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.52E+01 |
| Total | 4.52E+01 | 8.57E-05 | 0.00E+00 | 1.49E-02 | 0.00E+00 | 0.00E+00 | 4.56E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.52E+01 |

0*Sum of all water independent and dependent pathways.

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Co-60 | 3.95E+01 | 7.45E-05 | 0.00E+00 | 1.29E-02 | 0.00E+00 | 0.00E+00 | 3.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.95E+01 |
| Total | 3.95E+01 | 7.45E-05 | 0.00E+00 | 1.29E-02 | 0.00E+00 | 0.00E+00 | 3.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.95E+01 |

0*Sum of all water independent and dependent pathways.

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Co-60 | 3.01E+01 | 5.62E-05 | 0.00E+00 | 9.75E-03 | 0.00E+00 | 0.00E+00 | 2.99E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.01E+01 |
| Total | 3.01E+01 | 5.62E-05 | 0.00E+00 | 9.75E-03 | 0.00E+00 | 0.00E+00 | 2.99E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.01E+01 |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Byproduct

File: RESIDEB.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk | |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | |
| Co-60 | 1.16E+01 | 2.10E-05 | 0.00E+00 | 3.64E-03 | 0.00E+00 | 0.00E+00 | 1.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E+01 |
| Total | 1.16E+01 | 2.10E-05 | 0.00E+00 | 3.64E-03 | 0.00E+00 | 0.00E+00 | 1.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.16E+01 |

0*Sum of all water independent and dependent pathways.

Dose from Radionuclides @ Point of Action CE Windsor Site, Suburban Resident Scenario, Byproduct

File: RESIDEB.RAD

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Co-60 | 7.48E-01 | 1.23E-06 | 0.00E+00 | 2.14E-04 | 0.00E+00 | 0.00E+00 | 6.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.49E-01 |
| Total | 7.48E-01 | 1.23E-06 | 0.00E+00 | 2.14E-04 | 0.00E+00 | 0.00E+00 | 6.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.49E-01 |

0*Sum of all water independent and dependent pathways.

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk | |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | |
| Co-60 | 3.97E-05 | 4.33E-11 | 0.00E+00 | 7.52E-09 | 0.00E+00 | 0.00E+00 | 2.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.97E-05 |
| Total | 3.97E-05 | 4.33E-11 | 0.00E+00 | 7.52E-09 | 0.00E+00 | 0.00E+00 | 2.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.97E-05 |

0*Sum of all water independent and dependent pathways.

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

| 0 Radio- Nuc- lide | Water Independent Pathways | | | | | | | Water Dependent Pathways | | | | | | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|
| | 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 |
| Co-60 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 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 Radio- Nuc- lide | Water Independent Pathways | | | | | | Water Dependent Pathways | | | | | | ALL | |
|-----------------------------|----------------------------|----------|----------|----------|----------|----------|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| | Ground | Dust | Radon | Plant | Meat | Milk | Soil | Water | Fish | Radon | Plant | Meat | | Milk |
| | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr | mrem/yr |
| Co-60 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 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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Monte Carlo Input
 ONumber 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 | DM | TRIANGULAR | 0 | .15 | .6 | |
| 12 | MLINH | CONTINUOUS LINEAR | 8 | 0 | 0 | |
| | | | | .000008 | .0151 | |
| | | | | .000016 | .1365 | |
| | | | | .00003 | .8119 | |
| | | | | .00004 | .9495 | |
| | | | | .00006 | .9937 | |
| | | | | .000076 | .9983 | |
| | | | | .0001 | 1 | |
| 13 | DCACTC (1) | LOGNORMAL-N | 5.46 | 2.53 | | |
| 14 | DCACTU1 (1) | LOGNORMAL-N | 5.46 | 2.53 | | |
| 15 | DCACTU2 (1) | LOGNORMAL-N | 5.46 | 2.53 | | |
| 16 | DCACTS (1) | LOGNORMAL-N | 5.46 | 2.53 | | |
| 17 | FR9 | TRIANGULAR | 0 | .39 | 1 | |
| 18 | FIND | TRIANGULAR | .69 | .8048 | .84 | |
| 19 | FOTD | TRIANGULAR | 0 | .0342 | .15 | |

| Monte Carlo 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 |
| Co-60 | | | | | | | | | | | |
| Min | 0.00E+00 | 9.93E-01 | 9.93E-01 | 5.82E-03 | 4.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 6.32E+01 | 6.32E+01 | 5.36E+01 | 3.87E+01 | 1.48E+01 | 1.05E+00 | 9.75E-05 | 5.21E-18 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 1.90E+01 | 1.90E+01 | 1.56E+01 | 1.12E+01 | 3.77E+00 | 2.00E-01 | 7.63E-06 | 6.65E-20 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 1.06E+01 | 1.06E+01 | 9.48E+00 | 7.36E+00 | 2.86E+00 | 1.91E-01 | 1.37E-05 | 4.70E-19 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | | | |
| Min | 0.00E+00 | 9.93E-01 | 9.93E-01 | 5.82E-03 | 4.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 6.32E+01 | 6.32E+01 | 5.36E+01 | 3.87E+01 | 1.48E+01 | 1.05E+00 | 9.75E-05 | 5.21E-18 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 1.90E+01 | 1.90E+01 | 1.56E+01 | 1.12E+01 | 3.77E+00 | 2.00E-01 | 7.63E-06 | 6.65E-20 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 1.06E+01 | 1.06E+01 | 9.48E+00 | 7.36E+00 | 2.86E+00 | 1.91E-01 | 1.37E-05 | 4.70E-19 | 0.00E+00 | 0.00E+00 |

äALL is total dose summed for all nuclides.

| Monte Carlo Risk Summary | | | | | | | | | |
|--------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | RISK(j,t) | | | | | | | | |
| (j) | t= 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | 2.77E-05 | 6.22E-07 | 4.92E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 1.24E-03 | 1.06E-03 | 7.61E-04 | 2.87E-04 | 2.04E-05 | 1.89E-09 | 1.15E-22 | 0.00E+00 | 0.00E+00 |
| Avg | 3.87E-04 | 3.10E-04 | 2.19E-04 | 7.38E-05 | 3.90E-06 | 1.49E-10 | 1.49E-24 | 0.00E+00 | 0.00E+00 |
| Std | 2.06E-04 | 1.83E-04 | 1.43E-04 | 5.56E-05 | 3.71E-06 | 2.65E-10 | 1.06E-23 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 2.77E-05 | 6.22E-07 | 4.92E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 1.24E-03 | 1.06E-03 | 7.61E-04 | 2.87E-04 | 2.04E-05 | 1.89E-09 | 1.15E-22 | 0.00E+00 | 0.00E+00 |
| Avg | 3.87E-04 | 3.10E-04 | 2.19E-04 | 7.38E-05 | 3.90E-06 | 1.49E-10 | 1.49E-24 | 0.00E+00 | 0.00E+00 |
| Std | 2.06E-04 | 1.83E-04 | 1.43E-04 | 5.56E-05 | 3.71E-06 | 2.65E-10 | 1.06E-23 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total risk summed for all nuclides.

| 0 Nuclide (j) | t= | Monte Carlo Dose vs Pathway(i): Ground External | | | | | | | |
|---------------|----|---|----------|----------|----------|----------|----------|----------|----------|
| | | DOSE(i,j,t), mrem/yr | | | | | | | |
| | | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| Co-60 | | | | | | | | | |
| Min | | 9.93E-01 | 5.82E-03 | 4.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 6.32E+01 | 5.36E+01 | 3.87E+01 | 1.48E+01 | 1.05E+00 | 9.75E-05 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.90E+01 | 1.56E+01 | 1.11E+01 | 3.77E+00 | 2.00E-01 | 7.63E-06 | 0.00E+00 | 0.00E+00 |
| Std | | 1.06E+01 | 9.48E+00 | 7.36E+00 | 2.86E+00 | 1.91E-01 | 1.37E-05 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 9.93E-01 | 5.82E-03 | 4.60E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 6.32E+01 | 5.36E+01 | 3.87E+01 | 1.48E+01 | 1.05E+00 | 9.75E-05 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.90E+01 | 1.56E+01 | 1.11E+01 | 3.77E+00 | 2.00E-01 | 7.63E-06 | 0.00E+00 | 0.00E+00 |
| Std | | 1.06E+01 | 9.48E+00 | 7.36E+00 | 2.86E+00 | 1.91E-01 | 1.37E-05 | 0.00E+00 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| 0 Monte Carlo Dose vs Pathway(i): Inhalation (w/o Radon) | | | | | | | | | |
|--|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | DOSE(i,j,t), mrem/yr | | | | | | | | |
| (j) | t= | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | | 9.38E-08 | 1.13E-09 | 8.73E-15 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 4.39E-05 | 3.76E-05 | 2.80E-05 | 1.11E-05 | 8.02E-07 | 8.03E-11 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.18E-05 | 9.77E-06 | 6.96E-06 | 2.33E-06 | 1.20E-07 | 3.95E-12 | 0.00E+00 | 0.00E+00 |
| Std | | 9.27E-06 | 8.06E-06 | 6.08E-06 | 2.31E-06 | 1.47E-07 | 8.96E-12 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 9.38E-08 | 1.13E-09 | 8.73E-15 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 4.39E-05 | 3.76E-05 | 2.80E-05 | 1.11E-05 | 8.02E-07 | 8.03E-11 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.18E-05 | 9.77E-06 | 6.96E-06 | 2.33E-06 | 1.20E-07 | 3.95E-12 | 0.00E+00 | 0.00E+00 |
| Std | | 9.27E-06 | 8.06E-06 | 6.08E-06 | 2.31E-06 | 1.47E-07 | 8.96E-12 | 0.00E+00 | 0.00E+00 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo Dose vs Pathway(i): Radon (Water Ind.) | | | | | | | |
|----------|----------|--|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | 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 |
| (j) | | DOSE(i,j,t), mrem/yr | | | | | | | |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 Nuclide (j) | Monte Carlo t= | Dose vs Pathway(i): | Plant (Water Ind.) | DOSE(i,j,t), mrem/yr | | | | | | | |
|---------------|----------------|---------------------|--------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|
| | | | | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| Co-60 | | | | | | | | | | | |
| Min | 1.33E-04 | 1.30E-06 | 1.01E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 5.66E-02 | 4.93E-02 | 3.75E-02 | 1.44E-02 | 9.24E-04 | 5.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 7.57E-03 | 6.24E-03 | 4.41E-03 | 1.45E-03 | 7.25E-05 | 2.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 8.35E-03 | 7.07E-03 | 5.20E-03 | 1.90E-03 | 1.13E-04 | 5.74E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | | | |
| Min | 1.33E-04 | 1.30E-06 | 1.01E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 5.66E-02 | 4.93E-02 | 3.75E-02 | 1.44E-02 | 9.24E-04 | 5.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 7.57E-03 | 6.24E-03 | 4.41E-03 | 1.45E-03 | 7.25E-05 | 2.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 8.35E-03 | 7.07E-03 | 5.20E-03 | 1.90E-03 | 1.13E-04 | 5.74E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| 0 Nuclide (j) | Monte Carlo t= | Dose vs Pathway(i): | Meat (Water Ind.) | DOSE(i,j,t), mrem/yr | | | | | | | |
|---------------|----------------|---------------------|-------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|
| | | | | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| Co-60 | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Min | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Min | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | | | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| 0 Nuclide (j) | Monte Carlo t= | Dose vs Pathway(i): Milk (Water Ind.) | DOSE(i,j,t), mrem/yr | | | | | | | |
|---------------|----------------|---------------------------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|
| | | | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| Co-60 | | | | | | | | | | |
| Min | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | | |
| Min | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | | 1.33E-05 | 9.29E-08 | 7.21E-13 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 3.88E-03 | 3.35E-03 | 2.52E-03 | 1.00E-03 | 6.67E-05 | 6.22E-09 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.21E-03 | 1.00E-03 | 7.16E-04 | 2.40E-04 | 1.24E-05 | 4.13E-10 | 0.00E+00 | 0.00E+00 |
| Std | | 8.94E-04 | 7.84E-04 | 5.97E-04 | 2.27E-04 | 1.43E-05 | 9.11E-10 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 1.33E-05 | 9.29E-08 | 7.21E-13 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 3.88E-03 | 3.35E-03 | 2.52E-03 | 1.00E-03 | 6.67E-05 | 6.22E-09 | 0.00E+00 | 0.00E+00 |
| Avg | | 1.21E-03 | 1.00E-03 | 7.16E-04 | 2.40E-04 | 1.24E-05 | 4.13E-10 | 0.00E+00 | 0.00E+00 |
| Std | | 8.94E-04 | 7.84E-04 | 5.97E-04 | 2.27E-04 | 1.43E-05 | 9.11E-10 | 0.00E+00 | 0.00E+00 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 Monte Carlo Dose vs Pathway(i): Water Ingestion | | | | | | | | | |
|---|----|----------|----------|----------|----------|----------|----------|----------|----------|
| 0Nuclide | 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 |
| (j) | | | | | | | | | |
| ----- | | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.73E-07 | 1.95E-18 | 0.00E+00 |
| Avg | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-09 | 2.10E-20 | 0.00E+00 |
| Std | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.76E-08 | 1.63E-19 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.73E-07 | 1.95E-18 | 0.00E+00 |
| Avg | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.85E-09 | 2.10E-20 | 0.00E+00 |
| Std | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.76E-08 | 1.63E-19 | 0.00E+00 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.47E-07 | 3.24E-18 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.31E-09 | 4.54E-20 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.92E-08 | 3.09E-19 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.47E-07 | 3.24E-18 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.31E-09 | 4.54E-20 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.92E-08 | 3.09E-19 | 0.00E+00 |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 | | Monte Carlo 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 |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Co-60 | | | | | | | | | |
| Min | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | |
| Min | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| ===== | | ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |

äALL is total pathway dose summed for all nuclides.

| 0 Nuclide (j) | Monte Carlo t= | Dose vs Pathway(i): | Plant (Water Dep.) | DOSE(i,j,t), mrem/yr | | | | | | | |
|---------------|----------------|---------------------|--------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|
| | | | | 0.00E+00 | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| Co-60 | | | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.77E-09 | 1.15E-20 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-11 | 1.23E-22 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-10 | 9.55E-22 | 0.00E+00 |
| äALL | | | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.77E-09 | 1.15E-20 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.08E-11 | 1.23E-22 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.61E-10 | 9.55E-22 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| 0 Nuclide (j) | Monte Carlo t= | Dose vs Pathway(i): | Meat (Water Dep.) | DOSE(i,j,t), mrem/yr | | | | | | |
|---------------|----------------|---------------------|-------------------|----------------------|----------|----------|----------|----------|----------|----------|
| | | | | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
| Co-60 | | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| 0 Nuclide (j) | Monte Carlo t= | Dose vs Pathway(i): Milk (Water Dep.) | DOSE(i,j,t), mrem/yr | 1.00E+00 | 3.00E+00 | 1.00E+01 | 3.00E+01 | 1.00E+02 | 3.00E+02 | 1.00E+03 |
|---------------|----------------|---------------------------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|
| Co-60 | | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| äALL | | | | | | | | | | |
| Min | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Max | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Avg | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Std | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |

äALL is total pathway dose summed for all nuclides.

| Summary of dose at graphical times, reptition 1 | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------|----------|
| Time Years | Dose statistics at graphical times, mrem/yr | | | | | | | |
| | Minimum | Maximum | Mean | Median | 90% | 95% | 97.5% | 99% |
| 0.00E+00 | 2.07E+00 | 5.73E+01 | 1.91E+01 | 1.66E+01 | 3.24E+01 | 3.72E+01 | 5.26E+01 | 5.73E+01 |
| 1.00E+00 | 5.82E-03 | 4.78E+01 | 1.59E+01 | 1.35E+01 | 2.81E+01 | 3.25E+01 | 4.45E+01 | 4.77E+01 |
| 1.06E+00 | 4.13E-03 | 4.73E+01 | 1.57E+01 | 1.34E+01 | 2.78E+01 | 3.22E+01 | 4.40E+01 | 4.72E+01 |
| 1.12E+00 | 2.88E-03 | 4.67E+01 | 1.56E+01 | 1.33E+01 | 2.76E+01 | 3.20E+01 | 4.36E+01 | 4.67E+01 |
| 1.19E+00 | 1.96E-03 | 4.62E+01 | 1.54E+01 | 1.32E+01 | 2.73E+01 | 3.17E+01 | 4.31E+01 | 4.62E+01 |
| 1.25E+00 | 1.31E-03 | 4.56E+01 | 1.52E+01 | 1.31E+01 | 2.71E+01 | 3.14E+01 | 4.26E+01 | 4.56E+01 |
| 1.33E+00 | 8.51E-04 | 4.50E+01 | 1.50E+01 | 1.29E+01 | 2.68E+01 | 3.11E+01 | 4.21E+01 | 4.50E+01 |
| 1.40E+00 | 5.40E-04 | 4.44E+01 | 1.48E+01 | 1.28E+01 | 2.65E+01 | 3.07E+01 | 4.15E+01 | 4.44E+01 |
| 1.49E+00 | 3.34E-04 | 4.37E+01 | 1.46E+01 | 1.26E+01 | 2.62E+01 | 3.04E+01 | 4.10E+01 | 4.37E+01 |
| 1.57E+00 | 2.01E-04 | 4.30E+01 | 1.44E+01 | 1.25E+01 | 2.59E+01 | 3.01E+01 | 4.04E+01 | 4.30E+01 |
| 1.66E+00 | 1.17E-04 | 4.23E+01 | 1.42E+01 | 1.23E+01 | 2.55E+01 | 2.97E+01 | 3.98E+01 | 4.23E+01 |
| 1.76E+00 | 6.64E-05 | 4.16E+01 | 1.40E+01 | 1.21E+01 | 2.52E+01 | 2.93E+01 | 3.91E+01 | 4.16E+01 |
| 1.86E+00 | 3.63E-05 | 4.08E+01 | 1.37E+01 | 1.20E+01 | 2.48E+01 | 2.89E+01 | 3.85E+01 | 4.08E+01 |
| 1.97E+00 | 1.92E-05 | 4.00E+01 | 1.35E+01 | 1.18E+01 | 2.44E+01 | 2.85E+01 | 3.78E+01 | 4.00E+01 |
| 2.09E+00 | 9.77E-06 | 3.92E+01 | 1.32E+01 | 1.16E+01 | 2.41E+01 | 2.80E+01 | 3.70E+01 | 3.92E+01 |
| 2.21E+00 | 4.78E-06 | 3.83E+01 | 1.30E+01 | 1.13E+01 | 2.36E+01 | 2.76E+01 | 3.63E+01 | 3.83E+01 |
| 2.34E+00 | 2.25E-06 | 3.75E+01 | 1.27E+01 | 1.10E+01 | 2.32E+01 | 2.71E+01 | 3.55E+01 | 3.75E+01 |
| 2.47E+00 | 1.01E-06 | 3.67E+01 | 1.24E+01 | 1.07E+01 | 2.28E+01 | 2.66E+01 | 3.46E+01 | 3.67E+01 |
| 2.62E+00 | 4.33E-07 | 3.59E+01 | 1.21E+01 | 1.04E+01 | 2.23E+01 | 2.61E+01 | 3.37E+01 | 3.59E+01 |
| 2.77E+00 | 1.77E-07 | 3.51E+01 | 1.18E+01 | 1.02E+01 | 2.18E+01 | 2.56E+01 | 3.28E+01 | 3.51E+01 |
| 2.93E+00 | 6.84E-08 | 3.42E+01 | 1.15E+01 | 9.93E+00 | 2.13E+01 | 2.50E+01 | 3.18E+01 | 3.42E+01 |
| 3.00E+00 | 4.60E-08 | 3.39E+01 | 1.14E+01 | 9.84E+00 | 2.11E+01 | 2.48E+01 | 3.14E+01 | 3.39E+01 |
| 3.10E+00 | 2.51E-08 | 3.34E+01 | 1.12E+01 | 9.69E+00 | 2.08E+01 | 2.44E+01 | 3.09E+01 | 3.33E+01 |
| 3.28E+00 | 8.67E-09 | 3.24E+01 | 1.09E+01 | 9.34E+00 | 2.03E+01 | 2.38E+01 | 2.99E+01 | 3.24E+01 |
| 3.48E+00 | 2.82E-09 | 3.15E+01 | 1.06E+01 | 9.01E+00 | 1.97E+01 | 2.32E+01 | 2.88E+01 | 3.15E+01 |
| 3.68E+00 | 8.58E-10 | 3.05E+01 | 1.02E+01 | 8.75E+00 | 1.92E+01 | 2.26E+01 | 2.78E+01 | 3.05E+01 |
| 3.89E+00 | 2.44E-10 | 2.96E+01 | 9.90E+00 | 8.48E+00 | 1.86E+01 | 2.20E+01 | 2.67E+01 | 2.95E+01 |
| 4.12E+00 | 6.43E-11 | 2.85E+01 | 9.55E+00 | 8.21E+00 | 1.81E+01 | 2.13E+01 | 2.56E+01 | 2.85E+01 |
| 4.36E+00 | 1.57E-11 | 2.75E+01 | 9.19E+00 | 7.85E+00 | 1.75E+01 | 2.06E+01 | 2.45E+01 | 2.75E+01 |
| 4.61E+00 | 3.53E-12 | 2.65E+01 | 8.83E+00 | 7.47E+00 | 1.69E+01 | 1.99E+01 | 2.35E+01 | 2.64E+01 |
| 4.88E+00 | 7.29E-13 | 2.54E+01 | 8.46E+00 | 7.17E+00 | 1.63E+01 | 1.92E+01 | 2.25E+01 | 2.54E+01 |
| 5.17E+00 | 1.37E-13 | 2.43E+01 | 8.09E+00 | 6.86E+00 | 1.56E+01 | 1.85E+01 | 2.15E+01 | 2.43E+01 |
| 5.47E+00 | 2.34E-14 | 2.32E+01 | 7.72E+00 | 6.56E+00 | 1.49E+01 | 1.78E+01 | 2.05E+01 | 2.32E+01 |
| 5.78E+00 | 3.60E-15 | 2.21E+01 | 7.35E+00 | 6.26E+00 | 1.42E+01 | 1.70E+01 | 1.95E+01 | 2.21E+01 |
| 6.12E+00 | 4.97E-16 | 2.10E+01 | 6.97E+00 | 5.94E+00 | 1.35E+01 | 1.63E+01 | 1.85E+01 | 2.10E+01 |
| 6.48E+00 | 6.11E-17 | 1.99E+01 | 6.60E+00 | 5.65E+00 | 1.28E+01 | 1.55E+01 | 1.75E+01 | 1.99E+01 |
| 6.86E+00 | 6.65E-18 | 1.88E+01 | 6.22E+00 | 5.36E+00 | 1.22E+01 | 1.47E+01 | 1.65E+01 | 1.87E+01 |
| 7.26E+00 | 6.36E-19 | 1.77E+01 | 5.85E+00 | 5.04E+00 | 1.15E+01 | 1.37E+01 | 1.55E+01 | 1.76E+01 |
| 7.68E+00 | 5.31E-20 | 1.65E+01 | 5.48E+00 | 4.75E+00 | 1.08E+01 | 1.27E+01 | 1.45E+01 | 1.65E+01 |
| 8.13E+00 | 3.83E-21 | 1.55E+01 | 5.12E+00 | 4.47E+00 | 1.01E+01 | 1.17E+01 | 1.35E+01 | 1.54E+01 |
| 8.60E+00 | 0.00E+00 | 1.44E+01 | 4.76E+00 | 4.18E+00 | 9.42E+00 | 1.07E+01 | 1.25E+01 | 1.44E+01 |
| 9.10E+00 | 0.00E+00 | 1.33E+01 | 4.41E+00 | 3.90E+00 | 8.77E+00 | 9.82E+00 | 1.16E+01 | 1.33E+01 |
| 9.63E+00 | 0.00E+00 | 1.23E+01 | 4.07E+00 | 3.62E+00 | 8.12E+00 | 9.02E+00 | 1.08E+01 | 1.23E+01 |
| 1.00E+01 | 0.00E+00 | 1.16E+01 | 3.85E+00 | 3.43E+00 | 7.70E+00 | 8.57E+00 | 1.02E+01 | 1.16E+01 |
| 1.02E+01 | 0.00E+00 | 1.13E+01 | 3.74E+00 | 3.34E+00 | 7.49E+00 | 8.35E+00 | 9.98E+00 | 1.13E+01 |
| 1.08E+01 | 0.00E+00 | 1.03E+01 | 3.42E+00 | 3.07E+00 | 6.88E+00 | 7.69E+00 | 9.21E+00 | 1.03E+01 |
| 1.14E+01 | 0.00E+00 | 9.34E+00 | 3.11E+00 | 2.81E+00 | 6.29E+00 | 7.05E+00 | 8.47E+00 | 9.33E+00 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.21E+01 | 0.00E+00 | 8.43E+00 | 2.81E+00 | 2.56E+00 | 5.70E+00 | 6.31E+00 | 7.74E+00 | 8.43E+00 |
| 1.28E+01 | 0.00E+00 | 7.57E+00 | 2.53E+00 | 2.32E+00 | 5.05E+00 | 5.67E+00 | 7.04E+00 | 7.57E+00 |
| 1.35E+01 | 0.00E+00 | 6.75E+00 | 2.26E+00 | 2.09E+00 | 4.52E+00 | 5.09E+00 | 6.37E+00 | 6.75E+00 |
| 1.43E+01 | 0.00E+00 | 6.05E+00 | 2.01E+00 | 1.88E+00 | 4.04E+00 | 4.55E+00 | 5.69E+00 | 6.05E+00 |
| 1.51E+01 | 0.00E+00 | 5.40E+00 | 1.78E+00 | 1.68E+00 | 3.58E+00 | 4.03E+00 | 5.05E+00 | 5.40E+00 |
| 1.60E+01 | 0.00E+00 | 4.79E+00 | 1.56E+00 | 1.48E+00 | 3.08E+00 | 3.55E+00 | 4.45E+00 | 4.79E+00 |
| 1.70E+01 | 0.00E+00 | 4.23E+00 | 1.36E+00 | 1.30E+00 | 2.71E+00 | 3.11E+00 | 3.89E+00 | 4.22E+00 |
| 1.80E+01 | 0.00E+00 | 3.70E+00 | 1.17E+00 | 1.13E+00 | 2.37E+00 | 2.70E+00 | 3.37E+00 | 3.69E+00 |
| 1.90E+01 | 0.00E+00 | 3.21E+00 | 1.01E+00 | 9.78E-01 | 2.04E+00 | 2.32E+00 | 2.90E+00 | 3.21E+00 |
| 2.01E+01 | 0.00E+00 | 2.76E+00 | 8.55E-01 | 8.38E-01 | 1.75E+00 | 1.98E+00 | 2.48E+00 | 2.76E+00 |
| 2.13E+01 | 0.00E+00 | 2.36E+00 | 7.20E-01 | 7.14E-01 | 1.49E+00 | 1.68E+00 | 2.09E+00 | 2.36E+00 |
| 2.25E+01 | 0.00E+00 | 1.99E+00 | 6.00E-01 | 6.03E-01 | 1.26E+00 | 1.42E+00 | 1.75E+00 | 1.99E+00 |
| 2.38E+01 | 0.00E+00 | 1.67E+00 | 4.95E-01 | 5.03E-01 | 1.04E+00 | 1.18E+00 | 1.45E+00 | 1.67E+00 |
| 2.52E+01 | 0.00E+00 | 1.38E+00 | 4.04E-01 | 4.12E-01 | 8.54E-01 | 9.71E-01 | 1.18E+00 | 1.38E+00 |
| 2.67E+01 | 0.00E+00 | 1.13E+00 | 3.26E-01 | 3.33E-01 | 6.92E-01 | 7.90E-01 | 9.58E-01 | 1.13E+00 |
| 2.82E+01 | 0.00E+00 | 9.18E-01 | 2.60E-01 | 2.65E-01 | 5.55E-01 | 6.35E-01 | 7.66E-01 | 9.17E-01 |
| 2.99E+01 | 0.00E+00 | 7.35E-01 | 2.05E-01 | 2.05E-01 | 4.45E-01 | 5.04E-01 | 6.04E-01 | 7.34E-01 |
| 3.00E+01 | 0.00E+00 | 7.23E-01 | 2.01E-01 | 2.01E-01 | 4.38E-01 | 4.96E-01 | 5.95E-01 | 7.22E-01 |
| 3.16E+01 | 0.00E+00 | 5.80E-01 | 1.59E-01 | 1.59E-01 | 3.51E-01 | 3.95E-01 | 4.76E-01 | 5.80E-01 |
| 3.35E+01 | 0.00E+00 | 4.52E-01 | 1.22E-01 | 1.21E-01 | 2.72E-01 | 3.05E-01 | 3.70E-01 | 4.52E-01 |
| 3.54E+01 | 0.00E+00 | 3.47E-01 | 9.17E-02 | 9.11E-02 | 2.07E-01 | 2.31E-01 | 2.83E-01 | 3.47E-01 |
| 3.75E+01 | 0.00E+00 | 2.62E-01 | 6.79E-02 | 6.74E-02 | 1.54E-01 | 1.73E-01 | 2.14E-01 | 2.62E-01 |
| 3.97E+01 | 0.00E+00 | 1.95E-01 | 4.95E-02 | 4.81E-02 | 1.11E-01 | 1.27E-01 | 1.58E-01 | 1.95E-01 |
| 4.20E+01 | 0.00E+00 | 1.43E-01 | 3.53E-02 | 3.34E-02 | 7.86E-02 | 9.21E-02 | 1.15E-01 | 1.42E-01 |
| 4.44E+01 | 0.00E+00 | 1.02E-01 | 2.48E-02 | 2.33E-02 | 5.43E-02 | 6.61E-02 | 8.24E-02 | 1.02E-01 |
| 4.70E+01 | 0.00E+00 | 7.19E-02 | 1.70E-02 | 1.59E-02 | 3.67E-02 | 4.65E-02 | 5.77E-02 | 7.19E-02 |
| 4.97E+01 | 0.00E+00 | 4.96E-02 | 1.14E-02 | 1.03E-02 | 2.45E-02 | 3.21E-02 | 3.96E-02 | 4.95E-02 |
| 5.26E+01 | 0.00E+00 | 3.34E-02 | 7.48E-03 | 6.45E-03 | 1.65E-02 | 2.18E-02 | 2.66E-02 | 3.34E-02 |
| 5.57E+01 | 0.00E+00 | 2.20E-02 | 4.77E-03 | 3.92E-03 | 1.06E-02 | 1.45E-02 | 1.75E-02 | 2.20E-02 |
| 5.90E+01 | 0.00E+00 | 1.42E-02 | 2.96E-03 | 2.16E-03 | 6.78E-03 | 9.43E-03 | 1.13E-02 | 1.41E-02 |
| 6.24E+01 | 0.00E+00 | 8.86E-03 | 1.78E-03 | 1.23E-03 | 4.29E-03 | 5.89E-03 | 7.11E-03 | 8.85E-03 |
| 6.60E+01 | 0.00E+00 | 5.40E-03 | 1.04E-03 | 6.11E-04 | 2.60E-03 | 3.54E-03 | 4.35E-03 | 5.39E-03 |
| 6.99E+01 | 0.00E+00 | 3.19E-03 | 5.91E-04 | 3.09E-04 | 1.51E-03 | 2.06E-03 | 2.58E-03 | 3.19E-03 |
| 7.39E+01 | 0.00E+00 | 1.83E-03 | 3.23E-04 | 1.53E-04 | 8.74E-04 | 1.17E-03 | 1.49E-03 | 1.83E-03 |
| 7.82E+01 | 0.00E+00 | 1.01E-03 | 1.70E-04 | 6.86E-05 | 4.90E-04 | 6.45E-04 | 8.27E-04 | 1.01E-03 |
| 8.28E+01 | 0.00E+00 | 5.43E-04 | 8.67E-05 | 2.24E-05 | 2.64E-04 | 3.43E-04 | 4.44E-04 | 5.43E-04 |
| 8.76E+01 | 0.00E+00 | 2.80E-04 | 4.24E-05 | 7.62E-06 | 1.36E-04 | 1.75E-04 | 2.30E-04 | 2.80E-04 |
| 9.27E+01 | 0.00E+00 | 1.39E-04 | 1.98E-05 | 1.78E-06 | 6.70E-05 | 8.60E-05 | 1.14E-04 | 1.39E-04 |
| 9.81E+01 | 0.00E+00 | 6.59E-05 | 8.85E-06 | 3.10E-08 | 3.17E-05 | 4.03E-05 | 5.42E-05 | 6.58E-05 |
| 1.00E+02 | 0.00E+00 | 5.09E-05 | 6.70E-06 | 4.58E-09 | 2.44E-05 | 3.10E-05 | 4.19E-05 | 5.08E-05 |
| 1.04E+02 | 0.00E+00 | 2.99E-05 | 3.77E-06 | 4.08E-10 | 1.43E-05 | 1.81E-05 | 2.46E-05 | 2.99E-05 |
| 1.10E+02 | 0.00E+00 | 1.29E-05 | 1.54E-06 | 2.65E-13 | 6.14E-06 | 7.66E-06 | 1.07E-05 | 1.29E-05 |
| 1.16E+02 | 0.00E+00 | 5.31E-06 | 5.99E-07 | 1.17E-28 | 2.45E-06 | 3.18E-06 | 4.50E-06 | 5.30E-06 |
| 1.23E+02 | 0.00E+00 | 2.06E-06 | 2.17E-07 | 0.00E+00 | 8.80E-07 | 1.27E-06 | 1.80E-06 | 2.06E-06 |
| 1.30E+02 | 0.00E+00 | 7.52E-07 | 7.44E-08 | 0.00E+00 | 3.15E-07 | 4.83E-07 | 6.83E-07 | 7.51E-07 |
| 1.38E+02 | 0.00E+00 | 2.57E-07 | 2.40E-08 | 0.00E+00 | 1.06E-07 | 1.63E-07 | 2.43E-07 | 2.57E-07 |
| 1.46E+02 | 0.00E+00 | 8.37E-08 | 7.22E-09 | 0.00E+00 | 3.18E-08 | 4.94E-08 | 8.04E-08 | 8.37E-08 |
| 1.54E+02 | 0.00E+00 | 2.64E-08 | 2.01E-09 | 0.00E+00 | 8.62E-09 | 1.50E-08 | 2.41E-08 | 2.64E-08 |
| 1.63E+02 | 0.00E+00 | 7.76E-09 | 4.95E-10 | 0.00E+00 | 1.44E-09 | 4.21E-09 | 6.65E-09 | 7.75E-09 |
| 1.73E+02 | 0.00E+00 | 2.10E-09 | 1.14E-10 | 0.00E+00 | 3.00E-10 | 1.08E-09 | 1.66E-09 | 2.10E-09 |
| 1.83E+02 | 0.00E+00 | 5.24E-10 | 2.45E-11 | 0.00E+00 | 4.34E-11 | 2.46E-10 | 3.83E-10 | 5.23E-10 |

| Summary of dose at graphical times, reptition 2 | | | | | | | | |
|---|---|----------|----------|----------|----------|----------|----------|----------|
| Time Years | Dose statistics at graphical times, mrem/yr | | | | | | | |
| | Minimum | Maximum | Mean | Median | 90% | 95% | 97.5% | 99% |
| 0.00E+00 | 3.73E+00 | 6.32E+01 | 1.90E+01 | 1.75E+01 | 3.34E+01 | 3.73E+01 | 5.40E+01 | 6.31E+01 |
| 1.00E+00 | 2.19E-01 | 5.36E+01 | 1.56E+01 | 1.44E+01 | 2.91E+01 | 3.24E+01 | 4.73E+01 | 5.36E+01 |
| 1.06E+00 | 1.80E-01 | 5.31E+01 | 1.55E+01 | 1.42E+01 | 2.88E+01 | 3.21E+01 | 4.69E+01 | 5.31E+01 |
| 1.12E+00 | 1.45E-01 | 5.26E+01 | 1.53E+01 | 1.41E+01 | 2.86E+01 | 3.19E+01 | 4.65E+01 | 5.26E+01 |
| 1.19E+00 | 1.16E-01 | 5.20E+01 | 1.51E+01 | 1.40E+01 | 2.83E+01 | 3.16E+01 | 4.61E+01 | 5.20E+01 |
| 1.25E+00 | 9.14E-02 | 5.15E+01 | 1.49E+01 | 1.39E+01 | 2.79E+01 | 3.13E+01 | 4.57E+01 | 5.14E+01 |
| 1.33E+00 | 7.11E-02 | 5.09E+01 | 1.48E+01 | 1.37E+01 | 2.74E+01 | 3.10E+01 | 4.53E+01 | 5.08E+01 |
| 1.40E+00 | 5.44E-02 | 5.02E+01 | 1.46E+01 | 1.36E+01 | 2.71E+01 | 3.07E+01 | 4.48E+01 | 5.02E+01 |
| 1.49E+00 | 4.11E-02 | 4.95E+01 | 1.44E+01 | 1.34E+01 | 2.67E+01 | 3.04E+01 | 4.43E+01 | 4.95E+01 |
| 1.57E+00 | 3.05E-02 | 4.88E+01 | 1.41E+01 | 1.32E+01 | 2.64E+01 | 3.00E+01 | 4.38E+01 | 4.88E+01 |
| 1.66E+00 | 2.22E-02 | 4.81E+01 | 1.39E+01 | 1.30E+01 | 2.61E+01 | 2.97E+01 | 4.33E+01 | 4.81E+01 |
| 1.76E+00 | 1.59E-02 | 4.74E+01 | 1.37E+01 | 1.28E+01 | 2.57E+01 | 2.93E+01 | 4.27E+01 | 4.73E+01 |
| 1.86E+00 | 1.12E-02 | 4.66E+01 | 1.35E+01 | 1.24E+01 | 2.53E+01 | 2.89E+01 | 4.21E+01 | 4.65E+01 |
| 1.97E+00 | 7.68E-03 | 4.58E+01 | 1.32E+01 | 1.21E+01 | 2.49E+01 | 2.85E+01 | 4.15E+01 | 4.57E+01 |
| 2.09E+00 | 5.17E-03 | 4.49E+01 | 1.30E+01 | 1.18E+01 | 2.45E+01 | 2.80E+01 | 4.09E+01 | 4.49E+01 |
| 2.21E+00 | 3.40E-03 | 4.40E+01 | 1.27E+01 | 1.15E+01 | 2.41E+01 | 2.76E+01 | 4.02E+01 | 4.40E+01 |
| 2.34E+00 | 2.18E-03 | 4.31E+01 | 1.24E+01 | 1.13E+01 | 2.37E+01 | 2.71E+01 | 3.96E+01 | 4.31E+01 |
| 2.47E+00 | 1.37E-03 | 4.22E+01 | 1.22E+01 | 1.10E+01 | 2.33E+01 | 2.66E+01 | 3.88E+01 | 4.21E+01 |
| 2.62E+00 | 8.31E-04 | 4.12E+01 | 1.19E+01 | 1.07E+01 | 2.28E+01 | 2.61E+01 | 3.81E+01 | 4.12E+01 |
| 2.77E+00 | 4.91E-04 | 4.02E+01 | 1.16E+01 | 1.04E+01 | 2.23E+01 | 2.56E+01 | 3.73E+01 | 4.01E+01 |
| 2.93E+00 | 2.82E-04 | 3.91E+01 | 1.13E+01 | 1.01E+01 | 2.17E+01 | 2.51E+01 | 3.65E+01 | 3.91E+01 |
| 3.00E+00 | 2.23E-04 | 3.87E+01 | 1.12E+01 | 9.94E+00 | 2.14E+01 | 2.48E+01 | 3.62E+01 | 3.87E+01 |
| 3.10E+00 | 1.56E-04 | 3.80E+01 | 1.10E+01 | 9.75E+00 | 2.11E+01 | 2.45E+01 | 3.57E+01 | 3.80E+01 |
| 3.28E+00 | 8.39E-05 | 3.69E+01 | 1.07E+01 | 9.43E+00 | 2.04E+01 | 2.39E+01 | 3.49E+01 | 3.69E+01 |
| 3.48E+00 | 4.34E-05 | 3.58E+01 | 1.03E+01 | 9.11E+00 | 1.98E+01 | 2.33E+01 | 3.40E+01 | 3.58E+01 |
| 3.68E+00 | 2.16E-05 | 3.46E+01 | 1.00E+01 | 8.82E+00 | 1.91E+01 | 2.27E+01 | 3.31E+01 | 3.46E+01 |
| 3.89E+00 | 1.03E-05 | 3.34E+01 | 9.68E+00 | 8.52E+00 | 1.84E+01 | 2.21E+01 | 3.21E+01 | 3.34E+01 |
| 4.12E+00 | 4.73E-06 | 3.22E+01 | 9.34E+00 | 8.22E+00 | 1.77E+01 | 2.14E+01 | 3.12E+01 | 3.22E+01 |
| 4.36E+00 | 2.07E-06 | 3.12E+01 | 8.99E+00 | 7.91E+00 | 1.71E+01 | 2.07E+01 | 3.01E+01 | 3.12E+01 |
| 4.61E+00 | 8.62E-07 | 3.01E+01 | 8.64E+00 | 7.59E+00 | 1.64E+01 | 2.01E+01 | 2.90E+01 | 3.01E+01 |
| 4.88E+00 | 3.42E-07 | 2.91E+01 | 8.28E+00 | 7.26E+00 | 1.58E+01 | 1.94E+01 | 2.79E+01 | 2.91E+01 |
| 5.17E+00 | 1.28E-07 | 2.80E+01 | 7.92E+00 | 6.95E+00 | 1.52E+01 | 1.86E+01 | 2.67E+01 | 2.80E+01 |
| 5.47E+00 | 4.55E-08 | 2.69E+01 | 7.56E+00 | 6.61E+00 | 1.46E+01 | 1.79E+01 | 2.55E+01 | 2.69E+01 |
| 5.78E+00 | 1.52E-08 | 2.58E+01 | 7.19E+00 | 6.21E+00 | 1.39E+01 | 1.72E+01 | 2.44E+01 | 2.58E+01 |
| 6.12E+00 | 4.75E-09 | 2.47E+01 | 6.83E+00 | 5.80E+00 | 1.33E+01 | 1.64E+01 | 2.32E+01 | 2.47E+01 |
| 6.48E+00 | 1.39E-09 | 2.36E+01 | 6.46E+00 | 5.43E+00 | 1.27E+01 | 1.56E+01 | 2.20E+01 | 2.35E+01 |
| 6.86E+00 | 3.79E-10 | 2.24E+01 | 6.09E+00 | 5.12E+00 | 1.20E+01 | 1.48E+01 | 2.08E+01 | 2.24E+01 |
| 7.26E+00 | 9.56E-11 | 2.13E+01 | 5.73E+00 | 4.81E+00 | 1.14E+01 | 1.41E+01 | 1.96E+01 | 2.12E+01 |
| 7.68E+00 | 2.23E-11 | 2.01E+01 | 5.37E+00 | 4.49E+00 | 1.07E+01 | 1.33E+01 | 1.84E+01 | 2.01E+01 |
| 8.13E+00 | 4.77E-12 | 1.89E+01 | 5.02E+00 | 4.16E+00 | 1.01E+01 | 1.25E+01 | 1.72E+01 | 1.89E+01 |
| 8.60E+00 | 9.34E-13 | 1.78E+01 | 4.67E+00 | 3.83E+00 | 9.43E+00 | 1.17E+01 | 1.60E+01 | 1.78E+01 |
| 9.10E+00 | 1.66E-13 | 1.67E+01 | 4.33E+00 | 3.51E+00 | 8.80E+00 | 1.10E+01 | 1.48E+01 | 1.66E+01 |
| 9.63E+00 | 2.68E-14 | 1.55E+01 | 3.99E+00 | 3.20E+00 | 8.17E+00 | 1.02E+01 | 1.37E+01 | 1.55E+01 |
| 1.00E+01 | 7.47E-15 | 1.48E+01 | 3.78E+00 | 3.00E+00 | 7.76E+00 | 9.70E+00 | 1.30E+01 | 1.48E+01 |
| 1.02E+01 | 3.87E-15 | 1.44E+01 | 3.67E+00 | 2.90E+00 | 7.56E+00 | 9.45E+00 | 1.26E+01 | 1.44E+01 |
| 1.08E+01 | 5.01E-16 | 1.33E+01 | 3.35E+00 | 2.61E+00 | 6.96E+00 | 8.73E+00 | 1.15E+01 | 1.33E+01 |
| 1.14E+01 | 5.75E-17 | 1.23E+01 | 3.05E+00 | 2.34E+00 | 6.39E+00 | 8.03E+00 | 1.05E+01 | 1.23E+01 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.21E+01 | 5.81E-18 | 1.12E+01 | 2.76E+00 | 2.11E+00 | 5.85E+00 | 7.35E+00 | 9.52E+00 | 1.12E+01 |
| 1.28E+01 | 0.00E+00 | 1.02E+01 | 2.49E+00 | 1.90E+00 | 5.32E+00 | 6.70E+00 | 8.57E+00 | 1.02E+01 |
| 1.35E+01 | 0.00E+00 | 9.28E+00 | 2.23E+00 | 1.66E+00 | 4.81E+00 | 6.07E+00 | 7.67E+00 | 9.28E+00 |
| 1.43E+01 | 0.00E+00 | 8.36E+00 | 1.98E+00 | 1.45E+00 | 4.33E+00 | 5.47E+00 | 6.82E+00 | 8.36E+00 |
| 1.51E+01 | 0.00E+00 | 7.49E+00 | 1.75E+00 | 1.25E+00 | 3.84E+00 | 4.89E+00 | 6.03E+00 | 7.49E+00 |
| 1.60E+01 | 0.00E+00 | 6.67E+00 | 1.53E+00 | 1.07E+00 | 3.37E+00 | 4.35E+00 | 5.29E+00 | 6.66E+00 |
| 1.70E+01 | 0.00E+00 | 5.89E+00 | 1.34E+00 | 9.06E-01 | 2.93E+00 | 3.85E+00 | 4.61E+00 | 5.89E+00 |
| 1.80E+01 | 0.00E+00 | 5.17E+00 | 1.15E+00 | 7.86E-01 | 2.54E+00 | 3.35E+00 | 4.01E+00 | 5.17E+00 |
| 1.90E+01 | 0.00E+00 | 4.50E+00 | 9.90E-01 | 6.78E-01 | 2.19E+00 | 2.86E+00 | 3.49E+00 | 4.50E+00 |
| 2.01E+01 | 0.00E+00 | 3.89E+00 | 8.42E-01 | 5.80E-01 | 1.87E+00 | 2.45E+00 | 3.00E+00 | 3.89E+00 |
| 2.13E+01 | 0.00E+00 | 3.33E+00 | 7.09E-01 | 4.87E-01 | 1.58E+00 | 2.09E+00 | 2.57E+00 | 3.33E+00 |
| 2.25E+01 | 0.00E+00 | 2.83E+00 | 5.91E-01 | 3.99E-01 | 1.33E+00 | 1.76E+00 | 2.17E+00 | 2.83E+00 |
| 2.38E+01 | 0.00E+00 | 2.38E+00 | 4.88E-01 | 3.23E-01 | 1.10E+00 | 1.47E+00 | 1.82E+00 | 2.38E+00 |
| 2.52E+01 | 0.00E+00 | 1.98E+00 | 3.99E-01 | 2.61E-01 | 9.05E-01 | 1.22E+00 | 1.51E+00 | 1.98E+00 |
| 2.67E+01 | 0.00E+00 | 1.63E+00 | 3.22E-01 | 2.09E-01 | 7.35E-01 | 9.98E-01 | 1.24E+00 | 1.63E+00 |
| 2.82E+01 | 0.00E+00 | 1.33E+00 | 2.57E-01 | 1.65E-01 | 5.89E-01 | 8.08E-01 | 1.01E+00 | 1.33E+00 |
| 2.99E+01 | 0.00E+00 | 1.07E+00 | 2.02E-01 | 1.25E-01 | 4.66E-01 | 6.46E-01 | 8.06E-01 | 1.07E+00 |
| 3.00E+01 | 0.00E+00 | 1.05E+00 | 1.99E-01 | 1.22E-01 | 4.58E-01 | 6.36E-01 | 7.93E-01 | 1.05E+00 |
| 3.16E+01 | 0.00E+00 | 8.48E-01 | 1.57E-01 | 9.45E-02 | 3.62E-01 | 5.09E-01 | 6.37E-01 | 8.47E-01 |
| 3.35E+01 | 0.00E+00 | 6.65E-01 | 1.20E-01 | 7.10E-02 | 2.78E-01 | 3.96E-01 | 4.97E-01 | 6.64E-01 |
| 3.54E+01 | 0.00E+00 | 5.14E-01 | 9.06E-02 | 5.09E-02 | 2.11E-01 | 3.04E-01 | 3.82E-01 | 5.13E-01 |
| 3.75E+01 | 0.00E+00 | 3.91E-01 | 6.72E-02 | 3.76E-02 | 1.59E-01 | 2.29E-01 | 2.89E-01 | 3.90E-01 |
| 3.97E+01 | 0.00E+00 | 2.93E-01 | 4.90E-02 | 2.72E-02 | 1.18E-01 | 1.70E-01 | 2.15E-01 | 2.92E-01 |
| 4.20E+01 | 0.00E+00 | 2.16E-01 | 3.51E-02 | 1.93E-02 | 8.64E-02 | 1.24E-01 | 1.57E-01 | 2.15E-01 |
| 4.44E+01 | 0.00E+00 | 1.56E-01 | 2.46E-02 | 1.34E-02 | 6.08E-02 | 8.89E-02 | 1.13E-01 | 1.56E-01 |
| 4.70E+01 | 0.00E+00 | 1.11E-01 | 1.70E-02 | 8.86E-03 | 4.23E-02 | 6.25E-02 | 7.96E-02 | 1.11E-01 |
| 4.97E+01 | 0.00E+00 | 7.71E-02 | 1.15E-02 | 5.79E-03 | 2.88E-02 | 4.29E-02 | 5.49E-02 | 7.69E-02 |
| 5.26E+01 | 0.00E+00 | 5.25E-02 | 7.54E-03 | 3.65E-03 | 1.93E-02 | 2.89E-02 | 3.70E-02 | 5.24E-02 |
| 5.57E+01 | 0.00E+00 | 3.50E-02 | 4.85E-03 | 2.20E-03 | 1.26E-02 | 1.90E-02 | 2.44E-02 | 3.49E-02 |
| 5.90E+01 | 0.00E+00 | 2.28E-02 | 3.04E-03 | 1.28E-03 | 8.02E-03 | 1.22E-02 | 1.57E-02 | 2.27E-02 |
| 6.24E+01 | 0.00E+00 | 1.44E-02 | 1.85E-03 | 5.99E-04 | 4.97E-03 | 7.59E-03 | 9.83E-03 | 1.44E-02 |
| 6.60E+01 | 0.00E+00 | 8.91E-03 | 1.09E-03 | 3.02E-04 | 3.04E-03 | 4.60E-03 | 5.98E-03 | 8.89E-03 |
| 6.99E+01 | 0.00E+00 | 5.35E-03 | 6.23E-04 | 1.32E-04 | 1.81E-03 | 2.71E-03 | 3.53E-03 | 5.33E-03 |
| 7.39E+01 | 0.00E+00 | 3.12E-03 | 3.45E-04 | 4.64E-05 | 1.04E-03 | 1.55E-03 | 2.02E-03 | 3.11E-03 |
| 7.82E+01 | 0.00E+00 | 1.76E-03 | 1.85E-04 | 1.25E-05 | 5.81E-04 | 8.52E-04 | 1.12E-03 | 1.75E-03 |
| 8.28E+01 | 0.00E+00 | 9.61E-04 | 9.52E-05 | 3.95E-06 | 3.09E-04 | 4.53E-04 | 5.95E-04 | 9.57E-04 |
| 8.76E+01 | 0.00E+00 | 5.06E-04 | 4.73E-05 | 7.92E-07 | 1.59E-04 | 2.35E-04 | 3.10E-04 | 5.04E-04 |
| 9.27E+01 | 0.00E+00 | 2.57E-04 | 2.28E-05 | 1.45E-07 | 7.83E-05 | 1.18E-04 | 1.56E-04 | 2.56E-04 |
| 9.81E+01 | 0.00E+00 | 1.25E-04 | 1.05E-05 | 1.03E-08 | 3.67E-05 | 5.68E-05 | 7.53E-05 | 1.25E-04 |
| 1.00E+02 | 0.00E+00 | 9.75E-05 | 8.02E-06 | 2.16E-09 | 2.84E-05 | 4.41E-05 | 5.85E-05 | 9.72E-05 |
| 1.04E+02 | 0.00E+00 | 5.84E-05 | 4.60E-06 | 1.99E-12 | 1.66E-05 | 2.62E-05 | 3.48E-05 | 5.82E-05 |
| 1.10E+02 | 0.00E+00 | 2.61E-05 | 1.90E-06 | 1.29E-17 | 7.09E-06 | 1.06E-05 | 1.53E-05 | 2.60E-05 |
| 1.16E+02 | 0.00E+00 | 1.11E-05 | 7.55E-07 | 0.00E+00 | 2.91E-06 | 4.40E-06 | 6.41E-06 | 1.11E-05 |
| 1.23E+02 | 0.00E+00 | 4.49E-06 | 2.83E-07 | 0.00E+00 | 1.13E-06 | 1.77E-06 | 2.54E-06 | 4.47E-06 |
| 1.30E+02 | 0.00E+00 | 1.72E-06 | 9.94E-08 | 0.00E+00 | 3.84E-07 | 6.74E-07 | 9.51E-07 | 1.71E-06 |
| 1.38E+02 | 0.00E+00 | 6.22E-07 | 3.22E-08 | 0.00E+00 | 1.37E-07 | 2.42E-07 | 3.34E-07 | 6.20E-07 |
| 1.46E+02 | 0.00E+00 | 2.12E-07 | 1.02E-08 | 0.00E+00 | 4.59E-08 | 8.17E-08 | 1.09E-07 | 2.11E-07 |
| 1.54E+02 | 0.00E+00 | 6.74E-08 | 2.97E-09 | 0.00E+00 | 1.34E-08 | 2.59E-08 | 3.33E-08 | 6.71E-08 |
| 1.63E+02 | 0.00E+00 | 2.00E-08 | 8.16E-10 | 0.00E+00 | 3.17E-09 | 7.50E-09 | 9.29E-09 | 1.99E-08 |
| 1.73E+02 | 0.00E+00 | 5.51E-09 | 2.06E-10 | 0.00E+00 | 7.63E-10 | 1.98E-09 | 2.35E-09 | 5.48E-09 |
| 1.83E+02 | 0.00E+00 | 1.40E-09 | 4.72E-11 | 0.00E+00 | 1.66E-10 | 4.59E-10 | 5.62E-10 | 1.39E-09 |

| 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 | 9.93E-01 | 5.62E+01 | 1.89E+01 | 1.74E+01 | 3.06E+01 | 3.91E+01 | 4.85E+01 | 5.62E+01 |
| 1.00E+00 | 1.65E-02 | 4.89E+01 | 1.54E+01 | 1.45E+01 | 2.64E+01 | 3.12E+01 | 4.05E+01 | 4.89E+01 |
| 1.06E+00 | 1.25E-02 | 4.85E+01 | 1.52E+01 | 1.43E+01 | 2.62E+01 | 3.08E+01 | 4.02E+01 | 4.85E+01 |
| 1.12E+00 | 9.33E-03 | 4.81E+01 | 1.50E+01 | 1.42E+01 | 2.60E+01 | 3.04E+01 | 3.98E+01 | 4.81E+01 |
| 1.19E+00 | 6.84E-03 | 4.77E+01 | 1.49E+01 | 1.41E+01 | 2.58E+01 | 2.99E+01 | 3.94E+01 | 4.77E+01 |
| 1.25E+00 | 4.93E-03 | 4.73E+01 | 1.47E+01 | 1.39E+01 | 2.55E+01 | 2.95E+01 | 3.90E+01 | 4.73E+01 |
| 1.33E+00 | 3.48E-03 | 4.68E+01 | 1.45E+01 | 1.38E+01 | 2.53E+01 | 2.90E+01 | 3.85E+01 | 4.68E+01 |
| 1.40E+00 | 2.41E-03 | 4.63E+01 | 1.43E+01 | 1.36E+01 | 2.50E+01 | 2.85E+01 | 3.81E+01 | 4.63E+01 |
| 1.49E+00 | 1.63E-03 | 4.58E+01 | 1.41E+01 | 1.35E+01 | 2.47E+01 | 2.80E+01 | 3.76E+01 | 4.58E+01 |
| 1.57E+00 | 1.08E-03 | 4.53E+01 | 1.39E+01 | 1.33E+01 | 2.45E+01 | 2.74E+01 | 3.71E+01 | 4.53E+01 |
| 1.66E+00 | 7.00E-04 | 4.47E+01 | 1.36E+01 | 1.31E+01 | 2.42E+01 | 2.69E+01 | 3.66E+01 | 4.47E+01 |
| 1.76E+00 | 4.42E-04 | 4.41E+01 | 1.34E+01 | 1.29E+01 | 2.38E+01 | 2.63E+01 | 3.60E+01 | 4.41E+01 |
| 1.86E+00 | 2.71E-04 | 4.35E+01 | 1.32E+01 | 1.23E+01 | 2.35E+01 | 2.57E+01 | 3.55E+01 | 4.35E+01 |
| 1.97E+00 | 1.62E-04 | 4.29E+01 | 1.29E+01 | 1.19E+01 | 2.32E+01 | 2.51E+01 | 3.49E+01 | 4.29E+01 |
| 2.09E+00 | 9.37E-05 | 4.22E+01 | 1.27E+01 | 1.17E+01 | 2.28E+01 | 2.44E+01 | 3.43E+01 | 4.22E+01 |
| 2.21E+00 | 5.25E-05 | 4.16E+01 | 1.24E+01 | 1.14E+01 | 2.25E+01 | 2.40E+01 | 3.36E+01 | 4.15E+01 |
| 2.34E+00 | 2.85E-05 | 4.08E+01 | 1.21E+01 | 1.11E+01 | 2.20E+01 | 2.35E+01 | 3.30E+01 | 4.08E+01 |
| 2.47E+00 | 1.49E-05 | 4.01E+01 | 1.19E+01 | 1.09E+01 | 2.16E+01 | 2.31E+01 | 3.23E+01 | 4.01E+01 |
| 2.62E+00 | 7.52E-06 | 3.93E+01 | 1.16E+01 | 1.06E+01 | 2.11E+01 | 2.26E+01 | 3.16E+01 | 3.93E+01 |
| 2.77E+00 | 3.64E-06 | 3.85E+01 | 1.13E+01 | 1.04E+01 | 2.06E+01 | 2.22E+01 | 3.08E+01 | 3.85E+01 |
| 2.93E+00 | 1.69E-06 | 3.77E+01 | 1.10E+01 | 1.02E+01 | 2.01E+01 | 2.17E+01 | 3.01E+01 | 3.77E+01 |
| 3.00E+00 | 1.23E-06 | 3.73E+01 | 1.09E+01 | 1.01E+01 | 1.99E+01 | 2.15E+01 | 2.98E+01 | 3.73E+01 |
| 3.10E+00 | 7.50E-07 | 3.68E+01 | 1.07E+01 | 9.95E+00 | 1.96E+01 | 2.12E+01 | 2.93E+01 | 3.68E+01 |
| 3.28E+00 | 3.18E-07 | 3.59E+01 | 1.04E+01 | 9.71E+00 | 1.91E+01 | 2.07E+01 | 2.85E+01 | 3.59E+01 |
| 3.48E+00 | 1.28E-07 | 3.50E+01 | 1.01E+01 | 9.45E+00 | 1.86E+01 | 2.02E+01 | 2.77E+01 | 3.50E+01 |
| 3.68E+00 | 4.89E-08 | 3.41E+01 | 9.75E+00 | 9.20E+00 | 1.81E+01 | 1.95E+01 | 2.68E+01 | 3.40E+01 |
| 3.89E+00 | 1.76E-08 | 3.31E+01 | 9.42E+00 | 8.93E+00 | 1.76E+01 | 1.86E+01 | 2.59E+01 | 3.31E+01 |
| 4.12E+00 | 6.01E-09 | 3.21E+01 | 9.09E+00 | 8.66E+00 | 1.70E+01 | 1.78E+01 | 2.51E+01 | 3.21E+01 |
| 4.36E+00 | 1.92E-09 | 3.11E+01 | 8.75E+00 | 8.35E+00 | 1.65E+01 | 1.71E+01 | 2.41E+01 | 3.10E+01 |
| 4.61E+00 | 5.74E-10 | 3.00E+01 | 8.40E+00 | 7.98E+00 | 1.59E+01 | 1.65E+01 | 2.32E+01 | 3.00E+01 |
| 4.88E+00 | 1.60E-10 | 2.90E+01 | 8.06E+00 | 7.58E+00 | 1.52E+01 | 1.60E+01 | 2.23E+01 | 2.89E+01 |
| 5.17E+00 | 4.14E-11 | 2.79E+01 | 7.71E+00 | 7.13E+00 | 1.43E+01 | 1.54E+01 | 2.13E+01 | 2.78E+01 |
| 5.47E+00 | 9.91E-12 | 2.68E+01 | 7.36E+00 | 6.78E+00 | 1.37E+01 | 1.48E+01 | 2.04E+01 | 2.67E+01 |
| 5.78E+00 | 0.00E+00 | 2.56E+01 | 7.00E+00 | 6.43E+00 | 1.31E+01 | 1.41E+01 | 1.94E+01 | 2.56E+01 |
| 6.12E+00 | 0.00E+00 | 2.45E+01 | 6.65E+00 | 6.07E+00 | 1.26E+01 | 1.35E+01 | 1.84E+01 | 2.44E+01 |
| 6.48E+00 | 0.00E+00 | 2.33E+01 | 6.29E+00 | 5.76E+00 | 1.20E+01 | 1.29E+01 | 1.75E+01 | 2.33E+01 |
| 6.86E+00 | 0.00E+00 | 2.22E+01 | 5.94E+00 | 5.45E+00 | 1.14E+01 | 1.23E+01 | 1.65E+01 | 2.21E+01 |
| 7.26E+00 | 0.00E+00 | 2.10E+01 | 5.59E+00 | 5.07E+00 | 1.08E+01 | 1.16E+01 | 1.55E+01 | 2.10E+01 |
| 7.68E+00 | 0.00E+00 | 1.98E+01 | 5.24E+00 | 4.74E+00 | 1.02E+01 | 1.10E+01 | 1.45E+01 | 1.98E+01 |
| 8.13E+00 | 0.00E+00 | 1.87E+01 | 4.90E+00 | 4.46E+00 | 9.58E+00 | 1.03E+01 | 1.36E+01 | 1.86E+01 |
| 8.60E+00 | 0.00E+00 | 1.75E+01 | 4.56E+00 | 4.18E+00 | 8.98E+00 | 9.70E+00 | 1.26E+01 | 1.75E+01 |
| 9.10E+00 | 0.00E+00 | 1.64E+01 | 4.23E+00 | 3.90E+00 | 8.40E+00 | 9.08E+00 | 1.17E+01 | 1.63E+01 |
| 9.63E+00 | 0.00E+00 | 1.52E+01 | 3.91E+00 | 3.62E+00 | 7.80E+00 | 8.45E+00 | 1.08E+01 | 1.52E+01 |
| 1.00E+01 | 0.00E+00 | 1.45E+01 | 3.69E+00 | 3.44E+00 | 7.40E+00 | 8.05E+00 | 1.02E+01 | 1.44E+01 |
| 1.02E+01 | 0.00E+00 | 1.41E+01 | 3.59E+00 | 3.35E+00 | 7.21E+00 | 7.84E+00 | 9.91E+00 | 1.41E+01 |
| 1.08E+01 | 0.00E+00 | 1.30E+01 | 3.29E+00 | 3.01E+00 | 6.62E+00 | 7.24E+00 | 9.05E+00 | 1.30E+01 |
| 1.14E+01 | 0.00E+00 | 1.20E+01 | 2.99E+00 | 2.68E+00 | 6.06E+00 | 6.66E+00 | 8.22E+00 | 1.19E+01 |

| | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1.21E+01 | 0.00E+00 | 1.09E+01 | 2.71E+00 | 2.40E+00 | 5.51E+00 | 6.09E+00 | 7.43E+00 | 1.09E+01 |
| 1.28E+01 | 0.00E+00 | 9.94E+00 | 2.44E+00 | 2.11E+00 | 4.99E+00 | 5.55E+00 | 6.67E+00 | 9.91E+00 |
| 1.35E+01 | 0.00E+00 | 8.98E+00 | 2.19E+00 | 1.88E+00 | 4.49E+00 | 5.02E+00 | 5.96E+00 | 8.96E+00 |
| 1.43E+01 | 0.00E+00 | 8.07E+00 | 1.95E+00 | 1.65E+00 | 4.03E+00 | 4.52E+00 | 5.28E+00 | 8.05E+00 |
| 1.51E+01 | 0.00E+00 | 7.21E+00 | 1.72E+00 | 1.45E+00 | 3.60E+00 | 4.04E+00 | 4.68E+00 | 7.19E+00 |
| 1.60E+01 | 0.00E+00 | 6.40E+00 | 1.51E+00 | 1.28E+00 | 3.19E+00 | 3.57E+00 | 4.15E+00 | 6.38E+00 |
| 1.70E+01 | 0.00E+00 | 5.64E+00 | 1.32E+00 | 1.12E+00 | 2.81E+00 | 3.14E+00 | 3.66E+00 | 5.62E+00 |
| 1.80E+01 | 0.00E+00 | 4.93E+00 | 1.14E+00 | 9.56E-01 | 2.46E+00 | 2.75E+00 | 3.21E+00 | 4.91E+00 |
| 1.90E+01 | 0.00E+00 | 4.28E+00 | 9.82E-01 | 7.93E-01 | 2.13E+00 | 2.39E+00 | 2.79E+00 | 4.26E+00 |
| 2.01E+01 | 0.00E+00 | 3.68E+00 | 8.36E-01 | 6.54E-01 | 1.80E+00 | 2.06E+00 | 2.40E+00 | 3.67E+00 |
| 2.13E+01 | 0.00E+00 | 3.14E+00 | 7.05E-01 | 5.51E-01 | 1.54E+00 | 1.77E+00 | 2.05E+00 | 3.13E+00 |
| 2.25E+01 | 0.00E+00 | 2.65E+00 | 5.89E-01 | 4.59E-01 | 1.30E+00 | 1.50E+00 | 1.74E+00 | 2.64E+00 |
| 2.38E+01 | 0.00E+00 | 2.22E+00 | 4.87E-01 | 3.78E-01 | 1.08E+00 | 1.26E+00 | 1.46E+00 | 2.21E+00 |
| 2.52E+01 | 0.00E+00 | 1.84E+00 | 3.99E-01 | 3.08E-01 | 8.96E-01 | 1.04E+00 | 1.21E+00 | 1.83E+00 |
| 2.67E+01 | 0.00E+00 | 1.50E+00 | 3.22E-01 | 2.48E-01 | 7.36E-01 | 8.57E-01 | 9.93E-01 | 1.50E+00 |
| 2.82E+01 | 0.00E+00 | 1.22E+00 | 2.58E-01 | 1.96E-01 | 5.97E-01 | 6.97E-01 | 8.06E-01 | 1.21E+00 |
| 2.99E+01 | 0.00E+00 | 9.72E-01 | 2.03E-01 | 1.54E-01 | 4.79E-01 | 5.59E-01 | 6.46E-01 | 9.69E-01 |
| 3.00E+01 | 0.00E+00 | 9.56E-01 | 2.00E-01 | 1.51E-01 | 4.71E-01 | 5.50E-01 | 6.35E-01 | 9.54E-01 |
| 3.16E+01 | 0.00E+00 | 7.66E-01 | 1.58E-01 | 1.18E-01 | 3.79E-01 | 4.43E-01 | 5.11E-01 | 7.64E-01 |
| 3.35E+01 | 0.00E+00 | 5.96E-01 | 1.21E-01 | 8.86E-02 | 2.96E-01 | 3.46E-01 | 3.99E-01 | 5.94E-01 |
| 3.54E+01 | 0.00E+00 | 4.56E-01 | 9.18E-02 | 6.52E-02 | 2.27E-01 | 2.66E-01 | 3.07E-01 | 4.55E-01 |
| 3.75E+01 | 0.00E+00 | 3.44E-01 | 6.83E-02 | 4.71E-02 | 1.70E-01 | 2.01E-01 | 2.33E-01 | 3.43E-01 |
| 3.97E+01 | 0.00E+00 | 2.55E-01 | 4.99E-02 | 3.37E-02 | 1.26E-01 | 1.49E-01 | 1.74E-01 | 2.55E-01 |
| 4.20E+01 | 0.00E+00 | 1.86E-01 | 3.59E-02 | 2.36E-02 | 9.16E-02 | 1.09E-01 | 1.28E-01 | 1.85E-01 |
| 4.44E+01 | 0.00E+00 | 1.33E-01 | 2.53E-02 | 1.62E-02 | 6.53E-02 | 7.79E-02 | 9.21E-02 | 1.33E-01 |
| 4.70E+01 | 0.00E+00 | 9.31E-02 | 1.75E-02 | 1.07E-02 | 4.57E-02 | 5.47E-02 | 6.51E-02 | 9.29E-02 |
| 4.97E+01 | 0.00E+00 | 6.38E-02 | 1.18E-02 | 6.94E-03 | 3.15E-02 | 3.76E-02 | 4.51E-02 | 6.37E-02 |
| 5.26E+01 | 0.00E+00 | 4.28E-02 | 7.80E-03 | 4.37E-03 | 2.13E-02 | 2.53E-02 | 3.06E-02 | 4.27E-02 |
| 5.57E+01 | 0.00E+00 | 2.80E-02 | 5.03E-03 | 2.74E-03 | 1.41E-02 | 1.66E-02 | 2.03E-02 | 2.80E-02 |
| 5.90E+01 | 0.00E+00 | 1.79E-02 | 3.15E-03 | 1.67E-03 | 9.01E-03 | 1.06E-02 | 1.31E-02 | 1.78E-02 |
| 6.24E+01 | 0.00E+00 | 1.11E-02 | 1.92E-03 | 9.64E-04 | 5.60E-03 | 6.62E-03 | 8.27E-03 | 1.11E-02 |
| 6.60E+01 | 0.00E+00 | 6.67E-03 | 1.13E-03 | 5.06E-04 | 3.37E-03 | 4.01E-03 | 5.08E-03 | 6.67E-03 |
| 6.99E+01 | 0.00E+00 | 3.90E-03 | 6.49E-04 | 2.49E-04 | 1.97E-03 | 2.35E-03 | 3.02E-03 | 3.89E-03 |
| 7.39E+01 | 0.00E+00 | 2.20E-03 | 3.60E-04 | 1.26E-04 | 1.12E-03 | 1.34E-03 | 1.75E-03 | 2.20E-03 |
| 7.82E+01 | 0.00E+00 | 1.20E-03 | 1.92E-04 | 5.39E-05 | 6.10E-04 | 7.35E-04 | 9.77E-04 | 1.20E-03 |
| 8.28E+01 | 0.00E+00 | 6.27E-04 | 9.93E-05 | 2.10E-05 | 3.21E-04 | 3.88E-04 | 5.28E-04 | 6.26E-04 |
| 8.76E+01 | 0.00E+00 | 3.14E-04 | 4.91E-05 | 5.53E-06 | 1.65E-04 | 1.98E-04 | 2.75E-04 | 3.14E-04 |
| 9.27E+01 | 0.00E+00 | 1.56E-04 | 2.34E-05 | 4.22E-07 | 8.25E-05 | 9.77E-05 | 1.35E-04 | 1.56E-04 |
| 9.81E+01 | 0.00E+00 | 7.46E-05 | 1.07E-05 | 1.24E-07 | 3.96E-05 | 4.62E-05 | 6.34E-05 | 7.45E-05 |
| 1.00E+02 | 0.00E+00 | 5.78E-05 | 8.17E-06 | 2.68E-08 | 3.08E-05 | 3.56E-05 | 4.87E-05 | 5.77E-05 |
| 1.04E+02 | 0.00E+00 | 3.41E-05 | 4.67E-06 | 9.16E-10 | 1.82E-05 | 2.08E-05 | 2.82E-05 | 3.41E-05 |
| 1.10E+02 | 0.00E+00 | 1.49E-05 | 1.93E-06 | 2.47E-15 | 7.98E-06 | 9.06E-06 | 1.19E-05 | 1.48E-05 |
| 1.16E+02 | 0.00E+00 | 6.15E-06 | 7.49E-07 | 0.00E+00 | 3.12E-06 | 3.75E-06 | 4.98E-06 | 6.14E-06 |
| 1.23E+02 | 0.00E+00 | 2.40E-06 | 2.74E-07 | 0.00E+00 | 1.13E-06 | 1.45E-06 | 1.98E-06 | 2.40E-06 |
| 1.30E+02 | 0.00E+00 | 8.83E-07 | 9.32E-08 | 0.00E+00 | 4.11E-07 | 5.13E-07 | 7.43E-07 | 8.82E-07 |
| 1.38E+02 | 0.00E+00 | 3.03E-07 | 2.96E-08 | 0.00E+00 | 1.40E-07 | 1.82E-07 | 2.63E-07 | 3.03E-07 |
| 1.46E+02 | 0.00E+00 | 9.64E-08 | 8.67E-09 | 0.00E+00 | 4.45E-08 | 6.04E-08 | 8.69E-08 | 9.64E-08 |
| 1.54E+02 | 0.00E+00 | 2.88E-08 | 2.41E-09 | 0.00E+00 | 1.27E-08 | 1.79E-08 | 2.65E-08 | 2.87E-08 |
| 1.63E+02 | 0.00E+00 | 8.40E-09 | 6.23E-10 | 0.00E+00 | 2.98E-09 | 4.87E-09 | 7.17E-09 | 8.39E-09 |
| 1.73E+02 | 0.00E+00 | 2.27E-09 | 1.47E-10 | 0.00E+00 | 6.27E-10 | 1.19E-09 | 1.73E-09 | 2.27E-09 |
| 1.83E+02 | 0.00E+00 | 5.65E-10 | 3.08E-11 | 0.00E+00 | 1.19E-10 | 2.77E-10 | 3.81E-10 | 5.63E-10 |

| Repetition | Peak of the mean dose (averaged over observations) at graphical times | |
|------------|---|---------------------------|
| | Time of peak mean dose Years | Peak mean dose mrem/yr |
| 1 | 0.000E+00 | 1.908E+01 |
| 2 | 0.000E+00 | 1.901E+01 |
| 3 | 0.000E+00 | 1.887E+01 |

| Coefficients for peak of mean dose time Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--------------|-----|-------|-----|-------|------|-------|------|-------|
| Coefficient = | Repetition = | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 18 | 0.02 | 18 | 0.01 | 11 | -0.06 | 13 | -0.02 |
| Thickness of Unsaturated zone 1 | | 8 | 0.08 | 11 | 0.02 | 15 | -0.04 | 16 | -0.01 |
| Runoff coefficient | | 13 | 0.05 | 15 | 0.02 | 16 | 0.03 | 17 | 0.01 |
| Wind Speed | | 14 | -0.05 | 16 | -0.01 | 10 | -0.07 | 12 | -0.02 |
| Well pump intake depth | | 19 | 0.01 | 19 | 0.00 | 7 | -0.12 | 9 | -0.04 |
| External gamma shielding factor | | 1 | 0.94 | 1 | 0.86 | 1 | 0.92 | 1 | 0.80 |
| Inhalation rate | | 5 | -0.13 | 8 | -0.04 | 14 | 0.04 | 15 | 0.01 |
| Soil ingestion | | 11 | -0.06 | 13 | -0.02 | 9 | -0.09 | 11 | -0.03 |
| Thickness of Unsaturated zone 2 | | 3 | 0.16 | 6 | 0.05 | 8 | 0.10 | 10 | 0.03 |
| Thickness of contaminated zone | | 2 | 0.81 | 2 | 0.42 | 2 | 0.81 | 2 | 0.46 |
| Depth of soil mixing layer | | 16 | -0.04 | 17 | -0.01 | 19 | 0.01 | 19 | 0.00 |
| Mass loading for inhalation | | 12 | 0.05 | 14 | 0.02 | 12 | 0.06 | 14 | 0.02 |
| Kd of Co-60 in Contaminated Zone | | 6 | 0.12 | 5 | 0.07 | 6 | -0.15 | 4 | -0.27 |
| Kd of Co-60 in Unsaturated Zone 1 | | 10 | -0.07 | 9 | -0.04 | 5 | 0.23 | 8 | 0.20 |
| Kd of Co-60 in Unsaturated Zone 2 | | 7 | -0.11 | 10 | -0.03 | 4 | 0.23 | 6 | 0.25 |
| Kd of Co-60 in Saturated Zone | | 9 | 0.07 | 12 | 0.02 | 3 | 0.24 | 5 | 0.25 |
| Aquatic food | | 4 | -0.15 | 7 | -0.05 | 18 | -0.03 | 18 | -0.01 |
| Indoor time fraction | | 17 | 0.02 | 4 | 0.15 | 17 | 0.03 | 7 | 0.22 |
| Outdoor time fraction | | 15 | 0.05 | 3 | 0.30 | 13 | 0.05 | 3 | 0.37 |
| R-SQUARE | | | 0.91 | | 0.91 | | 0.89 | | 0.89 |

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

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

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 18 0.01 | 18 0.00 | 15 0.04 | 15 0.01 |
| Thickness of Unsaturated zone 1 | 4 0.14 | 9 0.05 | 9 0.10 | 12 0.03 |
| Runoff coefficient | 17 -0.03 | 17 -0.01 | 11 -0.07 | 13 -0.02 |
| Wind Speed | 13 0.06 | 14 0.02 | 4 0.18 | 7 0.07 |
| Well pump intake depth | 16 0.04 | 16 0.01 | 7 -0.12 | 9 -0.04 |
| External gamma shielding factor | 1 0.92 | 1 0.80 | 1 0.90 | 3 0.76 |
| Inhalation rate | 5 -0.14 | 8 -0.05 | 8 -0.10 | 11 -0.04 |
| Soil ingestion | 3 0.20 | 5 0.07 | 3 0.20 | 6 0.07 |
| Thickness of Unsaturated zone 2 | 9 0.08 | 12 0.03 | 19 0.00 | 19 0.00 |
| Thickness of contaminated zone | 2 0.78 | 3 0.46 | 2 0.81 | 4 0.50 |
| Depth of soil mixing layer | 15 -0.05 | 15 -0.02 | 16 0.01 | 17 0.00 |
| Mass loading for inhalation | 8 0.09 | 11 0.03 | 12 0.06 | 14 0.02 |
| Kd of Co-60 in Contaminated Zone | 14 -0.05 | 10 -0.04 | 18 0.01 | 16 0.01 |
| Kd of Co-60 in Unsaturated Zone 1 | 6 -0.14 | 6 -0.06 | 13 0.06 | 8 0.06 |
| Kd of Co-60 in Unsaturated Zone 2 | 11 0.07 | 7 0.06 | 14 0.05 | 10 0.04 |
| Kd of Co-60 in Saturated Zone | 12 0.07 | 13 0.02 | 10 0.09 | 5 0.08 |
| Aquatic food | 19 0.00 | 19 0.00 | 17 0.01 | 18 0.00 |
| Indoor time fraction | 10 0.07 | 4 0.39 | 6 0.15 | 2 0.82 |
| Outdoor time fraction | 7 0.10 | 2 0.54 | 5 0.18 | 1 1.00 |
| R-SQUARE | 0.88 | 0.88 | 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 of mean dose time Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 12 -0.06 | 12 -0.02 | 14 -0.08 | 14 -0.02 |
| Thickness of Unsaturated zone 1 | 4 -0.18 | 5 -0.07 | 19 0.03 | 19 0.01 |
| Runoff coefficient | 19 0.01 | 19 0.00 | 16 0.06 | 16 0.02 |
| Wind Speed | 10 0.10 | 10 0.04 | 7 0.15 | 10 0.04 |
| Well pump intake depth | 8 0.13 | 8 0.05 | 18 0.04 | 18 0.01 |
| External gamma shielding factor | 1 0.92 | 3 0.79 | 1 0.94 | 1 0.77 |
| Inhalation rate | 18 -0.02 | 18 -0.01 | 13 -0.09 | 13 -0.03 |
| Soil ingestion | 5 0.17 | 6 0.06 | 4 0.21 | 9 0.06 |
| Thickness of Unsaturated zone 2 | 11 0.10 | 11 0.03 | 8 0.14 | 11 0.04 |
| Thickness of contaminated zone | 2 0.79 | 4 0.44 | 2 0.89 | 4 0.53 |
| Depth of soil mixing layer | 16 0.04 | 16 0.01 | 10 -0.14 | 12 -0.04 |
| Mass loading for inhalation | 7 0.15 | 7 0.05 | 17 -0.06 | 17 -0.02 |
| Kd of Co-60 in Contaminated Zone | 15 0.05 | 14 0.02 | 12 -0.10 | 8 -0.12 |
| Kd of Co-60 in Unsaturated Zone 1 | 17 0.03 | 17 0.01 | 3 0.23 | 5 0.16 |
| Kd of Co-60 in Unsaturated Zone 2 | 13 0.06 | 13 0.02 | 6 0.19 | 7 0.13 |
| Kd of Co-60 in Saturated Zone | 9 0.13 | 9 0.05 | 5 0.20 | 6 0.13 |
| Aquatic food | 14 0.05 | 15 0.02 | 15 -0.07 | 15 -0.02 |
| Indoor time fraction | 3 -0.20 | 1 -1.17 | 9 -0.14 | 2 -0.70 |
| Outdoor time fraction | 6 -0.17 | 2 -0.99 | 11 -0.11 | 3 -0.55 |
| R-SQUARE | 0.88 | 0.88 | 0.93 | 0.93 |

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

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

| Coefficients for peak All Pathways Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|-----|-------|-----|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 1 | | 1 | | 1 | | 1 | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 18 | 0.02 | 18 | 0.01 | 11 | -0.06 | 13 | -0.02 |
| Thickness of Unsaturated zone 1 | | 8 | 0.08 | 11 | 0.02 | 15 | -0.04 | 16 | -0.01 |
| Runoff coefficient | | 13 | 0.05 | 15 | 0.02 | 16 | 0.03 | 17 | 0.01 |
| Wind Speed | | 14 | -0.05 | 16 | -0.01 | 10 | -0.07 | 12 | -0.02 |
| Well pump intake depth | | 19 | 0.01 | 19 | 0.00 | 7 | -0.12 | 9 | -0.04 |
| External gamma shielding factor | | 1 | 0.94 | 1 | 0.86 | 1 | 0.92 | 1 | 0.80 |
| Inhalation rate | | 5 | -0.13 | 8 | -0.04 | 14 | 0.04 | 15 | 0.01 |
| Soil ingestion | | 11 | -0.06 | 13 | -0.02 | 9 | -0.09 | 11 | -0.03 |
| Thickness of Unsaturated zone 2 | | 3 | 0.16 | 6 | 0.05 | 8 | 0.10 | 10 | 0.03 |
| Thickness of contaminated zone | | 2 | 0.81 | 2 | 0.42 | 2 | 0.81 | 2 | 0.46 |
| Depth of soil mixing layer | | 16 | -0.04 | 17 | -0.01 | 19 | 0.01 | 19 | 0.00 |
| Mass loading for inhalation | | 12 | 0.05 | 14 | 0.02 | 12 | 0.06 | 14 | 0.02 |
| Kd of Co-60 in Contaminated Zone | | 6 | 0.13 | 5 | 0.07 | 6 | -0.15 | 4 | -0.27 |
| Kd of Co-60 in Unsaturated Zone 1 | | 10 | -0.07 | 9 | -0.04 | 5 | 0.23 | 8 | 0.20 |
| Kd of Co-60 in Unsaturated Zone 2 | | 7 | -0.11 | 10 | -0.03 | 4 | 0.23 | 6 | 0.25 |
| Kd of Co-60 in Saturated Zone | | 9 | 0.07 | 12 | 0.02 | 3 | 0.24 | 5 | 0.25 |
| Aquatic food | | 4 | -0.15 | 7 | -0.05 | 18 | -0.03 | 18 | -0.01 |
| Indoor time fraction | | 17 | 0.02 | 4 | 0.15 | 17 | 0.03 | 7 | 0.22 |
| Outdoor time fraction | | 15 | 0.05 | 3 | 0.30 | 13 | 0.05 | 3 | 0.38 |
| R-SQUARE | | | 0.91 | | 0.91 | | 0.89 | | 0.89 |

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

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

Coefficients for peak All Pathways Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 18 0.01 | 18 0.00 | 15 0.04 | 15 0.01 |
| Thickness of Unsaturated zone 1 | 4 0.14 | 9 0.05 | 9 0.09 | 12 0.03 |
| Runoff coefficient | 17 -0.03 | 17 -0.01 | 11 -0.07 | 13 -0.02 |
| Wind Speed | 13 0.06 | 14 0.02 | 4 0.18 | 7 0.07 |
| Well pump intake depth | 16 0.04 | 16 0.01 | 7 -0.12 | 10 -0.04 |
| External gamma shielding factor | 1 0.92 | 1 0.80 | 1 0.90 | 3 0.76 |
| Inhalation rate | 5 -0.14 | 8 -0.05 | 8 -0.10 | 11 -0.04 |
| Soil ingestion | 3 0.20 | 5 0.07 | 3 0.20 | 6 0.07 |
| Thickness of Unsaturated zone 2 | 9 0.08 | 12 0.03 | 19 0.00 | 19 0.00 |
| Thickness of contaminated zone | 2 0.78 | 3 0.46 | 2 0.81 | 4 0.50 |
| Depth of soil mixing layer | 15 -0.05 | 15 -0.02 | 16 0.01 | 17 0.01 |
| Mass loading for inhalation | 8 0.09 | 11 0.03 | 12 0.06 | 14 0.02 |
| Kd of Co-60 in Contaminated Zone | 14 -0.05 | 10 -0.04 | 18 0.01 | 16 0.01 |
| Kd of Co-60 in Unsaturated Zone 1 | 6 -0.14 | 6 -0.06 | 13 0.06 | 8 0.06 |
| Kd of Co-60 in Unsaturated Zone 2 | 11 0.07 | 7 0.06 | 14 0.05 | 9 0.04 |
| Kd of Co-60 in Saturated Zone | 12 0.07 | 13 0.02 | 10 0.09 | 5 0.08 |
| Aquatic food | 19 0.00 | 19 0.00 | 17 0.01 | 18 0.00 |
| Indoor time fraction | 10 0.07 | 4 0.39 | 6 0.15 | 2 0.83 |
| Outdoor time fraction | 7 0.10 | 2 0.54 | 5 0.18 | 1 1.00 |
| R-SQUARE | 0.88 | 0.88 | 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 =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 12 -0.06 | 12 -0.02 | 14 -0.08 | 14 -0.02 |
| Thickness of Unsaturated zone 1 | 4 -0.18 | 5 -0.07 | 19 0.03 | 19 0.01 |
| Runoff coefficient | 19 0.01 | 19 0.00 | 16 0.06 | 16 0.02 |
| Wind Speed | 10 0.10 | 10 0.04 | 7 0.15 | 10 0.04 |
| Well pump intake depth | 8 0.13 | 8 0.05 | 18 0.04 | 18 0.01 |
| External gamma shielding factor | 1 0.92 | 3 0.79 | 1 0.94 | 1 0.77 |
| Inhalation rate | 18 -0.02 | 18 -0.01 | 13 -0.09 | 13 -0.03 |
| Soil ingestion | 5 0.17 | 6 0.06 | 4 0.21 | 9 0.06 |
| Thickness of Unsaturated zone 2 | 11 0.10 | 11 0.03 | 8 0.14 | 11 0.04 |
| Thickness of contaminated zone | 2 0.79 | 4 0.44 | 2 0.89 | 4 0.53 |
| Depth of soil mixing layer | 16 0.04 | 16 0.01 | 10 -0.14 | 12 -0.04 |
| Mass loading for inhalation | 7 0.15 | 7 0.05 | 17 -0.06 | 17 -0.02 |
| Kd of Co-60 in Contaminated Zone | 15 0.05 | 14 0.02 | 12 -0.10 | 8 -0.12 |
| Kd of Co-60 in Unsaturated Zone 1 | 17 0.03 | 17 0.01 | 3 0.23 | 5 0.16 |
| Kd of Co-60 in Unsaturated Zone 2 | 13 0.06 | 13 0.02 | 6 0.19 | 7 0.13 |
| Kd of Co-60 in Saturated Zone | 9 0.13 | 9 0.05 | 5 0.20 | 6 0.13 |
| Aquatic food | 14 0.05 | 15 0.02 | 15 -0.07 | 15 -0.02 |
| Indoor time fraction | 3 -0.20 | 1 -1.17 | 9 -0.14 | 2 -0.70 |
| Outdoor time fraction | 6 -0.17 | 2 -0.99 | 11 -0.11 | 3 -0.55 |
| R-SQUARE | 0.88 | 0.88 | 0.93 | 0.93 |

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

| Coefficients for peak External Ground Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 1 | | 1 | | 1 | | 1 | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 18 | 0.02 | 18 | 0.01 | 11 | -0.06 | 13 | -0.02 |
| Thickness of Unsaturated zone 1 | | 8 | 0.08 | 11 | 0.02 | 15 | -0.04 | 16 | -0.01 |
| Runoff coefficient | | 13 | 0.05 | 14 | 0.02 | 16 | 0.04 | 17 | 0.01 |
| Wind Speed | | 14 | -0.05 | 16 | -0.01 | 10 | -0.07 | 12 | -0.02 |
| Well pump intake depth | | 19 | 0.01 | 19 | 0.00 | 7 | -0.12 | 9 | -0.04 |
| External gamma shielding factor | | 1 | 0.94 | 1 | 0.86 | 1 | 0.92 | 1 | 0.80 |
| Inhalation rate | | 5 | -0.13 | 8 | -0.04 | 14 | 0.05 | 15 | 0.02 |
| Soil ingestion | | 11 | -0.06 | 13 | -0.02 | 9 | -0.09 | 11 | -0.03 |
| Thickness of Unsaturated zone 2 | | 3 | 0.16 | 6 | 0.05 | 8 | 0.10 | 10 | 0.03 |
| Thickness of contaminated zone | | 2 | 0.81 | 2 | 0.42 | 2 | 0.81 | 2 | 0.46 |
| Depth of soil mixing layer | | 16 | -0.04 | 17 | -0.01 | 19 | 0.01 | 19 | 0.00 |
| Mass loading for inhalation | | 12 | 0.05 | 15 | 0.02 | 13 | 0.05 | 14 | 0.02 |
| Kd of Co-60 in Contaminated Zone | | 6 | 0.13 | 5 | 0.07 | 6 | -0.15 | 4 | -0.27 |
| Kd of Co-60 in Unsaturated Zone 1 | | 10 | -0.07 | 9 | -0.04 | 5 | 0.23 | 8 | 0.20 |
| Kd of Co-60 in Unsaturated Zone 2 | | 7 | -0.11 | 10 | -0.03 | 4 | 0.23 | 6 | 0.25 |
| Kd of Co-60 in Saturated Zone | | 9 | 0.07 | 12 | 0.02 | 3 | 0.24 | 5 | 0.25 |
| Aquatic food | | 4 | -0.15 | 7 | -0.05 | 18 | -0.03 | 18 | -0.01 |
| Indoor time fraction | | 17 | 0.02 | 4 | 0.15 | 17 | 0.03 | 7 | 0.22 |
| Outdoor time fraction | | 15 | 0.05 | 3 | 0.30 | 12 | 0.05 | 3 | 0.38 |
| R-SQUARE | | 0.91 | | 0.91 | | 0.89 | | 0.89 | |

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

Coefficients for peak External Ground Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 18 0.01 | 18 0.00 | 15 0.04 | 15 0.01 |
| Thickness of Unsaturated zone 1 | 4 0.14 | 9 0.05 | 9 0.09 | 12 0.03 |
| Runoff coefficient | 17 -0.03 | 17 -0.01 | 11 -0.07 | 13 -0.02 |
| Wind Speed | 13 0.06 | 14 0.02 | 4 0.18 | 7 0.07 |
| Well pump intake depth | 16 0.04 | 16 0.01 | 7 -0.12 | 10 -0.04 |
| External gamma shielding factor | 1 0.92 | 1 0.80 | 1 0.90 | 3 0.76 |
| Inhalation rate | 5 -0.14 | 8 -0.05 | 8 -0.10 | 11 -0.04 |
| Soil ingestion | 3 0.20 | 5 0.07 | 3 0.20 | 6 0.07 |
| Thickness of Unsaturated zone 2 | 9 0.08 | 12 0.03 | 19 0.00 | 19 0.00 |
| Thickness of contaminated zone | 2 0.78 | 3 0.46 | 2 0.81 | 4 0.50 |
| Depth of soil mixing layer | 15 -0.05 | 15 -0.02 | 16 0.01 | 17 0.00 |
| Mass loading for inhalation | 8 0.09 | 11 0.03 | 12 0.06 | 14 0.02 |
| Kd of Co-60 in Contaminated Zone | 14 -0.05 | 10 -0.04 | 18 0.01 | 16 0.01 |
| Kd of Co-60 in Unsaturated Zone 1 | 6 -0.14 | 6 -0.06 | 13 0.06 | 8 0.06 |
| Kd of Co-60 in Unsaturated Zone 2 | 11 0.07 | 7 0.06 | 14 0.05 | 9 0.04 |
| Kd of Co-60 in Saturated Zone | 12 0.07 | 13 0.02 | 10 0.09 | 5 0.08 |
| Aquatic food | 19 0.00 | 19 0.00 | 17 0.01 | 18 0.00 |
| Indoor time fraction | 10 0.07 | 4 0.39 | 6 0.15 | 2 0.83 |
| Outdoor time fraction | 7 0.10 | 2 0.54 | 5 0.18 | 1 1.00 |
| R-SQUARE | 0.88 | 0.88 | 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 External Ground Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 12 -0.06 | 12 -0.02 | 14 -0.08 | 14 -0.02 |
| Thickness of Unsaturated zone 1 | 4 -0.18 | 5 -0.07 | 19 0.03 | 19 0.01 |
| Runoff coefficient | 19 0.01 | 19 0.00 | 16 0.06 | 16 0.02 |
| Wind Speed | 10 0.10 | 10 0.04 | 7 0.15 | 10 0.04 |
| Well pump intake depth | 8 0.13 | 8 0.05 | 18 0.04 | 18 0.01 |
| External gamma shielding factor | 1 0.92 | 3 0.79 | 1 0.94 | 1 0.77 |
| Inhalation rate | 18 -0.02 | 18 -0.01 | 13 -0.09 | 13 -0.03 |
| Soil ingestion | 5 0.17 | 6 0.06 | 4 0.21 | 9 0.06 |
| Thickness of Unsaturated zone 2 | 11 0.10 | 11 0.03 | 8 0.14 | 11 0.04 |
| Thickness of contaminated zone | 2 0.79 | 4 0.44 | 2 0.89 | 4 0.53 |
| Depth of soil mixing layer | 16 0.04 | 16 0.01 | 10 -0.14 | 12 -0.04 |
| Mass loading for inhalation | 7 0.15 | 7 0.05 | 17 -0.06 | 17 -0.02 |
| Kd of Co-60 in Contaminated Zone | 15 0.05 | 14 0.02 | 12 -0.10 | 8 -0.12 |
| Kd of Co-60 in Unsaturated Zone 1 | 17 0.03 | 17 0.01 | 3 0.23 | 5 0.16 |
| Kd of Co-60 in Unsaturated Zone 2 | 13 0.06 | 13 0.02 | 6 0.19 | 7 0.13 |
| Kd of Co-60 in Saturated Zone | 9 0.13 | 9 0.05 | 5 0.20 | 6 0.13 |
| Aquatic food | 14 0.05 | 15 0.02 | 15 -0.07 | 15 -0.02 |
| Indoor time fraction | 3 -0.20 | 1 -1.17 | 9 -0.14 | 2 -0.70 |
| Outdoor time fraction | 6 -0.17 | 2 -0.99 | 11 -0.11 | 3 -0.55 |
| R-SQUARE | 0.88 | 0.88 | 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 Inhalation particles Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 1 | | 1 | | 1 | | 1 | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 16 | 0.02 | 18 | 0.01 | 10 | 0.12 | 14 | 0.03 |
| Thickness of Unsaturated zone 1 | | 18 | 0.01 | 19 | 0.01 | 18 | -0.02 | 18 | 0.00 |
| Runoff coefficient | | 9 | -0.05 | 11 | -0.02 | 6 | -0.20 | 12 | -0.06 |
| Wind Speed | | 13 | -0.03 | 16 | -0.01 | 5 | -0.27 | 11 | -0.08 |
| Well pump intake depth | | 11 | 0.04 | 13 | 0.02 | 12 | -0.09 | 15 | -0.03 |
| External gamma shielding factor | | 5 | 0.22 | 7 | 0.09 | 19 | 0.00 | 19 | 0.00 |
| Inhalation rate | | 4 | 0.56 | 4 | 0.27 | 4 | 0.69 | 6 | 0.26 |
| Soil ingestion | | 7 | 0.10 | 9 | 0.04 | 8 | -0.16 | 13 | -0.04 |
| Thickness of Unsaturated zone 2 | | 6 | 0.19 | 8 | 0.08 | 17 | 0.03 | 17 | 0.01 |
| Thickness of contaminated zone | | 3 | 0.75 | 3 | 0.47 | 1 | 0.91 | 1 | 0.58 |
| Depth of soil mixing layer | | 2 | -0.79 | 2 | -0.51 | 2 | -0.90 | 2 | -0.56 |
| Mass loading for inhalation | | 1 | 0.80 | 1 | 0.52 | 3 | 0.86 | 3 | 0.45 |
| Kd of Co-60 in Contaminated Zone | | 17 | 0.02 | 17 | 0.01 | 13 | -0.07 | 9 | -0.10 |
| Kd of Co-60 in Unsaturated Zone 1 | | 15 | -0.02 | 15 | -0.01 | 7 | 0.17 | 7 | 0.12 |
| Kd of Co-60 in Unsaturated Zone 2 | | 10 | 0.05 | 12 | 0.02 | 9 | 0.13 | 8 | 0.11 |
| Kd of Co-60 in Saturated Zone | | 8 | 0.07 | 10 | 0.03 | 11 | 0.09 | 10 | 0.08 |
| Aquatic food | | 12 | 0.04 | 14 | 0.02 | 16 | -0.04 | 16 | -0.01 |
| Indoor time fraction | | 14 | -0.03 | 5 | -0.23 | 14 | -0.06 | 4 | -0.36 |
| Outdoor time fraction | | 19 | -0.01 | 6 | -0.10 | 15 | -0.05 | 5 | -0.30 |
| R-SQUARE | | 0.85 | | 0.85 | | 0.93 | | 0.93 | |

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

Coefficients for peak Inhalation particles Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 15 0.06 | 16 0.02 | 15 0.06 | 15 0.02 |
| Thickness of Unsaturated zone 1 | 5 0.31 | 6 0.11 | 10 0.10 | 12 0.04 |
| Runoff coefficient | 17 0.02 | 18 0.01 | 6 0.13 | 11 0.05 |
| Wind Speed | 9 -0.12 | 12 -0.04 | 19 0.00 | 19 0.00 |
| Well pump intake depth | 12 0.07 | 13 0.03 | 17 -0.04 | 17 -0.01 |
| External gamma shielding factor | 13 -0.07 | 14 -0.03 | 16 -0.05 | 16 -0.02 |
| Inhalation rate | 4 0.45 | 4 0.18 | 4 0.48 | 6 0.21 |
| Soil ingestion | 8 0.15 | 10 0.05 | 18 0.02 | 18 0.01 |
| Thickness of Unsaturated zone 2 | 6 0.19 | 9 0.07 | 11 -0.08 | 13 -0.03 |
| Thickness of contaminated zone | 1 0.83 | 1 0.55 | 1 0.85 | 1 0.61 |
| Depth of soil mixing layer | 3 -0.81 | 3 -0.52 | 2 -0.80 | 4 -0.49 |
| Mass loading for inhalation | 2 0.82 | 2 0.54 | 3 0.77 | 5 0.44 |
| Kd of Co-60 in Contaminated Zone | 11 -0.11 | 8 -0.09 | 7 0.11 | 7 0.19 |
| Kd of Co-60 in Unsaturated Zone 1 | 10 -0.12 | 11 -0.05 | 5 -0.14 | 8 -0.13 |
| Kd of Co-60 in Unsaturated Zone 2 | 7 0.16 | 5 0.13 | 14 -0.06 | 10 -0.06 |
| Kd of Co-60 in Saturated Zone | 18 -0.01 | 19 0.00 | 13 -0.07 | 9 -0.07 |
| Aquatic food | 14 -0.07 | 15 -0.02 | 12 0.07 | 14 0.03 |
| Indoor time fraction | 19 0.00 | 17 0.01 | 8 0.10 | 2 0.59 |
| Outdoor time fraction | 16 0.02 | 7 0.10 | 9 0.10 | 3 0.58 |
| R-SQUARE | 0.88 | 0.88 | 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 | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 9 | 0.08 | 12 | 0.04 | 19 | -0.01 | 19 | 0.00 |
| Thickness of Unsaturated zone 1 | | 10 | -0.08 | 11 | -0.04 | 14 | 0.08 | 15 | 0.03 |
| Runoff coefficient | | 16 | -0.03 | 16 | -0.01 | 16 | -0.06 | 16 | -0.02 |
| Wind Speed | | 5 | -0.30 | 7 | -0.15 | 5 | -0.30 | 11 | -0.12 |
| Well pump intake depth | | 6 | 0.23 | 8 | 0.12 | 7 | 0.17 | 12 | 0.07 |
| External gamma shielding factor | | 19 | 0.00 | 19 | 0.00 | 17 | -0.05 | 17 | -0.02 |
| Inhalation rate | | 4 | 0.40 | 6 | 0.21 | 4 | 0.45 | 6 | 0.19 |
| Soil ingestion | | 8 | 0.10 | 10 | 0.05 | 10 | 0.14 | 13 | 0.06 |
| Thickness of Unsaturated zone 2 | | 12 | -0.06 | 13 | -0.03 | 12 | 0.10 | 14 | 0.04 |
| Thickness of contaminated zone | | 3 | 0.70 | 4 | 0.46 | 1 | 0.83 | 2 | 0.58 |
| Depth of soil mixing layer | | 2 | -0.72 | 3 | -0.50 | 2 | -0.78 | 3 | -0.48 |
| Mass loading for inhalation | | 1 | 0.74 | 2 | 0.53 | 3 | 0.77 | 4 | 0.47 |
| Kd of Co-60 in Contaminated Zone | | 14 | -0.03 | 14 | -0.02 | 11 | -0.11 | 7 | -0.19 |
| Kd of Co-60 in Unsaturated Zone 1 | | 7 | 0.11 | 9 | 0.06 | 6 | 0.20 | 8 | 0.19 |
| Kd of Co-60 in Unsaturated Zone 2 | | 17 | -0.02 | 17 | -0.01 | 8 | 0.15 | 9 | 0.15 |
| Kd of Co-60 in Saturated Zone | | 18 | 0.00 | 18 | 0.00 | 9 | 0.15 | 10 | 0.14 |
| Aquatic food | | 15 | 0.03 | 15 | 0.01 | 18 | -0.03 | 18 | -0.01 |
| Indoor time fraction | | 11 | -0.07 | 1 | -0.53 | 13 | -0.08 | 1 | -0.59 |
| Outdoor time fraction | | 13 | -0.05 | 5 | -0.42 | 15 | -0.07 | 5 | -0.47 |
| R-SQUARE | | 0.78 | | 0.78 | | 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 Radon (WaterInd.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | | | | | | | | |
| 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 2 | | 2 | | 2 | | 2 | |
| Repetition = | | | | | | | | | |
| 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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

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

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Thickness of Unsaturated zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

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

| | PCC 1 | SRC 1 | PRCC 1 | SRRC 1 |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
| Depth of roots | 1 -0.75 | 3 -0.64 | 1 -0.92 | 1 -0.70 |
| Thickness of Unsaturated zone 1 | 5 -0.13 | 8 -0.08 | 3 0.22 | 9 0.07 |
| Runoff coefficient | 16 -0.05 | 16 -0.03 | 14 -0.05 | 14 -0.01 |
| Wind Speed | 11 0.09 | 13 0.05 | 16 -0.03 | 16 -0.01 |
| Well pump intake depth | 6 -0.12 | 9 -0.07 | 18 0.01 | 18 0.00 |
| External gamma shielding factor | 7 -0.12 | 10 -0.07 | 8 0.10 | 10 0.03 |
| Inhalation rate | 17 -0.05 | 17 -0.03 | 11 0.06 | 12 0.02 |
| Soil ingestion | 4 0.18 | 6 0.10 | 15 -0.03 | 15 -0.01 |
| Thickness of Unsaturated zone 2 | 15 -0.06 | 15 -0.03 | 19 0.01 | 19 0.00 |
| Thickness of contaminated zone | 2 0.64 | 4 0.49 | 2 0.91 | 2 0.65 |
| Depth of soil mixing layer | 14 -0.07 | 14 -0.04 | 17 -0.02 | 17 0.00 |
| Mass loading for inhalation | 3 0.21 | 5 0.12 | 9 0.08 | 11 0.02 |
| Kd of Co-60 in Contaminated Zone | 12 -0.09 | 7 -0.09 | 7 -0.10 | 6 -0.17 |
| Kd of Co-60 in Unsaturated Zone 1 | 19 0.01 | 19 0.01 | 6 0.12 | 8 0.10 |
| Kd of Co-60 in Unsaturated Zone 2 | 13 -0.09 | 12 -0.05 | 5 0.16 | 7 0.15 |
| Kd of Co-60 in Saturated Zone | 10 0.10 | 11 0.06 | 4 0.21 | 5 0.20 |
| Aquatic food | 18 0.03 | 18 0.02 | 13 -0.05 | 13 -0.02 |
| Indoor time fraction | 8 0.11 | 1 1.39 | 12 -0.06 | 4 -0.40 |
| Outdoor time fraction | 9 0.10 | 2 1.28 | 10 -0.07 | 3 -0.44 |
| 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 Plant (WaterInd.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|---|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 2 | | 2 | | 2 | | 2 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 1 | -0.74 | 1 | -0.65 | 2 | -0.91 | 2 | -0.66 |
| Thickness of Unsaturated zone 1 | 1 | 17 | 0.00 | 19 | 0.00 | 3 | 0.22 | 5 | 0.07 |
| Runoff coefficient | | 3 | -0.15 | 3 | -0.09 | 19 | 0.00 | 19 | 0.00 |
| Wind Speed | | 9 | 0.09 | 9 | 0.05 | 5 | 0.10 | 9 | 0.03 |
| Well pump intake depth | | 14 | -0.02 | 15 | -0.01 | 12 | -0.05 | 16 | -0.01 |
| External gamma shielding factor | | 7 | 0.10 | 7 | 0.06 | 11 | 0.05 | 15 | 0.01 |
| Inhalation rate | | 10 | -0.05 | 12 | -0.03 | 6 | -0.09 | 10 | -0.03 |
| Soil ingestion | | 8 | -0.09 | 8 | -0.05 | 4 | 0.19 | 6 | 0.05 |
| Thickness of Unsaturated zone 2 | 2 | 5 | -0.12 | 6 | -0.07 | 7 | 0.07 | 12 | 0.02 |
| Thickness of contaminated zone | | 2 | 0.62 | 2 | 0.48 | 1 | 0.92 | 1 | 0.70 |
| Depth of soil mixing layer | | 12 | -0.03 | 13 | -0.02 | 8 | -0.06 | 13 | -0.02 |
| Mass loading for inhalation | | 4 | -0.13 | 4 | -0.08 | 15 | -0.02 | 18 | -0.01 |
| Kd of Co-60 in Contaminated Zone | | 13 | -0.03 | 10 | -0.04 | 18 | 0.01 | 11 | 0.02 |
| Kd of Co-60 in Unsaturated Zone 1 | 1 | 11 | -0.05 | 11 | -0.03 | 13 | 0.04 | 8 | 0.03 |
| Kd of Co-60 in Unsaturated Zone 2 | 2 | 15 | -0.01 | 16 | -0.01 | 9 | 0.05 | 7 | 0.04 |
| Kd of Co-60 in Saturated Zone | | 6 | -0.12 | 5 | -0.07 | 17 | -0.02 | 17 | -0.01 |
| Aquatic food | | 16 | -0.01 | 18 | 0.00 | 10 | -0.05 | 14 | -0.01 |
| Indoor time fraction | | 18 | 0.00 | 14 | 0.02 | 14 | 0.03 | 3 | 0.13 |
| Outdoor time fraction | | 19 | 0.00 | 17 | -0.01 | 16 | 0.02 | 4 | 0.10 |
| R-SQUARE | | 0.68 | | 0.68 | | 0.92 | | 0.92 | |

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

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

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 1 -0.70 | 3 -0.61 | 1 -0.92 | 1 -0.68 |
| Thickness of Unsaturated zone 1 | 12 0.06 | 12 0.04 | 19 0.01 | 19 0.00 |
| Runoff coefficient | 10 -0.09 | 10 -0.06 | 7 -0.12 | 11 -0.04 |
| Wind Speed | 8 -0.11 | 8 -0.07 | 6 -0.13 | 10 -0.04 |
| Well pump intake depth | 16 -0.02 | 16 -0.01 | 11 -0.09 | 12 -0.03 |
| External gamma shielding factor | 11 0.09 | 11 0.05 | 5 0.14 | 9 0.04 |
| Inhalation rate | 7 0.13 | 7 0.08 | 15 -0.03 | 15 -0.01 |
| Soil ingestion | 13 0.04 | 13 0.03 | 13 0.06 | 13 0.02 |
| Thickness of Unsaturated zone 2 | 9 0.10 | 9 0.06 | 14 -0.04 | 14 -0.01 |
| Thickness of contaminated zone | 2 0.58 | 4 0.45 | 2 0.90 | 2 0.65 |
| Depth of soil mixing layer | 4 0.13 | 5 0.08 | 16 0.02 | 16 0.01 |
| Mass loading for inhalation | 5 -0.13 | 6 -0.08 | 18 0.02 | 18 0.01 |
| Kd of Co-60 in Contaminated Zone | 14 -0.03 | 14 -0.02 | 12 -0.07 | 7 -0.10 |
| Kd of Co-60 in Unsaturated Zone 1 | 17 0.02 | 17 0.01 | 3 0.15 | 5 0.12 |
| Kd of Co-60 in Unsaturated Zone 2 | 19 -0.01 | 19 0.00 | 8 0.12 | 8 0.09 |
| Kd of Co-60 in Saturated Zone | 18 0.01 | 18 0.00 | 4 0.15 | 6 0.11 |
| Aquatic food | 15 0.02 | 15 0.01 | 17 0.02 | 17 0.01 |
| Indoor time fraction | 3 0.14 | 1 1.42 | 10 -0.10 | 4 -0.55 |
| Outdoor time fraction | 6 0.13 | 2 1.34 | 9 -0.10 | 3 -0.58 |
| R-SQUARE | 0.63 | 0.63 | 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 =
 Repetition =

| Description of Probabilistic Variable | PCC | | SRC | | PRCC | | SRRC | |
|---------------------------------------|-----|-------|-----|-------|------|-------|------|-------|
| | 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 |

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

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

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

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

| Coefficients for peak Meat (WaterInd.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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

| Coefficients for peak Milk (WaterInd.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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

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

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

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

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

PCC 3 SRC 3 PRCC 3 SRRC 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

| Coefficients for peak Soil Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 1 | | 1 | | 1 | | 1 | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 15 | 0.03 | 15 | 0.01 | 13 | -0.05 | 17 | -0.02 |
| Thickness of Unsaturated zone 1 | | 12 | -0.06 | 13 | -0.02 | 11 | -0.06 | 16 | -0.02 |
| Runoff coefficient | | 16 | -0.02 | 17 | -0.01 | 10 | -0.06 | 15 | -0.02 |
| Wind Speed | | 19 | 0.00 | 19 | 0.00 | 8 | -0.08 | 14 | -0.03 |
| Well pump intake depth | | 18 | 0.00 | 18 | 0.00 | 5 | 0.09 | 11 | 0.03 |
| External gamma shielding factor | | 8 | 0.09 | 11 | 0.03 | 16 | 0.02 | 18 | 0.01 |
| Inhalation rate | | 10 | 0.08 | 12 | 0.03 | 17 | 0.02 | 19 | 0.01 |
| Soil ingestion | | 1 | 0.81 | 3 | 0.56 | 3 | 0.82 | 3 | 0.50 |
| Thickness of Unsaturated zone 2 | | 14 | 0.04 | 14 | 0.01 | 6 | 0.08 | 12 | 0.03 |
| Thickness of contaminated zone | | 3 | 0.78 | 5 | 0.51 | 1 | 0.84 | 1 | 0.55 |
| Depth of soil mixing layer | | 2 | -0.80 | 4 | -0.54 | 2 | -0.83 | 2 | -0.54 |
| Mass loading for inhalation | | 5 | 0.12 | 7 | 0.05 | 4 | 0.10 | 10 | 0.04 |
| Kd of Co-60 in Contaminated Zone | | 17 | 0.01 | 16 | 0.01 | 15 | 0.03 | 7 | 0.05 |
| Kd of Co-60 in Unsaturated Zone 1 | | 13 | -0.05 | 9 | -0.04 | 12 | 0.05 | 9 | 0.05 |
| Kd of Co-60 in Unsaturated Zone 2 | | 6 | 0.09 | 8 | 0.04 | 14 | 0.05 | 6 | 0.05 |
| Kd of Co-60 in Saturated Zone | | 4 | 0.14 | 6 | 0.06 | 9 | 0.06 | 4 | 0.07 |
| Aquatic food | | 7 | -0.09 | 10 | -0.04 | 7 | -0.08 | 13 | -0.03 |
| Indoor time fraction | | 9 | -0.08 | 1 | -0.69 | 19 | -0.01 | 8 | -0.05 |
| Outdoor time fraction | | 11 | -0.08 | 2 | -0.66 | 18 | -0.01 | 5 | -0.06 |
| 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 Soil Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 9 0.14 | 12 0.05 | 15 -0.02 | 16 -0.01 |
| Thickness of Unsaturated zone 1 | 7 0.17 | 11 0.07 | 4 0.32 | 5 0.11 |
| Runoff coefficient | 6 0.18 | 10 0.07 | 5 0.17 | 9 0.05 |
| Wind Speed | 13 -0.05 | 15 -0.02 | 10 0.05 | 12 0.02 |
| Well pump intake depth | 18 -0.03 | 18 -0.01 | 14 0.04 | 15 0.01 |
| External gamma shielding factor | 16 0.04 | 16 0.02 | 13 -0.04 | 14 -0.01 |
| Inhalation rate | 11 -0.08 | 13 -0.03 | 17 -0.02 | 17 -0.01 |
| Soil ingestion | 2 0.81 | 3 0.53 | 2 0.85 | 2 0.51 |
| Thickness of Unsaturated zone 2 | 12 -0.05 | 14 -0.02 | 8 -0.08 | 11 -0.03 |
| Thickness of contaminated zone | 1 0.81 | 1 0.56 | 1 0.88 | 1 0.60 |
| Depth of soil mixing layer | 3 -0.80 | 2 -0.54 | 3 -0.84 | 3 -0.50 |
| Mass loading for inhalation | 4 0.21 | 9 0.09 | 18 0.00 | 19 0.00 |
| Kd of Co-60 in Contaminated Zone | 8 0.16 | 6 0.15 | 6 0.15 | 4 0.24 |
| Kd of Co-60 in Unsaturated Zone 1 | 5 -0.20 | 7 -0.09 | 9 -0.07 | 8 -0.06 |
| Kd of Co-60 in Unsaturated Zone 2 | 10 -0.10 | 8 -0.09 | 7 -0.11 | 6 -0.09 |
| Kd of Co-60 in Saturated Zone | 17 0.04 | 17 0.01 | 12 -0.04 | 10 -0.04 |
| Aquatic food | 19 0.00 | 19 0.00 | 11 -0.05 | 13 -0.02 |
| Indoor time fraction | 14 0.05 | 4 0.28 | 16 0.02 | 7 0.09 |
| Outdoor time fraction | 15 0.04 | 5 0.26 | 19 0.00 | 18 0.00 |
| R-SQUARE | 0.86 | 0.86 | 0.90 | 0.90 |

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

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

| Coefficients for peak Soil Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig |
| Depth of roots | 16 | 0.02 | 16 | 0.01 | 17 | -0.04 | 17 | -0.01 | |
| Thickness of Unsaturated zone 1 | 14 | 0.02 | 14 | 0.01 | 15 | -0.04 | 15 | -0.01 | |
| Runoff coefficient | 15 | -0.02 | 15 | -0.01 | 14 | 0.05 | 14 | 0.01 | |
| Wind Speed | 9 | 0.09 | 9 | 0.05 | 19 | 0.00 | 19 | 0.00 | |
| Well pump intake depth | 8 | 0.14 | 8 | 0.07 | 9 | 0.09 | 12 | 0.03 | |
| External gamma shielding factor | 12 | 0.04 | 12 | 0.02 | 13 | -0.05 | 13 | -0.02 | |
| Inhalation rate | 13 | 0.04 | 13 | 0.02 | 16 | -0.04 | 16 | -0.01 | |
| Soil ingestion | 1 | 0.75 | 3 | 0.55 | 3 | 0.87 | 4 | 0.56 | |
| Thickness of Unsaturated zone 2 | 10 | 0.07 | 10 | 0.04 | 7 | 0.11 | 11 | 0.03 | |
| Thickness of contaminated zone | 3 | 0.70 | 5 | 0.46 | 1 | 0.88 | 3 | 0.58 | |
| Depth of soil mixing layer | 2 | -0.73 | 4 | -0.50 | 2 | -0.87 | 5 | -0.55 | |
| Mass loading for inhalation | 7 | 0.17 | 7 | 0.08 | 5 | 0.14 | 9 | 0.04 | |
| Kd of Co-60 in Contaminated Zone | 19 | 0.00 | 19 | 0.00 | 18 | 0.01 | 18 | 0.01 | |
| Kd of Co-60 in Unsaturated Zone 1 | 6 | 0.17 | 6 | 0.09 | 10 | 0.09 | 6 | 0.07 | |
| Kd of Co-60 in Unsaturated Zone 2 | 18 | 0.00 | 18 | 0.00 | 11 | 0.07 | 7 | 0.06 | |
| Kd of Co-60 in Saturated Zone | 11 | 0.04 | 11 | 0.02 | 12 | 0.05 | 10 | 0.04 | |
| Aquatic food | 17 | -0.01 | 17 | 0.00 | 4 | 0.14 | 8 | 0.04 | |
| Indoor time fraction | 4 | -0.19 | 1 | -1.49 | 6 | -0.12 | 1 | -0.67 | |
| Outdoor time fraction | 5 | -0.18 | 2 | -1.43 | 8 | -0.11 | 2 | -0.61 | |
| 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 Water Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|-----|-------|-----|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 1 | | 1 | | 1 | | 1 | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 13 | -0.04 | 15 | -0.04 | 12 | -0.06 | 14 | -0.05 |
| Thickness of Unsaturated zone 1 | | 17 | -0.01 | 19 | -0.01 | 19 | -0.03 | 19 | -0.03 |
| Runoff coefficient | | 9 | -0.07 | 12 | -0.06 | 5 | -0.17 | 7 | -0.13 |
| Wind Speed | | 4 | -0.10 | 5 | -0.09 | 9 | -0.10 | 11 | -0.08 |
| Well pump intake depth | | 2 | 0.14 | 3 | 0.13 | 18 | -0.03 | 18 | -0.03 |
| External gamma shielding factor | | 7 | -0.08 | 8 | -0.08 | 8 | -0.10 | 10 | -0.08 |
| Inhalation rate | | 11 | -0.04 | 14 | -0.04 | 7 | 0.11 | 9 | 0.09 |
| Soil ingestion | | 10 | -0.05 | 13 | -0.05 | 17 | -0.04 | 17 | -0.03 |
| Thickness of Unsaturated zone 2 | | 5 | -0.09 | 6 | -0.09 | 6 | -0.14 | 8 | -0.11 |
| Thickness of contaminated zone | | 3 | -0.12 | 4 | -0.12 | 11 | 0.07 | 13 | 0.05 |
| Depth of soil mixing layer | | 1 | 0.17 | 2 | 0.16 | 16 | -0.05 | 16 | -0.04 |
| Mass loading for inhalation | | 14 | 0.02 | 17 | 0.02 | 15 | 0.06 | 15 | 0.05 |
| Kd of Co-60 in Contaminated Zone | | 12 | -0.04 | 11 | -0.06 | 4 | 0.29 | 1 | 1.31 |
| Kd of Co-60 in Unsaturated Zone 1 | | 18 | -0.01 | 18 | -0.01 | 1 | -0.39 | 5 | -0.85 |
| Kd of Co-60 in Unsaturated Zone 2 | | 8 | -0.08 | 9 | -0.08 | 2 | -0.37 | 4 | -0.99 |
| Kd of Co-60 in Saturated Zone | | 15 | -0.02 | 16 | -0.02 | 3 | -0.33 | 6 | -0.84 |
| Aquatic food | | 6 | 0.09 | 7 | 0.08 | 10 | -0.07 | 12 | -0.06 |
| Indoor time fraction | | 16 | -0.01 | 1 | -0.29 | 13 | -0.06 | 2 | -1.05 |
| Outdoor time fraction | | 19 | 0.00 | 10 | -0.06 | 14 | -0.06 | 3 | -1.03 |
| R-SQUARE | | | 0.14 | | 0.14 | | 0.39 | | 0.39 |

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

Coefficients for peak Water Ingestion Dose
 Coefficient =
 Repetition =

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 10 0.08 | 10 0.07 | 4 0.16 | 9 0.14 |
| Thickness of Unsaturated zone 1 | 1 -0.22 | 5 -0.21 | 15 -0.07 | 15 -0.06 |
| Runoff coefficient | 17 0.02 | 17 0.02 | 19 -0.02 | 19 -0.02 |
| Wind Speed | 14 -0.04 | 14 -0.04 | 17 -0.04 | 17 -0.03 |
| Well pump intake depth | 16 -0.03 | 16 -0.03 | 10 -0.09 | 12 -0.08 |
| External gamma shielding factor | 19 -0.01 | 19 -0.01 | 18 0.03 | 18 0.02 |
| Inhalation rate | 13 -0.05 | 13 -0.04 | 13 -0.08 | 14 -0.07 |
| Soil ingestion | 5 -0.15 | 7 -0.14 | 6 -0.15 | 10 -0.13 |
| Thickness of Unsaturated zone 2 | 12 -0.05 | 12 -0.05 | 3 -0.17 | 7 -0.15 |
| Thickness of contaminated zone | 11 0.05 | 11 0.05 | 5 0.16 | 8 0.14 |
| Depth of soil mixing layer | 4 -0.17 | 6 -0.17 | 12 0.08 | 13 0.07 |
| Mass loading for inhalation | 15 0.03 | 15 0.03 | 8 -0.11 | 11 -0.10 |
| Kd of Co-60 in Contaminated Zone | 6 0.13 | 3 0.29 | 9 0.11 | 4 0.45 |
| Kd of Co-60 in Unsaturated Zone 1 | 7 -0.12 | 8 -0.13 | 2 -0.17 | 5 -0.38 |
| Kd of Co-60 in Unsaturated Zone 2 | 8 -0.11 | 4 -0.25 | 1 -0.23 | 3 -0.53 |
| Kd of Co-60 in Saturated Zone | 18 -0.01 | 18 -0.01 | 7 -0.13 | 6 -0.30 |
| Aquatic food | 9 -0.10 | 9 -0.09 | 16 0.06 | 16 0.05 |
| Indoor time fraction | 3 0.19 | 2 2.74 | 11 -0.09 | 1 -1.18 |
| Outdoor time fraction | 2 0.20 | 1 2.95 | 14 -0.08 | 2 -1.04 |
| R-SQUARE | 0.17 | 0.17 | 0.28 | 0.28 |

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

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

| Coefficients for peak Water Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 4 | -0.14 | 4 | -0.13 | 14 | 0.05 | 14 | 0.04 |
| Thickness of Unsaturated zone 1 | | 13 | 0.02 | 14 | 0.02 | 3 | 0.20 | 7 | 0.16 |
| Runoff coefficient | | 16 | 0.01 | 18 | 0.01 | 6 | -0.16 | 9 | -0.12 |
| Wind Speed | | 2 | -0.16 | 2 | -0.16 | 17 | 0.02 | 17 | 0.01 |
| Well pump intake depth | | 12 | 0.03 | 13 | 0.03 | 10 | 0.09 | 11 | 0.07 |
| External gamma shielding factor | | 3 | -0.15 | 3 | -0.15 | 18 | 0.02 | 18 | 0.01 |
| Inhalation rate | | 11 | 0.05 | 12 | 0.05 | 12 | 0.08 | 12 | 0.07 |
| Soil ingestion | | 8 | -0.06 | 9 | -0.06 | 15 | -0.03 | 15 | -0.03 |
| Thickness of Unsaturated zone 2 | | 15 | 0.01 | 17 | 0.01 | 4 | -0.18 | 8 | -0.15 |
| Thickness of contaminated zone | | 1 | 0.20 | 1 | 0.19 | 16 | 0.03 | 16 | 0.02 |
| Depth of soil mixing layer | | 6 | 0.07 | 7 | 0.07 | 8 | -0.11 | 10 | -0.09 |
| Mass loading for inhalation | | 5 | 0.08 | 6 | 0.08 | 19 | -0.01 | 19 | -0.01 |
| Kd of Co-60 in Contaminated Zone | | 14 | -0.01 | 15 | -0.02 | 7 | 0.14 | 5 | 0.50 |
| Kd of Co-60 in Unsaturated Zone 1 | | 9 | -0.05 | 10 | -0.06 | 2 | -0.29 | 4 | -0.60 |
| Kd of Co-60 in Unsaturated Zone 2 | | 18 | 0.00 | 19 | 0.00 | 1 | -0.30 | 3 | -0.62 |
| Kd of Co-60 in Saturated Zone | | 10 | -0.05 | 11 | -0.05 | 5 | -0.16 | 6 | -0.31 |
| Aquatic food | | 7 | -0.06 | 8 | -0.06 | 13 | 0.08 | 13 | 0.06 |
| Indoor time fraction | | 17 | 0.01 | 5 | 0.08 | 9 | -0.09 | 1 | -1.37 |
| Outdoor time fraction | | 19 | 0.00 | 16 | -0.01 | 11 | -0.09 | 2 | -1.31 |
| R-SQUARE | | 0.13 | | 0.13 | | 0.40 | | 0.40 | |

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

| Coefficients for peak Fish Ingestion Dose | | PCC | SRC | PRCC | SRRC |
|---|-----------|-----------|-----------|-----------|------|
| Coefficient = | | 1 | 1 | 1 | 1 |
| Repetition = | | | | | |
| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff | |
| Depth of roots | 13 -0.04 | 15 -0.04 | 12 -0.06 | 14 -0.05 | |
| Thickness of Unsaturated zone 1 | 17 -0.01 | 19 -0.01 | 19 -0.03 | 19 -0.03 | |
| Runoff coefficient | 9 -0.07 | 12 -0.06 | 5 -0.17 | 7 -0.13 | |
| Wind Speed | 4 -0.10 | 5 -0.09 | 9 -0.10 | 11 -0.08 | |
| Well pump intake depth | 2 0.14 | 3 0.13 | 18 -0.03 | 18 -0.03 | |
| External gamma shielding factor | 7 -0.08 | 8 -0.08 | 8 -0.10 | 10 -0.08 | |
| Inhalation rate | 11 -0.04 | 14 -0.04 | 7 0.11 | 9 0.09 | |
| Soil ingestion | 10 -0.05 | 13 -0.05 | 17 -0.04 | 17 -0.03 | |
| Thickness of Unsaturated zone 2 | 5 -0.09 | 6 -0.09 | 6 -0.14 | 8 -0.11 | |
| Thickness of contaminated zone | 3 -0.12 | 4 -0.12 | 11 0.07 | 13 0.05 | |
| Depth of soil mixing layer | 1 0.17 | 2 0.16 | 16 -0.05 | 16 -0.04 | |
| Mass loading for inhalation | 14 0.02 | 17 0.02 | 15 0.06 | 15 0.05 | |
| Kd of Co-60 in Contaminated Zone | 12 -0.04 | 11 -0.06 | 4 0.29 | 1 1.31 | |
| Kd of Co-60 in Unsaturated Zone 1 | 18 -0.01 | 18 -0.01 | 1 -0.39 | 5 -0.85 | |
| Kd of Co-60 in Unsaturated Zone 2 | 8 -0.08 | 9 -0.08 | 2 -0.37 | 4 -0.99 | |
| Kd of Co-60 in Saturated Zone | 15 -0.02 | 16 -0.02 | 3 -0.33 | 6 -0.84 | |
| Aquatic food | 6 0.09 | 7 0.08 | 10 -0.07 | 12 -0.06 | |
| Indoor time fraction | 16 -0.01 | 1 -0.29 | 13 -0.06 | 2 -1.05 | |
| Outdoor time fraction | 19 0.00 | 10 -0.06 | 14 -0.06 | 3 -1.03 | |
| R-SQUARE | 0.14 | 0.14 | 0.39 | 0.39 | |

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

| Coefficients for peak Fish Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 2 | | 2 | | 2 | | 2 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 10 | 0.08 | 10 | 0.07 | 4 | 0.16 | 9 | 0.14 |
| Thickness of Unsaturated zone 1 | | 1 | -0.22 | 5 | -0.21 | 15 | -0.07 | 19 | -0.06 |
| Runoff coefficient | | 17 | 0.02 | 17 | 0.02 | 19 | -0.02 | 19 | -0.02 |
| Wind Speed | | 14 | -0.04 | 14 | -0.04 | 17 | -0.04 | 17 | -0.03 |
| Well pump intake depth | | 16 | -0.03 | 16 | -0.03 | 10 | -0.09 | 12 | -0.08 |
| External gamma shielding factor | | 19 | -0.01 | 19 | -0.01 | 18 | 0.03 | 18 | 0.02 |
| Inhalation rate | | 13 | -0.05 | 13 | -0.04 | 13 | -0.08 | 14 | -0.07 |
| Soil ingestion | | 5 | -0.15 | 7 | -0.14 | 6 | -0.15 | 10 | -0.13 |
| Thickness of Unsaturated zone 2 | | 12 | -0.05 | 12 | -0.05 | 3 | -0.17 | 7 | -0.15 |
| Thickness of contaminated zone | | 11 | 0.05 | 11 | 0.05 | 5 | 0.16 | 8 | 0.14 |
| Depth of soil mixing layer | | 4 | -0.17 | 6 | -0.17 | 12 | 0.08 | 13 | 0.07 |
| Mass loading for inhalation | | 15 | 0.03 | 15 | 0.03 | 8 | -0.11 | 11 | -0.10 |
| Kd of Co-60 in Contaminated Zone | | 6 | 0.13 | 3 | 0.29 | 9 | 0.11 | 4 | 0.45 |
| Kd of Co-60 in Unsaturated Zone 1 | | 7 | -0.12 | 8 | -0.13 | 2 | -0.17 | 5 | -0.38 |
| Kd of Co-60 in Unsaturated Zone 2 | | 8 | -0.11 | 4 | -0.25 | 1 | -0.23 | 3 | -0.53 |
| Kd of Co-60 in Saturated Zone | | 18 | -0.01 | 18 | -0.01 | 7 | -0.13 | 6 | -0.30 |
| Aquatic food | | 9 | -0.10 | 9 | -0.09 | 16 | 0.06 | 16 | 0.05 |
| Indoor time fraction | | 3 | 0.19 | 2 | 2.74 | 11 | -0.09 | 1 | -1.18 |
| Outdoor time fraction | | 2 | 0.20 | 1 | 2.95 | 14 | -0.08 | 2 | -1.04 |
| R-SQUARE | | 0.17 | | 0.17 | | 0.28 | | 0.28 | |

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

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

| Coefficients for peak Fish Ingestion Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|---|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 4 | -0.14 | 4 | -0.13 | 14 | 0.05 | 14 | 0.04 |
| Thickness of Unsaturated zone 1 | 1 | 13 | 0.02 | 14 | 0.02 | 3 | 0.20 | 7 | 0.16 |
| Runoff coefficient | | 16 | 0.01 | 18 | 0.01 | 6 | -0.16 | 9 | -0.12 |
| Wind Speed | | 2 | -0.16 | 2 | -0.16 | 17 | 0.02 | 17 | 0.01 |
| Well pump intake depth | | 12 | 0.03 | 13 | 0.03 | 10 | 0.09 | 11 | 0.07 |
| External gamma shielding factor | | 3 | -0.15 | 3 | -0.15 | 18 | 0.02 | 18 | 0.01 |
| Inhalation rate | | 11 | 0.05 | 12 | 0.05 | 12 | 0.08 | 12 | 0.07 |
| Soil ingestion | | 8 | -0.06 | 9 | -0.06 | 15 | -0.03 | 15 | -0.03 |
| Thickness of Unsaturated zone 2 | 2 | 15 | 0.01 | 17 | 0.01 | 4 | -0.18 | 8 | -0.15 |
| Thickness of contaminated zone | | 1 | 0.20 | 1 | 0.19 | 16 | 0.03 | 16 | 0.02 |
| Depth of soil mixing layer | | 6 | 0.07 | 7 | 0.07 | 8 | -0.11 | 10 | -0.09 |
| Mass loading for inhalation | | 5 | 0.08 | 6 | 0.08 | 19 | -0.01 | 19 | -0.01 |
| Kd of Co-60 in Contaminated Zone | | 14 | -0.01 | 15 | -0.02 | 7 | 0.14 | 5 | 0.50 |
| Kd of Co-60 in Unsaturated Zone 1 | 1 | 9 | -0.05 | 10 | -0.06 | 2 | -0.29 | 4 | -0.60 |
| Kd of Co-60 in Unsaturated Zone 2 | 2 | 18 | 0.00 | 19 | 0.00 | 1 | -0.30 | 3 | -0.62 |
| Kd of Co-60 in Saturated Zone | | 10 | -0.05 | 11 | -0.05 | 5 | -0.16 | 6 | -0.31 |
| Aquatic food | | 7 | -0.06 | 8 | -0.06 | 13 | 0.08 | 13 | 0.06 |
| Indoor time fraction | | 17 | 0.01 | 5 | 0.08 | 9 | -0.09 | 1 | -1.37 |
| Outdoor time fraction | | 19 | 0.00 | 16 | -0.01 | 11 | -0.09 | 2 | -1.31 |
| R-SQUARE | | 0.13 | | 0.13 | | 0.40 | | 0.40 | |

-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient 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 | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | | | | | | | | |
| 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Thickness of Unsaturated zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

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

PCC SRC PRCC SRRC
 3 3 3 3

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Thickness of Unsaturated zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

| Coefficients for peak Plant (WaterDep.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|--|-----|-------|-----|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | 1 | | 1 | | 1 | | 1 | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 13 | -0.04 | 15 | -0.04 | 12 | -0.06 | 14 | -0.05 |
| Thickness of Unsaturated zone 1 | | 17 | -0.01 | 19 | -0.01 | 19 | -0.03 | 19 | -0.03 |
| Runoff coefficient | | 9 | -0.07 | 12 | -0.06 | 5 | -0.17 | 7 | -0.13 |
| Wind Speed | | 4 | -0.10 | 5 | -0.09 | 9 | -0.10 | 11 | -0.08 |
| Well pump intake depth | | 2 | 0.14 | 3 | 0.13 | 18 | -0.03 | 18 | -0.03 |
| External gamma shielding factor | | 7 | -0.08 | 8 | -0.08 | 8 | -0.10 | 10 | -0.08 |
| Inhalation rate | | 11 | -0.04 | 14 | -0.04 | 7 | 0.11 | 9 | 0.09 |
| Soil ingestion | | 10 | -0.05 | 13 | -0.05 | 17 | -0.04 | 17 | -0.03 |
| Thickness of Unsaturated zone 2 | | 5 | -0.09 | 6 | -0.09 | 6 | -0.14 | 8 | -0.11 |
| Thickness of contaminated zone | | 3 | -0.12 | 4 | -0.12 | 11 | 0.07 | 13 | 0.05 |
| Depth of soil mixing layer | | 1 | 0.17 | 2 | 0.16 | 16 | -0.05 | 16 | -0.04 |
| Mass loading for inhalation | | 14 | 0.02 | 17 | 0.02 | 15 | 0.06 | 15 | 0.05 |
| Kd of Co-60 in Contaminated Zone | | 12 | -0.04 | 11 | -0.06 | 4 | 0.29 | 1 | 1.31 |
| Kd of Co-60 in Unsaturated Zone 1 | | 18 | -0.01 | 18 | -0.01 | 1 | -0.39 | 5 | -0.85 |
| Kd of Co-60 in Unsaturated Zone 2 | | 8 | -0.08 | 9 | -0.08 | 2 | -0.37 | 4 | -0.99 |
| Kd of Co-60 in Saturated Zone | | 15 | -0.02 | 16 | -0.02 | 3 | -0.33 | 6 | -0.84 |
| Aquatic food | | 6 | 0.09 | 7 | 0.08 | 10 | -0.07 | 12 | -0.06 |
| Indoor time fraction | | 16 | -0.01 | 1 | -0.29 | 13 | -0.06 | 2 | -1.05 |
| Outdoor time fraction | | 19 | 0.00 | 10 | -0.06 | 14 | -0.06 | 3 | -1.03 |
| R-SQUARE | | | 0.14 | | 0.14 | | 0.39 | | 0.39 |

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

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

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 10 0.08 | 10 0.07 | 4 0.16 | 9 0.14 |
| Thickness of Unsaturated zone 1 | 1 -0.22 | 5 -0.21 | 15 -0.07 | 15 -0.06 |
| Runoff coefficient | 17 0.02 | 17 0.02 | 19 -0.02 | 19 -0.02 |
| Wind Speed | 14 -0.04 | 14 -0.04 | 17 -0.04 | 17 -0.03 |
| Well pump intake depth | 16 -0.03 | 16 -0.03 | 10 -0.09 | 12 -0.08 |
| External gamma shielding factor | 19 -0.01 | 19 -0.01 | 18 0.03 | 18 0.02 |
| Inhalation rate | 13 -0.05 | 13 -0.04 | 13 -0.08 | 14 -0.07 |
| Soil ingestion | 5 -0.15 | 7 -0.14 | 6 -0.15 | 10 -0.13 |
| Thickness of Unsaturated zone 2 | 12 -0.05 | 12 -0.05 | 3 -0.17 | 7 -0.15 |
| Thickness of contaminated zone | 11 0.05 | 11 0.05 | 5 0.16 | 8 0.14 |
| Depth of soil mixing layer | 4 -0.17 | 6 -0.17 | 12 0.08 | 13 0.07 |
| Mass loading for inhalation | 15 0.03 | 15 0.03 | 8 -0.11 | 11 -0.10 |
| Kd of Co-60 in Contaminated Zone | 6 0.13 | 3 0.29 | 9 0.11 | 4 0.45 |
| Kd of Co-60 in Unsaturated Zone 1 | 7 -0.12 | 8 -0.13 | 2 -0.17 | 5 -0.38 |
| Kd of Co-60 in Unsaturated Zone 2 | 8 -0.11 | 4 -0.25 | 1 -0.23 | 3 -0.53 |
| Kd of Co-60 in Saturated Zone | 18 -0.01 | 18 -0.01 | 7 -0.13 | 6 -0.30 |
| Aquatic food | 9 -0.10 | 9 -0.09 | 16 0.06 | 16 0.05 |
| Indoor time fraction | 3 0.19 | 2 2.74 | 11 -0.09 | 1 -1.18 |
| Outdoor time fraction | 2 0.20 | 1 2.95 | 14 -0.08 | 2 -1.04 |
| R-SQUARE | 0.17 | 0.17 | 0.28 | 0.28 |

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

| Coefficients for peak Plant (WaterDep.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|--|---|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 4 | -0.14 | 4 | -0.13 | 14 | 0.05 | 14 | 0.04 |
| Thickness of Unsaturated zone 1 | 1 | 13 | 0.02 | 14 | 0.02 | 3 | 0.20 | 7 | 0.16 |
| Runoff coefficient | | 16 | 0.01 | 18 | 0.01 | 6 | -0.16 | 9 | -0.12 |
| Wind Speed | | 2 | -0.16 | 2 | -0.16 | 17 | 0.02 | 17 | 0.01 |
| Well pump intake depth | | 12 | 0.03 | 13 | 0.03 | 10 | 0.09 | 11 | 0.07 |
| External gamma shielding factor | | 3 | -0.15 | 3 | -0.15 | 18 | 0.02 | 18 | 0.01 |
| Inhalation rate | | 11 | 0.05 | 12 | 0.05 | 12 | 0.08 | 12 | 0.07 |
| Soil ingestion | | 8 | -0.06 | 9 | -0.06 | 15 | -0.03 | 15 | -0.03 |
| Thickness of Unsaturated zone 2 | 2 | 15 | 0.01 | 17 | 0.01 | 4 | -0.18 | 8 | -0.15 |
| Thickness of contaminated zone | | 1 | 0.20 | 1 | 0.19 | 16 | 0.03 | 16 | 0.02 |
| Depth of soil mixing layer | | 6 | 0.07 | 7 | 0.07 | 8 | -0.11 | 10 | -0.09 |
| Mass loading for inhalation | | 5 | 0.08 | 6 | 0.08 | 19 | -0.01 | 19 | -0.01 |
| Kd of Co-60 in Contaminated Zone | | 14 | -0.01 | 15 | -0.02 | 7 | 0.14 | 5 | 0.50 |
| Kd of Co-60 in Unsaturated Zone 1 | 1 | 9 | -0.05 | 10 | -0.06 | 2 | -0.29 | 4 | -0.60 |
| Kd of Co-60 in Unsaturated Zone 2 | 2 | 18 | 0.00 | 19 | 0.00 | 1 | -0.30 | 3 | -0.62 |
| Kd of Co-60 in Saturated Zone | | 10 | -0.05 | 11 | -0.05 | 5 | -0.16 | 6 | -0.31 |
| Aquatic food | | 7 | -0.06 | 8 | -0.06 | 13 | 0.08 | 13 | 0.06 |
| Indoor time fraction | | 17 | 0.01 | 5 | 0.08 | 9 | -0.09 | 1 | -1.37 |
| Outdoor time fraction | | 19 | 0.00 | 16 | -0.01 | 11 | -0.09 | 2 | -1.31 |
| R-SQUARE | | 0.13 | | 0.13 | | 0.40 | | 0.40 | |

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

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

| Coefficients for peak Meat (WaterDep.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 1 | | 1 | | 1 | | 1 | |
| Repetition = | | | | | | | | | |
| 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 |

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

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

| Coefficients for peak Meat (WaterDep.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| Description of Probabilistic Variable | | Sig | Coeff | Sig | Coeff | Sig | Coeff | Sig | Coeff |
| Depth of roots | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Thickness of Unsaturated zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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

PCC SRC PRCC SRRC
 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

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

PCC SRC PRCC SRRC
 2 2 2 2

| Description of Probabilistic Variable | Sig Coeff | Sig Coeff | Sig Coeff | Sig Coeff |
|---------------------------------------|-----------|-----------|-----------|-----------|
| Depth of roots | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Thickness of Unsaturated zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Kd of Co-60 in Saturated Zone | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Aquatic food | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Indoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| Outdoor time fraction | 0 0.00 | 0 0.00 | 0 0.00 | 0 0.00 |
| R-SQUARE | 0.00 | 0.00 | 0.00 | 0.00 |

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

| Coefficients for peak Milk (WaterDep.) Dose | | PCC | | SRC | | PRCC | | SRRC | |
|---|--|------|-------|------|-------|------|-------|------|-------|
| Coefficient = | | 3 | | 3 | | 3 | | 3 | |
| Repetition = | | | | | | | | | |
| 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 Unsaturated 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 |
| 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 |
| Kd of Co-60 in Contaminated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 1 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Unsaturated Zone 2 | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Kd of Co-60 in Saturated Zone | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Aquatic food | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Indoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| Outdoor time fraction | | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| R-SQUARE | | 0.00 | | 0.00 | | 0.00 | | 0.00 | |

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

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