

APPENDIX A

**COMPUTER OUTPUT OF TIME-INTEGRATED CONCENTRATIONS AND
LIFETIME CANCER INCIDENCE RISKS**

ROUTINE.FOR A.S. ROOD 12/15/97
 TIME: 17:00:05.61
 DATE: 08/14/98
 INPUT FILE: beryl.par
 OUTPUT FILE: beryl.out

 Beryllium risk from normal operations 8/29/97 updated 10/29/97

Units Source: mg/y
 Units Risk Factors: kg-d/mg
 Input Values

 Number of receptors: 10
 risk type: 2
 risk factor dist 1
 Number of simulation 2000
 Number of years 32
 Number of sources: 2
 Source type: 1 Lognormal
 X/Q Values for Source (s/m**3) 1
 2.100E-07 3.400E-09 4.500E-08 3.800E-08 1.300E-08 5.200E-09 3.000E-09 1.800E-08
 1.500E-09 2.900E-06
 X/Q Values for Source (s/m**3) 2
 2.800E-07 3.400E-09 5.200E-08 3.800E-08 1.400E-08 5.200E-09 7.000E-09 1.700E-08
 1.400E-09 6.300E-06

Source Files
 bldg444.src bldg776.src
 Location of Exposure Scenario by Activity

| Scenario | Occupa | Non-Occupa |
|----------------|--------|------------|
| Rancher | 1 | 1 |
| Office Worker | 2 | 3 |
| Housewife | 3 | 3 |
| Retiree | 8 | 8 |
| Const Worker | 5 | 6 |
| Infant | 3 | 3 |
| Child (2-6) | 3 | 3 |
| Student (7-18) | 4 | 3 |
| Other | 6 | 4 |

Breathing Rates by Activity (m3/h)

| Scenario | Occupa | Non-Occupa | Sleeping |
|----------------|-----------|------------|-----------|
| Rancher | 2.620E+00 | 1.210E+00 | 4.500E-01 |
| Office Worker | 1.040E+00 | 1.000E+00 | 3.200E-01 |
| Housewife | 1.330E+00 | 1.060E+00 | 3.200E-01 |
| Retiree | 1.020E+00 | 1.210E+00 | 4.500E-01 |
| Const Worker | 1.940E+00 | 1.280E+00 | 4.500E-01 |
| Infant | 3.300E-01 | 4.500E-01 | 1.400E-01 |
| Child (2-6) | 4.900E-01 | 1.040E+00 | 2.300E-01 |
| Student (7-18) | 7.900E-01 | 1.280E+00 | 3.300E-01 |
| Other | 1.940E+00 | 1.280E+00 | 4.500E-01 |

Hours per Year at Each Activity

| Scenario | Occupa | Non-Occupa | Sleeping |
|----------------|-----------|------------|-----------|
| Rancher | 2.800E+03 | 2.800E+03 | 2.800E+03 |
| Office Worker | 2.000E+03 | 3.600E+03 | 2.800E+03 |
| Housewife | 2.800E+03 | 2.800E+03 | 2.800E+03 |
| Retiree | 2.800E+03 | 2.800E+03 | 2.800E+03 |
| Const Worker | 2.000E+03 | 3.600E+03 | 2.800E+03 |
| Infant | 2.450E+03 | 3.500E+02 | 5.600E+03 |
| Child (2-6) | 2.975E+03 | 5.250E+02 | 4.900E+03 |
| Student (7-18) | 1.750E+03 | 3.150E+03 | 3.500E+03 |
| Other | 2.000E+03 | 3.600E+03 | 2.800E+03 |

Start and End of Exposure for Each Exposure Scenario

| Scenario | Start Time | End Time |
|----------------|------------|----------|
| Rancher | 1 | 32 |
| Office Worker | 18 | 32 |
| Housewife | 1 | 32 |
| Retiree | 21 | 32 |
| Const Worker | 17 | 32 |
| Infant | 1 | 2 |
| Child (2-6) | 3 | 8 |
| Student (7-18) | 9 | 19 |
| Other | 1 | 22 |

Slope Factors (kg-d/mg)

| Scenario | Min | Mode | Max |
|----------------|-----------|-----------|-----------|
| Rancher | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Office Worker | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Housewife | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Retiree | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Const Worker | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Infant | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Child (2-6) | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Student (7-18) | 5.600E-01 | 8.400E+00 | 2.500E+01 |
| Other | 5.600E-01 | 8.400E+00 | 2.500E+01 |

Mean and Std Body Weight (kg)

| Scenario | Mean | Std | Min | Max |
|----------------|-----------|-----------|-----------|-----------|
| Rancher | 7.870E+01 | 0.000E+00 | 4.000E+01 | 1.100E+02 |
| Office Worker | 6.540E+01 | 0.000E+00 | 4.000E+01 | 1.100E+02 |
| Housewife | 6.540E+01 | 0.000E+00 | 4.000E+01 | 1.000E+02 |
| Retiree | 7.840E+01 | 0.000E+00 | 4.000E+01 | 1.100E+02 |
| Const Worker | 7.840E+01 | 0.000E+00 | 4.000E+01 | 1.100E+02 |
| Infant | 9.400E+00 | 0.000E+00 | 6.000E+00 | 1.200E+01 |
| Child (2-6) | 1.580E+01 | 0.000E+00 | 1.100E+01 | 2.200E+01 |
| Student (7-18) | 4.440E+01 | 0.000E+00 | 3.200E+01 | 1.000E+02 |
| Other | 7.870E+01 | 0.000E+00 | 4.000E+01 | 1.100E+02 |

GM and GSD of Dispersion Correction Factor

| Receptor | GM | GSD |
|----------|-----------|-----------|
| 1 | 1.100E+00 | 2.200E+00 |
| 2 | 1.000E+00 | 2.200E+00 |
| 3 | 1.100E+00 | 2.000E+00 |
| 4 | 1.100E+00 | 2.000E+00 |
| 5 | 1.100E+00 | 2.000E+00 |
| 6 | 1.000E+00 | 2.200E+00 |
| 7 | 1.000E+00 | 2.200E+00 |
| 8 | 1.000E+00 | 2.200E+00 |
| 9 | 1.000E+00 | 2.200E+00 |
| 10 | 1.100E+00 | 2.200E+00 |

GM and GSD of Meteorology Correction Factor

1.000E+00 1.700E+00

GM and GSD for Deposition Correction Factor

| Receptor | GM | GSD |
|----------|-----------|-----------|
| 1 | 1.000E+00 | 1.050E+00 |
| 2 | 1.000E+00 | 1.200E+00 |
| 3 | 1.000E+00 | 1.100E+00 |
| 4 | 1.000E+00 | 1.100E+00 |
| 5 | 1.000E+00 | 1.140E+00 |
| 6 | 1.000E+00 | 1.160E+00 |
| 7 | 1.000E+00 | 1.200E+00 |
| 8 | 1.000E+00 | 1.200E+00 |
| 9 | 1.000E+00 | 1.200E+00 |
| 10 | 1.000E+00 | 1.200E+00 |

GM and GSD of Breathing Rate Correction Factor

1.000E+00 1.000E+00

Time-Integrated Conc for Source 1 Scenario 1

Percentile Occupation Nonoccupation

| | | |
|-----------|-----------|-----------|
| 0.000E+00 | 1.521E-10 | 1.521E-10 |
| 5.000E-02 | 9.365E-10 | 9.365E-10 |
| 1.000E-01 | 1.258E-09 | 1.258E-09 |
| 1.500E-01 | 1.532E-09 | 1.532E-09 |
| 2.000E-01 | 1.774E-09 | 1.774E-09 |
| 2.500E-01 | 2.069E-09 | 2.069E-09 |
| 3.000E-01 | 2.292E-09 | 2.292E-09 |
| 3.500E-01 | 2.538E-09 | 2.538E-09 |
| 4.000E-01 | 2.842E-09 | 2.842E-09 |
| 4.500E-01 | 3.159E-09 | 3.159E-09 |
| 5.000E-01 | 3.544E-09 | 3.544E-09 |
| 5.500E-01 | 3.980E-09 | 3.980E-09 |
| 6.000E-01 | 4.424E-09 | 4.424E-09 |
| 6.500E-01 | 4.941E-09 | 4.941E-09 |
| 7.000E-01 | 5.520E-09 | 5.520E-09 |
| 7.500E-01 | 6.207E-09 | 6.207E-09 |

| | | |
|--|-----------|-----------|
| 8.000E-01 | 7.045E-09 | 7.045E-09 |
| 8.500E-01 | 8.132E-09 | 8.132E-09 |
| 9.000E-01 | 1.001E-08 | 1.001E-08 |
| 9.500E-01 | 1.356E-08 | 1.356E-08 |
| 1.000E+00 | 5.590E-08 | 5.590E-08 |
| GM: | 3.558E-09 | 3.558E-09 |
| GSD: | 2.261E+00 | 2.261E+00 |
| Time-Integrated Conc for Source 2 Scenario 1 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 1.311E-10 | 1.311E-10 |
| 5.000E-02 | 7.897E-10 | 7.897E-10 |
| 1.000E-01 | 1.085E-09 | 1.085E-09 |
| 1.500E-01 | 1.324E-09 | 1.324E-09 |
| 2.000E-01 | 1.565E-09 | 1.565E-09 |
| 2.500E-01 | 1.792E-09 | 1.792E-09 |
| 3.000E-01 | 2.035E-09 | 2.035E-09 |
| 3.500E-01 | 2.276E-09 | 2.276E-09 |
| 4.000E-01 | 2.509E-09 | 2.509E-09 |
| 4.500E-01 | 2.841E-09 | 2.841E-09 |
| 5.000E-01 | 3.170E-09 | 3.170E-09 |
| 5.500E-01 | 3.523E-09 | 3.523E-09 |
| 6.000E-01 | 3.923E-09 | 3.923E-09 |
| 6.500E-01 | 4.406E-09 | 4.406E-09 |
| 7.000E-01 | 4.885E-09 | 4.885E-09 |
| 7.500E-01 | 5.559E-09 | 5.559E-09 |
| 8.000E-01 | 6.483E-09 | 6.483E-09 |
| 8.500E-01 | 7.509E-09 | 7.509E-09 |
| 9.000E-01 | 9.044E-09 | 9.044E-09 |
| 9.500E-01 | 1.229E-08 | 1.229E-08 |
| 1.000E+00 | 3.508E-08 | 3.508E-08 |
| GM: | 3.161E-09 | 3.161E-09 |
| GSD: | 2.284E+00 | 2.284E+00 |
| Time-Integrated Conc for Source 1 Scenario 2 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 1.593E-13 | 3.544E-12 |
| 5.000E-02 | 9.741E-13 | 1.587E-11 |
| 1.000E-01 | 1.311E-12 | 2.117E-11 |
| 1.500E-01 | 1.637E-12 | 2.620E-11 |
| 2.000E-01 | 1.950E-12 | 2.996E-11 |
| 2.500E-01 | 2.227E-12 | 3.385E-11 |
| 3.000E-01 | 2.498E-12 | 3.758E-11 |
| 3.500E-01 | 2.737E-12 | 4.132E-11 |
| 4.000E-01 | 3.057E-12 | 4.570E-11 |
| 4.500E-01 | 3.414E-12 | 4.987E-11 |
| 5.000E-01 | 3.829E-12 | 5.476E-11 |
| 5.500E-01 | 4.343E-12 | 6.091E-11 |
| 6.000E-01 | 4.858E-12 | 6.672E-11 |
| 6.500E-01 | 5.389E-12 | 7.386E-11 |
| 7.000E-01 | 6.111E-12 | 8.197E-11 |
| 7.500E-01 | 6.915E-12 | 9.312E-11 |
| 8.000E-01 | 8.048E-12 | 1.048E-10 |
| 8.500E-01 | 9.674E-12 | 1.241E-10 |
| 9.000E-01 | 1.143E-11 | 1.485E-10 |
| 9.500E-01 | 1.518E-11 | 1.927E-10 |
| 1.000E+00 | 5.945E-11 | 5.583E-10 |
| GM: | 3.900E-12 | 5.589E-11 |
| GSD: | 2.313E+00 | 2.116E+00 |
| Time-Integrated Conc for Source 2 Scenario 2 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 1.302E-13 | 3.441E-12 |
| 5.000E-02 | 6.402E-13 | 1.221E-11 |
| 1.000E-01 | 8.735E-13 | 1.621E-11 |
| 1.500E-01 | 1.075E-12 | 1.960E-11 |
| 2.000E-01 | 1.261E-12 | 2.249E-11 |
| 2.500E-01 | 1.460E-12 | 2.519E-11 |
| 3.000E-01 | 1.624E-12 | 2.841E-11 |
| 3.500E-01 | 1.849E-12 | 3.175E-11 |
| 4.000E-01 | 2.038E-12 | 3.471E-11 |
| 4.500E-01 | 2.271E-12 | 3.864E-11 |
| 5.000E-01 | 2.575E-12 | 4.272E-11 |
| 5.500E-01 | 2.879E-12 | 4.719E-11 |
| 6.000E-01 | 3.214E-12 | 5.212E-11 |
| 6.500E-01 | 3.596E-12 | 5.778E-11 |
| 7.000E-01 | 4.071E-12 | 6.381E-11 |

| | | | |
|------|-----------|-----------|-----------|
| | 7.500E-01 | 4.604E-12 | 7.116E-11 |
| | 8.000E-01 | 5.350E-12 | 8.070E-11 |
| | 8.500E-01 | 6.214E-12 | 9.354E-11 |
| | 9.000E-01 | 7.837E-12 | 1.140E-10 |
| | 9.500E-01 | 1.008E-11 | 1.446E-10 |
| | 1.000E+00 | 3.794E-11 | 5.793E-10 |
| GM: | 2.578E-12 | 4.273E-11 | |
| GSD: | 2.323E+00 | 2.125E+00 | |

Time-Integrated Conc for Source 1 Scenario 3

Percentile Occupation Nonoccupation

| | | | |
|------|-----------|-----------|-----------|
| | 0.000E+00 | 6.357E-11 | 6.357E-11 |
| | 5.000E-02 | 2.273E-10 | 2.273E-10 |
| | 1.000E-01 | 2.943E-10 | 2.943E-10 |
| | 1.500E-01 | 3.546E-10 | 3.546E-10 |
| | 2.000E-01 | 4.148E-10 | 4.148E-10 |
| | 2.500E-01 | 4.692E-10 | 4.692E-10 |
| | 3.000E-01 | 5.187E-10 | 5.187E-10 |
| | 3.500E-01 | 5.731E-10 | 5.731E-10 |
| | 4.000E-01 | 6.322E-10 | 6.322E-10 |
| | 4.500E-01 | 6.876E-10 | 6.876E-10 |
| | 5.000E-01 | 7.525E-10 | 7.525E-10 |
| | 5.500E-01 | 8.344E-10 | 8.344E-10 |
| | 6.000E-01 | 9.375E-10 | 9.375E-10 |
| | 6.500E-01 | 1.031E-09 | 1.031E-09 |
| | 7.000E-01 | 1.144E-09 | 1.144E-09 |
| | 7.500E-01 | 1.266E-09 | 1.266E-09 |
| | 8.000E-01 | 1.427E-09 | 1.427E-09 |
| | 8.500E-01 | 1.651E-09 | 1.651E-09 |
| | 9.000E-01 | 1.971E-09 | 1.971E-09 |
| | 9.500E-01 | 2.529E-09 | 2.529E-09 |
| | 1.000E+00 | 8.567E-09 | 8.567E-09 |
| GM: | 7.671E-10 | 7.671E-10 | |
| GSD: | 2.081E+00 | 2.081E+00 | |

Time-Integrated Conc for Source 2 Scenario 3

Percentile Occupation Nonoccupation

| | | | |
|------|-----------|-----------|-----------|
| | 0.000E+00 | 3.899E-11 | 3.899E-11 |
| | 5.000E-02 | 1.738E-10 | 1.738E-10 |
| | 1.000E-01 | 2.253E-10 | 2.253E-10 |
| | 1.500E-01 | 2.722E-10 | 2.722E-10 |
| | 2.000E-01 | 3.120E-10 | 3.120E-10 |
| | 2.500E-01 | 3.549E-10 | 3.549E-10 |
| | 3.000E-01 | 3.981E-10 | 3.981E-10 |
| | 3.500E-01 | 4.392E-10 | 4.392E-10 |
| | 4.000E-01 | 4.887E-10 | 4.887E-10 |
| | 4.500E-01 | 5.387E-10 | 5.387E-10 |
| | 5.000E-01 | 5.911E-10 | 5.911E-10 |
| | 5.500E-01 | 6.477E-10 | 6.477E-10 |
| | 6.000E-01 | 7.093E-10 | 7.093E-10 |
| | 6.500E-01 | 7.802E-10 | 7.802E-10 |
| | 7.000E-01 | 8.720E-10 | 8.720E-10 |
| | 7.500E-01 | 9.658E-10 | 9.658E-10 |
| | 8.000E-01 | 1.104E-09 | 1.104E-09 |
| | 8.500E-01 | 1.280E-09 | 1.280E-09 |
| | 9.000E-01 | 1.519E-09 | 1.519E-09 |
| | 9.500E-01 | 1.965E-09 | 1.965E-09 |
| | 1.000E+00 | 6.723E-09 | 6.723E-09 |
| GM: | 5.885E-10 | 5.885E-10 | |
| GSD: | 2.089E+00 | 2.089E+00 | |

Time-Integrated Conc for Source 1 Scenario 4

Percentile Occupation Nonoccupation

| | | | |
|--|-----------|-----------|-----------|
| | 0.000E+00 | 6.376E-13 | 6.376E-13 |
| | 5.000E-02 | 2.791E-12 | 2.791E-12 |
| | 1.000E-01 | 3.806E-12 | 3.806E-12 |
| | 1.500E-01 | 4.756E-12 | 4.756E-12 |
| | 2.000E-01 | 5.650E-12 | 5.650E-12 |
| | 2.500E-01 | 6.431E-12 | 6.431E-12 |
| | 3.000E-01 | 7.421E-12 | 7.421E-12 |
| | 3.500E-01 | 8.242E-12 | 8.242E-12 |
| | 4.000E-01 | 9.268E-12 | 9.268E-12 |
| | 4.500E-01 | 1.049E-11 | 1.049E-11 |
| | 5.000E-01 | 1.170E-11 | 1.170E-11 |
| | 5.500E-01 | 1.340E-11 | 1.340E-11 |
| | 6.000E-01 | 1.516E-11 | 1.516E-11 |
| | 6.500E-01 | 1.731E-11 | 1.731E-11 |

| | | |
|--|-----------|-----------|
| 7.000E-01 | 1.965E-11 | 1.965E-11 |
| 7.500E-01 | 2.260E-11 | 2.260E-11 |
| 8.000E-01 | 2.627E-11 | 2.627E-11 |
| 8.500E-01 | 3.151E-11 | 3.151E-11 |
| 9.000E-01 | 3.903E-11 | 3.903E-11 |
| 9.500E-01 | 5.547E-11 | 5.547E-11 |
| 1.000E+00 | 7.228E-10 | 7.228E-10 |
| GM: | 1.215E-11 | 1.215E-11 |
| GSD: | 2.494E+00 | 2.494E+00 |
| Time-Integrated Conc for Source 2 Scenario 4 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 3.903E-13 | 3.903E-13 |
| 5.000E-02 | 1.694E-12 | 1.694E-12 |
| 1.000E-01 | 2.358E-12 | 2.358E-12 |
| 1.500E-01 | 2.881E-12 | 2.881E-12 |
| 2.000E-01 | 3.398E-12 | 3.398E-12 |
| 2.500E-01 | 4.003E-12 | 4.003E-12 |
| 3.000E-01 | 4.628E-12 | 4.628E-12 |
| 3.500E-01 | 5.299E-12 | 5.299E-12 |
| 4.000E-01 | 5.915E-12 | 5.915E-12 |
| 4.500E-01 | 6.666E-12 | 6.666E-12 |
| 5.000E-01 | 7.521E-12 | 7.521E-12 |
| 5.500E-01 | 8.508E-12 | 8.508E-12 |
| 6.000E-01 | 9.454E-12 | 9.454E-12 |
| 6.500E-01 | 1.066E-11 | 1.066E-11 |
| 7.000E-01 | 1.207E-11 | 1.207E-11 |
| 7.500E-01 | 1.395E-11 | 1.395E-11 |
| 8.000E-01 | 1.642E-11 | 1.642E-11 |
| 8.500E-01 | 1.963E-11 | 1.963E-11 |
| 9.000E-01 | 2.441E-11 | 2.441E-11 |
| 9.500E-01 | 3.514E-11 | 3.514E-11 |
| 1.000E+00 | 2.500E-10 | 2.500E-10 |
| GM: | 7.559E-12 | 7.559E-12 |
| GSD: | 2.511E+00 | 2.511E+00 |
| Time-Integrated Conc for Source 1 Scenario 5 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 2.019E-12 | 6.183E-13 |
| 5.000E-02 | 5.748E-12 | 1.838E-12 |
| 1.000E-01 | 7.874E-12 | 2.602E-12 |
| 1.500E-01 | 9.468E-12 | 3.188E-12 |
| 2.000E-01 | 1.106E-11 | 3.810E-12 |
| 2.500E-01 | 1.251E-11 | 4.357E-12 |
| 3.000E-01 | 1.415E-11 | 4.952E-12 |
| 3.500E-01 | 1.549E-11 | 5.502E-12 |
| 4.000E-01 | 1.710E-11 | 6.119E-12 |
| 4.500E-01 | 1.887E-11 | 6.970E-12 |
| 5.000E-01 | 2.091E-11 | 7.623E-12 |
| 5.500E-01 | 2.298E-11 | 8.578E-12 |
| 6.000E-01 | 2.528E-11 | 9.570E-12 |
| 6.500E-01 | 2.839E-11 | 1.066E-11 |
| 7.000E-01 | 3.112E-11 | 1.207E-11 |
| 7.500E-01 | 3.467E-11 | 1.345E-11 |
| 8.000E-01 | 3.932E-11 | 1.541E-11 |
| 8.500E-01 | 4.518E-11 | 1.827E-11 |
| 9.000E-01 | 5.462E-11 | 2.246E-11 |
| 9.500E-01 | 7.198E-11 | 2.966E-11 |
| 1.000E+00 | 2.395E-10 | 9.587E-11 |
| GM: | 2.082E-11 | 7.640E-12 |
| GSD: | 2.125E+00 | 2.307E+00 |
| Time-Integrated Conc for Source 2 Scenario 5 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 1.250E-12 | 3.471E-13 |
| 5.000E-02 | 4.376E-12 | 1.255E-12 |
| 1.000E-01 | 5.657E-12 | 1.762E-12 |
| 1.500E-01 | 6.693E-12 | 2.140E-12 |
| 2.000E-01 | 7.824E-12 | 2.471E-12 |
| 2.500E-01 | 9.070E-12 | 2.905E-12 |
| 3.000E-01 | 1.007E-11 | 3.262E-12 |
| 3.500E-01 | 1.101E-11 | 3.645E-12 |
| 4.000E-01 | 1.222E-11 | 4.073E-12 |
| 4.500E-01 | 1.349E-11 | 4.540E-12 |
| 5.000E-01 | 1.480E-11 | 5.089E-12 |
| 5.500E-01 | 1.626E-11 | 5.665E-12 |
| 6.000E-01 | 1.794E-11 | 6.217E-12 |

| | | |
|-----------|-----------|-----------|
| 6.500E-01 | 1.979E-11 | 6.945E-12 |
| 7.000E-01 | 2.184E-11 | 7.737E-12 |
| 7.500E-01 | 2.458E-11 | 8.840E-12 |
| 8.000E-01 | 2.777E-11 | 1.009E-11 |
| 8.500E-01 | 3.202E-11 | 1.167E-11 |
| 9.000E-01 | 3.790E-11 | 1.465E-11 |
| 9.500E-01 | 5.182E-11 | 1.985E-11 |
| 1.000E+00 | 2.146E-10 | 6.444E-11 |
| GM: | 1.487E-11 | 5.068E-12 |
| GSD: | 2.109E+00 | 2.290E+00 |

Time-Integrated Conc for Source 1 Scenario 6
Percentile Occupation Nonoccupation

| | | |
|-----------|-----------|-----------|
| 0.000E+00 | 2.212E-12 | 2.212E-12 |
| 5.000E-02 | 1.290E-11 | 1.290E-11 |
| 1.000E-01 | 1.744E-11 | 1.744E-11 |
| 1.500E-01 | 2.188E-11 | 2.188E-11 |
| 2.000E-01 | 2.604E-11 | 2.604E-11 |
| 2.500E-01 | 3.078E-11 | 3.078E-11 |
| 3.000E-01 | 3.500E-11 | 3.500E-11 |
| 3.500E-01 | 3.944E-11 | 3.944E-11 |
| 4.000E-01 | 4.477E-11 | 4.477E-11 |
| 4.500E-01 | 5.049E-11 | 5.049E-11 |
| 5.000E-01 | 5.618E-11 | 5.618E-11 |
| 5.500E-01 | 6.332E-11 | 6.332E-11 |
| 6.000E-01 | 7.069E-11 | 7.069E-11 |
| 6.500E-01 | 7.932E-11 | 7.932E-11 |
| 7.000E-01 | 8.874E-11 | 8.874E-11 |
| 7.500E-01 | 1.001E-10 | 1.001E-10 |
| 8.000E-01 | 1.149E-10 | 1.149E-10 |
| 8.500E-01 | 1.375E-10 | 1.375E-10 |
| 9.000E-01 | 1.813E-10 | 1.813E-10 |
| 9.500E-01 | 2.598E-10 | 2.598E-10 |
| 1.000E+00 | 1.110E-09 | 1.110E-09 |
| GM: | 5.589E-11 | 5.589E-11 |
| GSD: | 2.469E+00 | 2.469E+00 |

Time-Integrated Conc for Source 2 Scenario 6
Percentile Occupation Nonoccupation

| | | |
|-----------|-----------|-----------|
| 0.000E+00 | 2.230E-12 | 2.230E-12 |
| 5.000E-02 | 9.760E-12 | 9.760E-12 |
| 1.000E-01 | 1.361E-11 | 1.361E-11 |
| 1.500E-01 | 1.755E-11 | 1.755E-11 |
| 2.000E-01 | 2.071E-11 | 2.071E-11 |
| 2.500E-01 | 2.411E-11 | 2.411E-11 |
| 3.000E-01 | 2.734E-11 | 2.734E-11 |
| 3.500E-01 | 3.063E-11 | 3.063E-11 |
| 4.000E-01 | 3.435E-11 | 3.435E-11 |
| 4.500E-01 | 3.815E-11 | 3.815E-11 |
| 5.000E-01 | 4.327E-11 | 4.327E-11 |
| 5.500E-01 | 4.844E-11 | 4.844E-11 |
| 6.000E-01 | 5.422E-11 | 5.422E-11 |
| 6.500E-01 | 6.157E-11 | 6.157E-11 |
| 7.000E-01 | 7.046E-11 | 7.046E-11 |
| 7.500E-01 | 8.098E-11 | 8.098E-11 |
| 8.000E-01 | 9.472E-11 | 9.472E-11 |
| 8.500E-01 | 1.125E-10 | 1.125E-10 |
| 9.000E-01 | 1.425E-10 | 1.425E-10 |
| 9.500E-01 | 1.901E-10 | 1.901E-10 |
| 1.000E+00 | 8.154E-10 | 8.154E-10 |
| GM: | 4.389E-11 | 4.389E-11 |
| GSD: | 2.469E+00 | 2.469E+00 |

Time-Integrated Conc for Source 1 Scenario 7
Percentile Occupation Nonoccupation

| | | |
|-----------|-----------|-----------|
| 0.000E+00 | 8.598E-12 | 8.598E-12 |
| 5.000E-02 | 5.637E-11 | 5.637E-11 |
| 1.000E-01 | 7.434E-11 | 7.434E-11 |
| 1.500E-01 | 9.024E-11 | 9.024E-11 |
| 2.000E-01 | 1.044E-10 | 1.044E-10 |
| 2.500E-01 | 1.182E-10 | 1.182E-10 |
| 3.000E-01 | 1.336E-10 | 1.336E-10 |
| 3.500E-01 | 1.497E-10 | 1.497E-10 |
| 4.000E-01 | 1.649E-10 | 1.649E-10 |
| 4.500E-01 | 1.816E-10 | 1.816E-10 |
| 5.000E-01 | 2.031E-10 | 2.031E-10 |
| 5.500E-01 | 2.236E-10 | 2.236E-10 |

| | | |
|--|-----------|-----------|
| 6.000E-01 | 2.479E-10 | 2.479E-10 |
| 6.500E-01 | 2.785E-10 | 2.785E-10 |
| 7.000E-01 | 3.132E-10 | 3.132E-10 |
| 7.500E-01 | 3.532E-10 | 3.532E-10 |
| 8.000E-01 | 4.097E-10 | 4.097E-10 |
| 8.500E-01 | 4.712E-10 | 4.712E-10 |
| 9.000E-01 | 5.723E-10 | 5.723E-10 |
| 9.500E-01 | 7.641E-10 | 7.641E-10 |
| 1.000E+00 | 3.093E-09 | 3.093E-09 |
| GM: | 2.054E-10 | 2.054E-10 |
| GSD: | 2.236E+00 | 2.236E+00 |
| Time-Integrated Conc for Source 2 Scenario 7 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 7.264E-12 | 7.264E-12 |
| 5.000E-02 | 4.295E-11 | 4.295E-11 |
| 1.000E-01 | 5.534E-11 | 5.534E-11 |
| 1.500E-01 | 6.700E-11 | 6.700E-11 |
| 2.000E-01 | 7.916E-11 | 7.916E-11 |
| 2.500E-01 | 9.096E-11 | 9.096E-11 |
| 3.000E-01 | 1.026E-10 | 1.026E-10 |
| 3.500E-01 | 1.139E-10 | 1.139E-10 |
| 4.000E-01 | 1.259E-10 | 1.259E-10 |
| 4.500E-01 | 1.382E-10 | 1.382E-10 |
| 5.000E-01 | 1.532E-10 | 1.532E-10 |
| 5.500E-01 | 1.717E-10 | 1.717E-10 |
| 6.000E-01 | 1.908E-10 | 1.908E-10 |
| 6.500E-01 | 2.122E-10 | 2.122E-10 |
| 7.000E-01 | 2.442E-10 | 2.442E-10 |
| 7.500E-01 | 2.752E-10 | 2.752E-10 |
| 8.000E-01 | 3.139E-10 | 3.139E-10 |
| 8.500E-01 | 3.582E-10 | 3.582E-10 |
| 9.000E-01 | 4.359E-10 | 4.359E-10 |
| 9.500E-01 | 5.828E-10 | 5.828E-10 |
| 1.000E+00 | 2.082E-09 | 2.082E-09 |
| GM: | 1.564E-10 | 1.564E-10 |
| GSD: | 2.238E+00 | 2.238E+00 |
| Time-Integrated Conc for Source 1 Scenario 8 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 2.432E-11 | 2.765E-11 |
| 5.000E-02 | 1.002E-10 | 1.167E-10 |
| 1.000E-01 | 1.306E-10 | 1.550E-10 |
| 1.500E-01 | 1.614E-10 | 1.908E-10 |
| 2.000E-01 | 1.828E-10 | 2.172E-10 |
| 2.500E-01 | 2.095E-10 | 2.471E-10 |
| 3.000E-01 | 2.418E-10 | 2.840E-10 |
| 3.500E-01 | 2.633E-10 | 3.112E-10 |
| 4.000E-01 | 2.880E-10 | 3.406E-10 |
| 4.500E-01 | 3.162E-10 | 3.678E-10 |
| 5.000E-01 | 3.487E-10 | 4.131E-10 |
| 5.500E-01 | 3.859E-10 | 4.579E-10 |
| 6.000E-01 | 4.254E-10 | 5.062E-10 |
| 6.500E-01 | 4.738E-10 | 5.651E-10 |
| 7.000E-01 | 5.297E-10 | 6.250E-10 |
| 7.500E-01 | 5.995E-10 | 7.050E-10 |
| 8.000E-01 | 6.874E-10 | 8.193E-10 |
| 8.500E-01 | 7.966E-10 | 9.410E-10 |
| 9.000E-01 | 9.662E-10 | 1.132E-09 |
| 9.500E-01 | 1.313E-09 | 1.522E-09 |
| 1.000E+00 | 5.516E-09 | 6.544E-09 |
| GM: | 3.548E-10 | 4.191E-10 |
| GSD: | 2.198E+00 | 2.198E+00 |
| Time-Integrated Conc for Source 2 Scenario 8 | | |
| Percentile Occupation Nonoccupation | | |
| 0.000E+00 | 1.690E-11 | 2.295E-11 |
| 5.000E-02 | 6.442E-11 | 8.708E-11 |
| 1.000E-01 | 8.603E-11 | 1.156E-10 |
| 1.500E-01 | 1.056E-10 | 1.427E-10 |
| 2.000E-01 | 1.200E-10 | 1.646E-10 |
| 2.500E-01 | 1.376E-10 | 1.900E-10 |
| 3.000E-01 | 1.549E-10 | 2.141E-10 |
| 3.500E-01 | 1.759E-10 | 2.375E-10 |
| 4.000E-01 | 1.917E-10 | 2.604E-10 |
| 4.500E-01 | 2.120E-10 | 2.910E-10 |
| 5.000E-01 | 2.329E-10 | 3.183E-10 |

| | | |
|-----------|-----------|-----------|
| 5.500E-01 | 2.576E-10 | 3.528E-10 |
| 6.000E-01 | 2.824E-10 | 3.833E-10 |
| 6.500E-01 | 3.124E-10 | 4.264E-10 |
| 7.000E-01 | 3.457E-10 | 4.782E-10 |
| 7.500E-01 | 3.897E-10 | 5.310E-10 |
| 8.000E-01 | 4.400E-10 | 6.061E-10 |
| 8.500E-01 | 5.188E-10 | 6.975E-10 |
| 9.000E-01 | 6.186E-10 | 8.423E-10 |
| 9.500E-01 | 8.548E-10 | 1.179E-09 |
| 1.000E+00 | 3.505E-09 | 5.017E-09 |
| GM: | 2.334E-10 | 3.186E-10 |
| GSD: | 2.193E+00 | 2.191E+00 |

Time-Integrated Conc for Source 1 Scenario 9

Percentile Occupation Nonoccupation

| | | |
|-----------|-----------|-----------|
| 0.000E+00 | 4.072E-12 | 4.620E-11 |
| 5.000E-02 | 2.147E-11 | 1.941E-10 |
| 1.000E-01 | 2.824E-11 | 2.488E-10 |
| 1.500E-01 | 3.411E-11 | 2.984E-10 |
| 2.000E-01 | 3.968E-11 | 3.410E-10 |
| 2.500E-01 | 4.573E-11 | 3.883E-10 |
| 3.000E-01 | 5.209E-11 | 4.306E-10 |
| 3.500E-01 | 5.777E-11 | 4.729E-10 |
| 4.000E-01 | 6.383E-11 | 5.190E-10 |
| 4.500E-01 | 7.004E-11 | 5.679E-10 |
| 5.000E-01 | 7.897E-11 | 6.229E-10 |
| 5.500E-01 | 8.785E-11 | 6.994E-10 |
| 6.000E-01 | 9.755E-11 | 7.641E-10 |
| 6.500E-01 | 1.100E-10 | 8.453E-10 |
| 7.000E-01 | 1.236E-10 | 9.224E-10 |
| 7.500E-01 | 1.378E-10 | 1.049E-09 |
| 8.000E-01 | 1.583E-10 | 1.162E-09 |
| 8.500E-01 | 1.885E-10 | 1.358E-09 |
| 9.000E-01 | 2.309E-10 | 1.616E-09 |
| 9.500E-01 | 2.928E-10 | 1.998E-09 |
| 1.000E+00 | 1.828E-09 | 1.009E-08 |
| GM: | 7.989E-11 | 6.346E-10 |
| GSD: | 2.260E+00 | 2.065E+00 |

Time-Integrated Conc for Source 2 Scenario 9

Percentile Occupation Nonoccupation

| | | |
|-----------|-----------|-----------|
| 0.000E+00 | 2.003E-12 | 2.242E-11 |
| 5.000E-02 | 1.367E-11 | 1.258E-10 |
| 1.000E-01 | 1.851E-11 | 1.627E-10 |
| 1.500E-01 | 2.292E-11 | 1.997E-10 |
| 2.000E-01 | 2.668E-11 | 2.278E-10 |
| 2.500E-01 | 3.060E-11 | 2.606E-10 |
| 3.000E-01 | 3.388E-11 | 2.868E-10 |
| 3.500E-01 | 3.781E-11 | 3.135E-10 |
| 4.000E-01 | 4.186E-11 | 3.427E-10 |
| 4.500E-01 | 4.634E-11 | 3.735E-10 |
| 5.000E-01 | 5.157E-11 | 4.180E-10 |
| 5.500E-01 | 5.839E-11 | 4.575E-10 |
| 6.000E-01 | 6.496E-11 | 5.104E-10 |
| 6.500E-01 | 7.298E-11 | 5.624E-10 |
| 7.000E-01 | 8.425E-11 | 6.326E-10 |
| 7.500E-01 | 9.427E-11 | 7.034E-10 |
| 8.000E-01 | 1.078E-10 | 7.889E-10 |
| 8.500E-01 | 1.267E-10 | 8.975E-10 |
| 9.000E-01 | 1.517E-10 | 1.080E-09 |
| 9.500E-01 | 2.015E-10 | 1.424E-09 |
| 1.000E+00 | 6.923E-10 | 4.257E-09 |
| GM: | 5.306E-11 | 4.217E-10 |
| GSD: | 2.269E+00 | 2.075E+00 |

Risk Estimates

Rancher

Percentile Total

| | |
|-----------|-----------|
| 0.000E+00 | 5.458E-12 |
| 5.000E-02 | 7.527E-11 |
| 1.000E-01 | 1.109E-10 |
| 1.500E-01 | 1.427E-10 |
| 2.000E-01 | 1.717E-10 |
| 2.500E-01 | 2.028E-10 |
| 3.000E-01 | 2.407E-10 |
| 3.500E-01 | 2.750E-10 |

| | |
|-----------|-----------|
| 4.000E-01 | 3.106E-10 |
| 4.500E-01 | 3.555E-10 |
| 5.000E-01 | 4.006E-10 |
| 5.500E-01 | 4.638E-10 |
| 6.000E-01 | 5.236E-10 |
| 6.500E-01 | 6.059E-10 |
| 7.000E-01 | 6.896E-10 |
| 7.500E-01 | 7.827E-10 |
| 8.000E-01 | 9.091E-10 |
| 8.500E-01 | 1.074E-09 |
| 9.000E-01 | 1.339E-09 |
| 9.500E-01 | 1.818E-09 |
| 1.000E+00 | 8.407E-09 |
| GM: | 3.944E-10 |
| GSD: | 2.678E+00 |

Office Worker

| Percentile | Total |
|------------|-------|
|------------|-------|

| | |
|-----------|-----------|
| 0.000E+00 | 8.523E-14 |
| 5.000E-02 | 5.704E-13 |
| 1.000E-01 | 8.152E-13 |
| 1.500E-01 | 1.051E-12 |
| 2.000E-01 | 1.280E-12 |
| 2.500E-01 | 1.507E-12 |
| 3.000E-01 | 1.751E-12 |
| 3.500E-01 | 2.008E-12 |
| 4.000E-01 | 2.253E-12 |
| 4.500E-01 | 2.555E-12 |
| 5.000E-01 | 2.844E-12 |
| 5.500E-01 | 3.188E-12 |
| 6.000E-01 | 3.682E-12 |
| 6.500E-01 | 4.141E-12 |
| 7.000E-01 | 4.654E-12 |
| 7.500E-01 | 5.334E-12 |
| 8.000E-01 | 6.112E-12 |
| 8.500E-01 | 7.062E-12 |
| 9.000E-01 | 8.693E-12 |
| 9.500E-01 | 1.209E-11 |
| 1.000E+00 | 3.793E-11 |
| GM: | 2.778E-12 |
| GSD: | 2.518E+00 |

Housewife

| Percentile | Total |
|------------|-------|
|------------|-------|

| | |
|-----------|-----------|
| 0.000E+00 | 1.761E-12 |
| 5.000E-02 | 1.302E-11 |
| 1.000E-01 | 1.828E-11 |
| 1.500E-01 | 2.392E-11 |
| 2.000E-01 | 3.024E-11 |
| 2.500E-01 | 3.476E-11 |
| 3.000E-01 | 4.025E-11 |
| 3.500E-01 | 4.639E-11 |
| 4.000E-01 | 5.162E-11 |
| 4.500E-01 | 5.781E-11 |
| 5.000E-01 | 6.519E-11 |
| 5.500E-01 | 7.362E-11 |
| 6.000E-01 | 8.187E-11 |
| 6.500E-01 | 9.198E-11 |
| 7.000E-01 | 1.023E-10 |
| 7.500E-01 | 1.162E-10 |
| 8.000E-01 | 1.306E-10 |
| 8.500E-01 | 1.592E-10 |
| 9.000E-01 | 1.910E-10 |
| 9.500E-01 | 2.566E-10 |
| 1.000E+00 | 9.109E-10 |
| GM: | 6.274E-11 |
| GSD: | 2.476E+00 |

Retiree

| Percentile | Total |
|------------|-------|
|------------|-------|

| | |
|-----------|-----------|
| 0.000E+00 | 2.695E-14 |
| 5.000E-02 | 1.256E-13 |
| 1.000E-01 | 2.050E-13 |
| 1.500E-01 | 2.643E-13 |

| | |
|--------------|-----------|
| 2.000E-01 | 3.166E-13 |
| 2.500E-01 | 3.745E-13 |
| 3.000E-01 | 4.375E-13 |
| 3.500E-01 | 5.004E-13 |
| 4.000E-01 | 5.772E-13 |
| 4.500E-01 | 6.600E-13 |
| 5.000E-01 | 7.442E-13 |
| 5.500E-01 | 8.560E-13 |
| 6.000E-01 | 9.627E-13 |
| 6.500E-01 | 1.084E-12 |
| 7.000E-01 | 1.293E-12 |
| 7.500E-01 | 1.528E-12 |
| 8.000E-01 | 1.797E-12 |
| 8.500E-01 | 2.198E-12 |
| 9.000E-01 | 2.959E-12 |
| 9.500E-01 | 4.002E-12 |
| 1.000E+00 | 3.914E-11 |
| GM: | 7.507E-13 |
| GSD: | 2.849E+00 |
| Const Worker | |
| Percentile | Total |
| ----- | |
| 0.000E+00 | 2.452E-14 |
| 5.000E-02 | 2.052E-13 |
| 1.000E-01 | 3.082E-13 |
| 1.500E-01 | 3.937E-13 |
| 2.000E-01 | 4.844E-13 |
| 2.500E-01 | 5.783E-13 |
| 3.000E-01 | 6.619E-13 |
| 3.500E-01 | 7.560E-13 |
| 4.000E-01 | 8.602E-13 |
| 4.500E-01 | 9.688E-13 |
| 5.000E-01 | 1.073E-12 |
| 5.500E-01 | 1.214E-12 |
| 6.000E-01 | 1.372E-12 |
| 6.500E-01 | 1.555E-12 |
| 7.000E-01 | 1.787E-12 |
| 7.500E-01 | 2.082E-12 |
| 8.000E-01 | 2.420E-12 |
| 8.500E-01 | 2.917E-12 |
| 9.000E-01 | 3.537E-12 |
| 9.500E-01 | 4.975E-12 |
| 1.000E+00 | 1.693E-11 |
| GM: | 1.070E-12 |
| GSD: | 2.610E+00 |
| Infant | |
| Percentile | Total |
| ----- | |
| 0.000E+00 | 8.711E-14 |
| 5.000E-02 | 1.391E-12 |
| 1.000E-01 | 2.045E-12 |
| 1.500E-01 | 2.596E-12 |
| 2.000E-01 | 3.166E-12 |
| 2.500E-01 | 3.858E-12 |
| 3.000E-01 | 4.689E-12 |
| 3.500E-01 | 5.399E-12 |
| 4.000E-01 | 6.147E-12 |
| 4.500E-01 | 6.922E-12 |
| 5.000E-01 | 7.669E-12 |
| 5.500E-01 | 8.547E-12 |
| 6.000E-01 | 9.857E-12 |
| 6.500E-01 | 1.107E-11 |
| 7.000E-01 | 1.295E-11 |
| 7.500E-01 | 1.504E-11 |
| 8.000E-01 | 1.762E-11 |
| 8.500E-01 | 2.146E-11 |
| 9.000E-01 | 2.727E-11 |
| 9.500E-01 | 3.850E-11 |
| 1.000E+00 | 2.487E-10 |
| GM: | 7.559E-12 |
| GSD: | 2.767E+00 |
| Child (2-6) | |
| Percentile | Total |
| ----- | |

| | |
|----------------|-----------|
| 0.000E+00 | 1.028E-12 |
| 5.000E-02 | 6.246E-12 |
| 1.000E-01 | 8.858E-12 |
| 1.500E-01 | 1.108E-11 |
| 2.000E-01 | 1.344E-11 |
| 2.500E-01 | 1.541E-11 |
| 3.000E-01 | 1.787E-11 |
| 3.500E-01 | 2.039E-11 |
| 4.000E-01 | 2.319E-11 |
| 4.500E-01 | 2.644E-11 |
| 5.000E-01 | 3.027E-11 |
| 5.500E-01 | 3.353E-11 |
| 6.000E-01 | 3.748E-11 |
| 6.500E-01 | 4.197E-11 |
| 7.000E-01 | 4.739E-11 |
| 7.500E-01 | 5.455E-11 |
| 8.000E-01 | 6.339E-11 |
| 8.500E-01 | 7.600E-11 |
| 9.000E-01 | 9.531E-11 |
| 9.500E-01 | 1.337E-10 |
| 1.000E+00 | 4.754E-10 |
| GM: | 2.915E-11 |
| GSD: | 2.550E+00 |
| Student (7-18) | |
| Percentile | Total |

| | |
|------------|-----------|
| 0.000E+00 | 1.195E-12 |
| 5.000E-02 | 8.029E-12 |
| 1.000E-01 | 1.159E-11 |
| 1.500E-01 | 1.554E-11 |
| 2.000E-01 | 1.861E-11 |
| 2.500E-01 | 2.191E-11 |
| 3.000E-01 | 2.544E-11 |
| 3.500E-01 | 2.885E-11 |
| 4.000E-01 | 3.356E-11 |
| 4.500E-01 | 3.765E-11 |
| 5.000E-01 | 4.165E-11 |
| 5.500E-01 | 4.654E-11 |
| 6.000E-01 | 5.237E-11 |
| 6.500E-01 | 5.815E-11 |
| 7.000E-01 | 6.489E-11 |
| 7.500E-01 | 7.621E-11 |
| 8.000E-01 | 8.869E-11 |
| 8.500E-01 | 1.045E-10 |
| 9.000E-01 | 1.353E-10 |
| 9.500E-01 | 1.872E-10 |
| 1.000E+00 | 7.156E-10 |
| GM: | 4.066E-11 |
| GSD: | 2.567E+00 |
| Other | |
| Percentile | Total |

| | |
|-----------|-----------|
| 0.000E+00 | 1.716E-12 |
| 5.000E-02 | 7.130E-12 |
| 1.000E-01 | 1.058E-11 |
| 1.500E-01 | 1.344E-11 |
| 2.000E-01 | 1.614E-11 |
| 2.500E-01 | 1.863E-11 |
| 3.000E-01 | 2.160E-11 |
| 3.500E-01 | 2.469E-11 |
| 4.000E-01 | 2.814E-11 |
| 4.500E-01 | 3.171E-11 |
| 5.000E-01 | 3.493E-11 |
| 5.500E-01 | 3.911E-11 |
| 6.000E-01 | 4.492E-11 |
| 6.500E-01 | 5.004E-11 |
| 7.000E-01 | 5.640E-11 |
| 7.500E-01 | 6.291E-11 |
| 8.000E-01 | 7.376E-11 |
| 8.500E-01 | 8.604E-11 |
| 9.000E-01 | 1.076E-10 |
| 9.500E-01 | 1.407E-10 |
| 1.000E+00 | 6.983E-10 |
| GM: | 3.414E-11 |

GSD: 2.455E+00
 Total Risk for Child Scenario
 Percentile Total

```
-----
0.000E+00 1.039E-12
5.000E-02 1.493E-11
1.000E-01 2.303E-11
1.500E-01 2.913E-11
2.000E-01 3.438E-11
2.500E-01 3.981E-11
3.000E-01 4.560E-11
3.500E-01 5.273E-11
4.000E-01 6.088E-11
4.500E-01 7.109E-11
5.000E-01 8.005E-11
5.500E-01 8.986E-11
6.000E-01 9.935E-11
6.500E-01 1.109E-10
7.000E-01 1.254E-10
7.500E-01 1.427E-10
8.000E-01 1.672E-10
8.500E-01 1.978E-10
9.000E-01 2.571E-10
9.500E-01 3.497E-10
1.000E+00 2.529E-09
```

GM: 7.590E-11
 GSD: 2.611E+00

Concentration vs. Time Output (mass/m**3)

Receptor: 1

| Year | 5th | 50th | 95th |
|------|-----------|-----------|-----------|
| 1 | 4.732E-11 | 2.518E-10 | 1.233E-09 |
| 2 | 5.063E-11 | 2.418E-10 | 1.361E-09 |
| 3 | 4.646E-11 | 2.471E-10 | 1.222E-09 |
| 4 | 3.934E-11 | 2.050E-10 | 1.089E-09 |
| 5 | 2.438E-11 | 1.247E-10 | 6.917E-10 |
| 6 | 4.346E-11 | 2.268E-10 | 1.141E-09 |
| 7 | 4.562E-11 | 2.251E-10 | 1.251E-09 |
| 8 | 1.179E-10 | 5.787E-10 | 3.029E-09 |
| 9 | 1.205E-10 | 6.396E-10 | 3.373E-09 |
| 10 | 1.252E-10 | 6.399E-10 | 3.048E-09 |
| 11 | 1.506E-10 | 7.278E-10 | 3.898E-09 |
| 12 | 8.755E-11 | 4.631E-10 | 2.442E-09 |
| 13 | 4.824E-11 | 2.608E-10 | 1.368E-09 |
| 14 | 5.016E-11 | 2.149E-10 | 9.346E-10 |
| 15 | 6.136E-12 | 2.601E-11 | 1.184E-10 |
| 16 | 2.028E-11 | 9.583E-11 | 4.214E-10 |
| 17 | 2.899E-11 | 1.267E-10 | 6.011E-10 |
| 18 | 1.520E-11 | 7.045E-11 | 3.041E-10 |
| 19 | 1.105E-11 | 4.977E-11 | 2.160E-10 |
| 20 | 1.377E-11 | 6.512E-11 | 2.679E-10 |
| 21 | 4.928E-11 | 2.323E-10 | 9.636E-10 |
| 22 | 4.544E-12 | 1.967E-11 | 8.847E-11 |
| 23 | 3.192E-12 | 1.431E-11 | 6.416E-11 |
| 24 | 6.301E-13 | 2.678E-12 | 1.127E-11 |
| 25 | 2.908E-13 | 1.308E-12 | 5.703E-12 |
| 26 | 2.971E-13 | 1.311E-12 | 5.750E-12 |
| 27 | 8.939E-13 | 3.966E-12 | 1.673E-11 |
| 28 | 1.501E-12 | 6.725E-12 | 3.157E-11 |
| 29 | 2.896E-13 | 1.270E-12 | 5.980E-12 |
| 30 | 6.411E-13 | 2.598E-12 | 1.151E-11 |
| 31 | 2.945E-13 | 1.275E-12 | 5.466E-12 |
| 32 | 1.693E-12 | 8.007E-12 | 3.474E-11 |

Receptor: 2

| Year | 5th | 50th | 95th |
|------|-----------|-----------|-----------|
| 1 | 6.243E-13 | 3.232E-12 | 1.631E-11 |
| 2 | 5.984E-13 | 3.102E-12 | 1.693E-11 |
| 3 | 6.064E-13 | 3.250E-12 | 1.666E-11 |
| 4 | 5.357E-13 | 2.774E-12 | 1.381E-11 |
| 5 | 3.161E-13 | 1.616E-12 | 8.194E-12 |
| 6 | 5.858E-13 | 2.972E-12 | 1.626E-11 |
| 7 | 5.451E-13 | 3.022E-12 | 1.480E-11 |
| 8 | 1.422E-12 | 7.759E-12 | 4.181E-11 |
| 9 | 1.458E-12 | 8.139E-12 | 4.145E-11 |

| | | | |
|-----------|-----------|-----------|-----------|
| 10 | 1.603E-12 | 8.007E-12 | 4.625E-11 |
| 11 | 1.698E-12 | 9.496E-12 | 4.690E-11 |
| 12 | 1.137E-12 | 5.812E-12 | 3.099E-11 |
| 13 | 6.821E-13 | 3.484E-12 | 1.951E-11 |
| 14 | 5.694E-13 | 2.784E-12 | 1.243E-11 |
| 15 | 7.446E-14 | 3.389E-13 | 1.525E-12 |
| 16 | 2.697E-13 | 1.183E-12 | 5.343E-12 |
| 17 | 3.803E-13 | 1.771E-12 | 7.864E-12 |
| 18 | 2.003E-13 | 8.937E-13 | 3.696E-12 |
| 19 | 1.408E-13 | 6.439E-13 | 2.928E-12 |
| 20 | 1.810E-13 | 8.541E-13 | 3.919E-12 |
| 21 | 6.451E-13 | 3.053E-12 | 1.317E-11 |
| 22 | 5.293E-14 | 2.576E-13 | 1.106E-12 |
| 23 | 4.237E-14 | 1.893E-13 | 8.892E-13 |
| 24 | 7.217E-15 | 3.378E-14 | 1.473E-13 |
| 25 | 3.843E-15 | 1.781E-14 | 8.015E-14 |
| 26 | 3.871E-15 | 1.711E-14 | 7.885E-14 |
| 27 | 1.198E-14 | 5.100E-14 | 2.203E-13 |
| 28 | 1.850E-14 | 8.498E-14 | 3.772E-13 |
| 29 | 3.696E-15 | 1.682E-14 | 7.650E-14 |
| 30 | 7.785E-15 | 3.490E-14 | 1.614E-13 |
| 31 | 3.655E-15 | 1.665E-14 | 7.637E-14 |
| 32 | 2.336E-14 | 1.040E-13 | 4.570E-13 |
| Receptor: | 3 | | |
| Year | 5th | 50th | 95th |
| 1 | 1.066E-11 | 4.857E-11 | 2.188E-10 |
| 2 | 1.085E-11 | 4.781E-11 | 2.259E-10 |
| 3 | 1.016E-11 | 4.818E-11 | 2.174E-10 |
| 4 | 8.565E-12 | 4.198E-11 | 1.795E-10 |
| 5 | 5.689E-12 | 2.581E-11 | 1.164E-10 |
| 6 | 9.741E-12 | 4.453E-11 | 2.179E-10 |
| 7 | 9.873E-12 | 4.547E-11 | 2.031E-10 |
| 8 | 2.650E-11 | 1.200E-10 | 5.392E-10 |
| 9 | 2.873E-11 | 1.260E-10 | 6.122E-10 |
| 10 | 2.652E-11 | 1.273E-10 | 5.556E-10 |
| 11 | 3.099E-11 | 1.422E-10 | 6.568E-10 |
| 12 | 2.016E-11 | 9.162E-11 | 3.931E-10 |
| 13 | 1.208E-11 | 5.118E-11 | 2.476E-10 |
| 14 | 1.098E-11 | 4.244E-11 | 1.594E-10 |
| 15 | 1.351E-12 | 5.333E-12 | 2.088E-11 |
| 16 | 4.612E-12 | 1.922E-11 | 7.310E-11 |
| 17 | 6.627E-12 | 2.673E-11 | 1.015E-10 |
| 18 | 3.357E-12 | 1.376E-11 | 5.505E-11 |
| 19 | 2.530E-12 | 9.801E-12 | 4.000E-11 |
| 20 | 3.274E-12 | 1.322E-11 | 5.278E-11 |
| 21 | 1.126E-11 | 4.503E-11 | 1.629E-10 |
| 22 | 1.037E-12 | 3.996E-12 | 1.552E-11 |
| 23 | 6.988E-13 | 2.967E-12 | 1.169E-11 |
| 24 | 1.310E-13 | 5.330E-13 | 2.101E-12 |
| 25 | 6.815E-14 | 2.566E-13 | 1.052E-12 |
| 26 | 6.862E-14 | 2.563E-13 | 9.948E-13 |
| 27 | 1.953E-13 | 7.901E-13 | 3.108E-12 |
| 28 | 3.257E-13 | 1.311E-12 | 4.986E-12 |
| 29 | 6.609E-14 | 2.651E-13 | 9.768E-13 |
| 30 | 1.436E-13 | 5.249E-13 | 1.950E-12 |
| 31 | 6.791E-14 | 2.685E-13 | 1.022E-12 |
| 32 | 3.895E-13 | 1.610E-12 | 5.961E-12 |
| Receptor: | 4 | | |
| Year | 5th | 50th | 95th |
| 1 | 8.709E-12 | 3.781E-11 | 1.866E-10 |
| 2 | 8.584E-12 | 3.833E-11 | 1.801E-10 |
| 3 | 8.535E-12 | 3.915E-11 | 1.853E-10 |
| 4 | 7.504E-12 | 3.379E-11 | 1.593E-10 |
| 5 | 4.289E-12 | 1.996E-11 | 8.986E-11 |
| 6 | 7.398E-12 | 3.548E-11 | 1.627E-10 |
| 7 | 8.043E-12 | 3.525E-11 | 1.703E-10 |
| 8 | 1.950E-11 | 9.372E-11 | 4.086E-10 |
| 9 | 2.119E-11 | 1.001E-10 | 5.035E-10 |
| 10 | 2.240E-11 | 1.002E-10 | 4.486E-10 |
| 11 | 2.430E-11 | 1.160E-10 | 5.745E-10 |
| 12 | 1.486E-11 | 7.168E-11 | 3.370E-10 |
| 13 | 9.161E-12 | 4.191E-11 | 1.908E-10 |
| 14 | 8.608E-12 | 3.430E-11 | 1.356E-10 |
| 15 | 1.098E-12 | 4.168E-12 | 1.566E-11 |

| | | | |
|-----------|-----------|-----------|-----------|
| 16 | 3.784E-12 | 1.462E-11 | 5.648E-11 |
| 17 | 5.079E-12 | 2.160E-11 | 7.993E-11 |
| 18 | 2.663E-12 | 1.114E-11 | 4.550E-11 |
| 19 | 1.955E-12 | 7.763E-12 | 3.006E-11 |
| 20 | 2.469E-12 | 1.071E-11 | 4.032E-11 |
| 21 | 8.972E-12 | 3.550E-11 | 1.440E-10 |
| 22 | 7.746E-13 | 3.082E-12 | 1.179E-11 |
| 23 | 5.901E-13 | 2.239E-12 | 8.823E-12 |
| 24 | 1.095E-13 | 4.182E-13 | 1.600E-12 |
| 25 | 5.177E-14 | 2.083E-13 | 8.019E-13 |
| 26 | 5.410E-14 | 2.105E-13 | 7.840E-13 |
| 27 | 1.620E-13 | 6.463E-13 | 2.555E-12 |
| 28 | 2.632E-13 | 1.042E-12 | 4.227E-12 |
| 29 | 5.339E-14 | 2.137E-13 | 8.236E-13 |
| 30 | 1.073E-13 | 4.249E-13 | 1.645E-12 |
| 31 | 5.389E-14 | 2.070E-13 | 8.039E-13 |
| 32 | 3.165E-13 | 1.268E-12 | 4.896E-12 |
| Receptor: | 5 | | |
| Year | 5th | 50th | 95th |
| 1 | 2.978E-12 | 1.370E-11 | 5.921E-11 |
| 2 | 2.996E-12 | 1.370E-11 | 6.271E-11 |
| 3 | 2.917E-12 | 1.380E-11 | 5.990E-11 |
| 4 | 2.470E-12 | 1.145E-11 | 5.427E-11 |
| 5 | 1.441E-12 | 7.253E-12 | 3.393E-11 |
| 6 | 2.775E-12 | 1.258E-11 | 5.475E-11 |
| 7 | 2.800E-12 | 1.297E-11 | 5.632E-11 |
| 8 | 6.657E-12 | 3.275E-11 | 1.532E-10 |
| 9 | 7.229E-12 | 3.449E-11 | 1.654E-10 |
| 10 | 7.384E-12 | 3.424E-11 | 1.614E-10 |
| 11 | 9.144E-12 | 4.180E-11 | 1.902E-10 |
| 12 | 5.543E-12 | 2.508E-11 | 1.230E-10 |
| 13 | 3.335E-12 | 1.537E-11 | 7.370E-11 |
| 14 | 3.023E-12 | 1.175E-11 | 4.517E-11 |
| 15 | 3.793E-13 | 1.458E-12 | 5.627E-12 |
| 16 | 1.243E-12 | 5.241E-12 | 2.102E-11 |
| 17 | 1.747E-12 | 7.264E-12 | 2.954E-11 |
| 18 | 1.066E-12 | 3.873E-12 | 1.501E-11 |
| 19 | 6.676E-13 | 2.789E-12 | 1.066E-11 |
| 20 | 8.788E-13 | 3.660E-12 | 1.423E-11 |
| 21 | 3.064E-12 | 1.273E-11 | 4.957E-11 |
| 22 | 2.948E-13 | 1.081E-12 | 4.532E-12 |
| 23 | 2.091E-13 | 7.977E-13 | 3.094E-12 |
| 24 | 3.898E-14 | 1.467E-13 | 5.502E-13 |
| 25 | 1.847E-14 | 7.421E-14 | 2.966E-13 |
| 26 | 1.852E-14 | 7.254E-14 | 2.961E-13 |
| 27 | 5.742E-14 | 2.277E-13 | 8.476E-13 |
| 28 | 9.622E-14 | 3.784E-13 | 1.405E-12 |
| 29 | 1.831E-14 | 7.259E-14 | 2.791E-13 |
| 30 | 3.821E-14 | 1.430E-13 | 5.837E-13 |
| 31 | 1.872E-14 | 7.597E-14 | 2.773E-13 |
| 32 | 1.116E-13 | 4.473E-13 | 1.749E-12 |
| Receptor: | 6 | | |
| Year | 5th | 50th | 95th |
| 1 | 9.221E-13 | 4.802E-12 | 2.599E-11 |
| 2 | 9.401E-13 | 4.841E-12 | 2.570E-11 |
| 3 | 9.811E-13 | 4.950E-12 | 2.598E-11 |
| 4 | 8.157E-13 | 4.142E-12 | 2.292E-11 |
| 5 | 4.771E-13 | 2.455E-12 | 1.247E-11 |
| 6 | 8.167E-13 | 4.598E-12 | 2.249E-11 |
| 7 | 8.924E-13 | 4.731E-12 | 2.253E-11 |
| 8 | 2.143E-12 | 1.181E-11 | 5.820E-11 |
| 9 | 2.509E-12 | 1.212E-11 | 6.369E-11 |
| 10 | 2.209E-12 | 1.224E-11 | 6.998E-11 |
| 11 | 2.664E-12 | 1.434E-11 | 7.624E-11 |
| 12 | 1.589E-12 | 9.134E-12 | 4.603E-11 |
| 13 | 9.834E-13 | 5.423E-12 | 2.755E-11 |
| 14 | 9.594E-13 | 4.186E-12 | 1.805E-11 |
| 15 | 1.108E-13 | 5.254E-13 | 2.368E-12 |
| 16 | 4.244E-13 | 1.873E-12 | 8.479E-12 |
| 17 | 5.832E-13 | 2.612E-12 | 1.193E-11 |
| 18 | 3.169E-13 | 1.345E-12 | 6.471E-12 |
| 19 | 2.118E-13 | 9.493E-13 | 4.245E-12 |
| 20 | 2.750E-13 | 1.303E-12 | 5.651E-12 |
| 21 | 9.960E-13 | 4.563E-12 | 1.920E-11 |

| | | | |
|-----------|-----------|-----------|-----------|
| 22 | 8.553E-14 | 3.884E-13 | 1.727E-12 |
| 23 | 5.699E-14 | 2.958E-13 | 1.282E-12 |
| 24 | 1.166E-14 | 5.255E-14 | 2.278E-13 |
| 25 | 5.808E-15 | 2.588E-14 | 1.119E-13 |
| 26 | 5.547E-15 | 2.604E-14 | 1.201E-13 |
| 27 | 1.715E-14 | 7.834E-14 | 3.454E-13 |
| 28 | 2.905E-14 | 1.321E-13 | 5.651E-13 |
| 29 | 5.754E-15 | 2.645E-14 | 1.121E-13 |
| 30 | 1.125E-14 | 5.376E-14 | 2.371E-13 |
| 31 | 5.976E-15 | 2.701E-14 | 1.149E-13 |
| 32 | 3.389E-14 | 1.602E-13 | 6.918E-13 |
| Receptor: | 7 | | |
| Year | 5th | 50th | 95th |
| 1 | 8.103E-13 | 4.377E-12 | 2.440E-11 |
| 2 | 8.146E-13 | 4.424E-12 | 2.222E-11 |
| 3 | 8.479E-13 | 4.247E-12 | 2.307E-11 |
| 4 | 7.352E-13 | 3.494E-12 | 1.863E-11 |
| 5 | 4.071E-13 | 2.190E-12 | 1.163E-11 |
| 6 | 7.745E-13 | 4.167E-12 | 2.141E-11 |
| 7 | 7.278E-13 | 3.791E-12 | 2.043E-11 |
| 8 | 1.872E-12 | 1.046E-11 | 5.554E-11 |
| 9 | 2.096E-12 | 1.114E-11 | 5.472E-11 |
| 10 | 2.120E-12 | 1.096E-11 | 5.624E-11 |
| 11 | 2.231E-12 | 1.285E-11 | 6.647E-11 |
| 12 | 1.491E-12 | 7.883E-12 | 4.020E-11 |
| 13 | 9.572E-13 | 4.599E-12 | 2.303E-11 |
| 14 | 8.507E-13 | 3.839E-12 | 1.659E-11 |
| 15 | 1.054E-13 | 4.601E-13 | 2.064E-12 |
| 16 | 3.704E-13 | 1.626E-12 | 7.724E-12 |
| 17 | 5.402E-13 | 2.362E-12 | 1.053E-11 |
| 18 | 2.538E-13 | 1.224E-12 | 5.231E-12 |
| 19 | 1.929E-13 | 8.495E-13 | 3.826E-12 |
| 20 | 2.470E-13 | 1.122E-12 | 4.992E-12 |
| 21 | 8.074E-13 | 3.966E-12 | 1.685E-11 |
| 22 | 8.027E-14 | 3.413E-13 | 1.625E-12 |
| 23 | 5.632E-14 | 2.578E-13 | 1.177E-12 |
| 24 | 1.068E-14 | 4.717E-14 | 2.180E-13 |
| 25 | 5.140E-15 | 2.326E-14 | 1.040E-13 |
| 26 | 5.170E-15 | 2.287E-14 | 1.061E-13 |
| 27 | 1.484E-14 | 6.773E-14 | 3.119E-13 |
| 28 | 2.635E-14 | 1.172E-13 | 5.281E-13 |
| 29 | 5.097E-15 | 2.356E-14 | 1.060E-13 |
| 30 | 9.993E-15 | 4.706E-14 | 1.936E-13 |
| 31 | 5.166E-15 | 2.339E-14 | 1.133E-13 |
| 32 | 3.159E-14 | 1.351E-13 | 6.010E-13 |
| Receptor: | 9 | | |
| Year | 5th | 50th | 95th |
| 1 | 2.571E-13 | 1.359E-12 | 7.719E-12 |
| 2 | 2.660E-13 | 1.339E-12 | 7.324E-12 |
| 3 | 2.669E-13 | 1.363E-12 | 6.490E-12 |
| 4 | 2.050E-13 | 1.181E-12 | 6.427E-12 |
| 5 | 1.345E-13 | 7.264E-13 | 3.887E-12 |
| 6 | 2.463E-13 | 1.247E-12 | 6.739E-12 |
| 7 | 2.570E-13 | 1.240E-12 | 6.594E-12 |
| 8 | 6.282E-13 | 3.388E-12 | 1.735E-11 |
| 9 | 6.736E-13 | 3.519E-12 | 1.782E-11 |
| 10 | 6.915E-13 | 3.368E-12 | 1.736E-11 |
| 11 | 7.366E-13 | 4.011E-12 | 2.075E-11 |
| 12 | 4.638E-13 | 2.432E-12 | 1.365E-11 |
| 13 | 2.638E-13 | 1.495E-12 | 7.722E-12 |
| 14 | 2.492E-13 | 1.162E-12 | 5.456E-12 |
| 15 | 3.121E-14 | 1.461E-13 | 6.546E-13 |
| 16 | 1.104E-13 | 5.158E-13 | 2.395E-12 |
| 17 | 1.512E-13 | 7.086E-13 | 3.446E-12 |
| 18 | 8.456E-14 | 3.872E-13 | 1.802E-12 |
| 19 | 6.339E-14 | 2.747E-13 | 1.222E-12 |
| 20 | 7.527E-14 | 3.596E-13 | 1.541E-12 |
| 21 | 2.844E-13 | 1.291E-12 | 5.745E-12 |
| 22 | 2.459E-14 | 1.119E-13 | 4.924E-13 |
| 23 | 1.800E-14 | 7.986E-14 | 3.512E-13 |
| 24 | 3.315E-15 | 1.447E-14 | 6.652E-14 |
| 25 | 1.505E-15 | 7.473E-15 | 3.249E-14 |
| 26 | 1.611E-15 | 7.439E-15 | 3.192E-14 |
| 27 | 4.745E-15 | 2.275E-14 | 9.745E-14 |

| | | | |
|--------------|-----------|-----------|-----------|
| 28 | 7.850E-15 | 3.637E-14 | 1.656E-13 |
| 29 | 1.606E-15 | 7.397E-15 | 3.420E-14 |
| 30 | 3.339E-15 | 1.440E-14 | 6.836E-14 |
| 31 | 1.601E-15 | 7.552E-15 | 3.362E-14 |
| 32 | 9.570E-15 | 4.345E-14 | 2.058E-13 |
| Receptor: 10 | | | |
| Year | 5th | 50th | 95th |
| 1 | 9.284E-10 | 4.519E-09 | 2.323E-08 |
| 2 | 8.583E-10 | 4.457E-09 | 2.386E-08 |
| 3 | 8.480E-10 | 4.432E-09 | 2.300E-08 |
| 4 | 6.682E-10 | 3.711E-09 | 1.977E-08 |
| 5 | 4.149E-10 | 2.225E-09 | 1.187E-08 |
| 6 | 8.072E-10 | 4.017E-09 | 2.175E-08 |
| 7 | 7.857E-10 | 4.262E-09 | 2.033E-08 |
| 8 | 1.922E-09 | 1.044E-08 | 5.665E-08 |
| 9 | 2.254E-09 | 1.088E-08 | 5.982E-08 |
| 10 | 2.182E-09 | 1.095E-08 | 5.930E-08 |
| 11 | 2.355E-09 | 1.334E-08 | 7.085E-08 |
| 12 | 1.569E-09 | 8.201E-09 | 4.032E-08 |
| 13 | 9.255E-10 | 4.856E-09 | 2.602E-08 |
| 14 | 8.308E-10 | 3.832E-09 | 1.825E-08 |
| 15 | 1.005E-10 | 4.737E-10 | 2.098E-09 |
| 16 | 3.939E-10 | 1.664E-09 | 7.533E-09 |
| 17 | 5.215E-10 | 2.339E-09 | 1.044E-08 |
| 18 | 2.625E-10 | 1.214E-09 | 5.415E-09 |
| 19 | 2.006E-10 | 8.738E-10 | 3.914E-09 |
| 20 | 2.348E-10 | 1.155E-09 | 5.393E-09 |
| 21 | 8.988E-10 | 3.974E-09 | 1.870E-08 |
| 22 | 7.833E-11 | 3.480E-10 | 1.524E-09 |
| 23 | 5.685E-11 | 2.533E-10 | 1.179E-09 |
| 24 | 1.059E-11 | 4.686E-11 | 2.133E-10 |
| 25 | 5.091E-12 | 2.325E-11 | 1.099E-10 |
| 26 | 5.023E-12 | 2.328E-11 | 1.013E-10 |
| 27 | 1.514E-11 | 7.155E-11 | 3.263E-10 |
| 28 | 2.668E-11 | 1.228E-10 | 5.542E-10 |
| 29 | 5.338E-12 | 2.422E-11 | 1.053E-10 |
| 30 | 1.061E-11 | 4.705E-11 | 2.128E-10 |
| 31 | 5.158E-12 | 2.450E-11 | 1.063E-10 |
| 32 | 3.126E-11 | 1.459E-10 | 6.073E-10 |