

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 136

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 3, 2001-02

DURATION IN YRS IS... 2.0

R 15 NAME=PBR 8

X= 0.9KM, Y= 0.7KM, Z= 28.0M, DIST= 1.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.20E+00	3.62E-02	3.55E-02	4.17E-02	3.77E-02	6.94E+01
CHILD	TOTALS	4.20E+00	3.67E-02	3.61E-02	3.88E-02	3.68E-02	6.94E+01
TEENAGE	TOTALS	4.20E+00	4.25E-02	3.58E-02	3.70E-02	3.62E-02	6.94E+01
ADULT	TOTALS	4.20E+00	3.85E-02	3.54E-02	3.64E-02	3.57E-02	6.94E+01

NUMBER 16 NAME=Glenrock

X= -26.6KM, Y= -16.4KM, Z=-162.0M, DIST= 31.2KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.36E-03	6.47E-04	5.26E-04	1.55E-03	8.97E-04	4.85E-02
CHILD	TOTALS	3.34E-03	7.27E-04	6.20E-04	1.08E-03	7.39E-04	4.85E-02
TEENAGE	TOTALS	3.36E-03	1.69E-03	5.80E-04	7.76E-04	6.37E-04	4.85E-02
ADULT	TOTALS	3.33E-03	1.03E-03	5.05E-04	6.68E-04	5.58E-04	4.85E-02

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 137

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 3, 2001-02

DURATION IN YRS IS... 2.0

R 17 NAME=Douglas

X= 13.9KM, Y= -28.2KM, Z=-177.9M, DIST= 31.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.62E-03	7.60E-04	6.05E-04	1.92E-03	1.08E-03	5.18E-02
CHILD	TOTALS	3.59E-03	8.64E-04	7.26E-04	1.31E-03	8.79E-04	5.18E-02
TEENAGE	TOTALS	3.62E-03	2.10E-03	6.75E-04	9.26E-04	7.48E-04	5.18E-02
ADULT	TOTALS	3.58E-03	1.25E-03	5.78E-04	7.87E-04	6.46E-04	5.18E-02

NUMBER 18 NAME=Casper

X=-110.9KM, Y= -17.6KM, Z=-115.4M, DIST= 112.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.46E-03	1.30E-03	8.60E-04	4.73E-03	2.26E-03	3.04E-02
CHILD	TOTALS	2.37E-03	1.61E-03	1.21E-03	2.93E-03	1.65E-03	3.04E-02
TEENAGE	TOTALS	2.44E-03	5.25E-03	1.06E-03	1.79E-03	1.27E-03	3.04E-02
ADULT	TOTALS	2.32E-03	2.74E-03	7.70E-04	1.38E-03	9.68E-04	3.04E-02

R 19 NAME=Highlands Mine X= 13.4KM, Y= 1.6KM, Z= -81.5M, DIST= 13.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.24E-02	6.99E-03	6.10E-03	1.37E-02	8.84E-03	9.50E-01
CHILD	TOTALS	6.23E-02	7.59E-03	6.80E-03	1.02E-02	7.68E-03	9.50E-01
TEENAGE	TOTALS	6.24E-02	1.47E-02	6.51E-03	7.94E-03	6.92E-03	9.50E-01
ADULT	TOTALS	6.22E-02	9.79E-03	5.95E-03	7.15E-03	6.34E-03	9.50E-01

NUMBER 20 NAME=DWSAT1

X= -1.1KM, Y= 4.4KM, Z= 22.0M, DIST= 4.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.46E-01	1.13E-02	1.06E-02	1.63E-02	1.27E-02	3.93E+00
CHILD	TOTALS	2.46E-01	1.17E-02	1.11E-02	1.36E-02	1.18E-02	3.93E+00
TEENAGE	TOTALS	2.46E-01	1.70E-02	1.09E-02	1.20E-02	1.12E-02	3.93E+00
ADULT	TOTALS	2.45E-01	1.34E-02	1.05E-02	1.14E-02	1.08E-02	3.93E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 139

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 3, 2001-02

DURATION IN YRS IS... 2.0

R 21 NAME=DWSAT2 X= -4.8KM, Y= 0.3KM, Z= 38.0M, DIST= 4.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.88E-01	1.96E-02	1.87E-02	2.68E-02	2.16E-02	7.85E+00
CHILD	TOTALS	4.88E-01	2.03E-02	1.94E-02	2.30E-02	2.04E-02	7.85E+00
TEENAGE	TOTALS	4.88E-01	2.79E-02	1.91E-02	2.06E-02	1.95E-02	7.85E+00
ADULT	TOTALS	4.88E-01	2.26E-02	1.85E-02	1.98E-02	1.89E-02	7.85E+00

NUMBER 22 NAME=DWPF

X= 1.1KM, Y= 2.8KM, Z= 10.0M, DIST= 3.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.03E+00	2.16E-02	2.08E-02	2.75E-02	2.33E-02	1.68E+01
CHILD	TOTALS	1.03E+00	2.21E-02	2.14E-02	2.44E-02	2.22E-02	1.68E+01
TEENAGE	TOTALS	1.03E+00	2.84E-02	2.12E-02	2.25E-02	2.16E-02	1.68E+01
ADULT	TOTALS	1.03E+00	2.41E-02	2.07E-02	2.18E-02	2.10E-02	1.68E+01

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.962E+01	1.664E+01	4.662E+00	1.825E+00	2.339E-06	4.758E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.264E+01	1.123E+01	3.276E+00	1.361E+00	2.129E-06	3.325E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.158E+00	8.351E+00	2.630E+00	1.161E+00	2.311E-06	2.627E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.298E+00	6.829E+00	2.452E+00	1.190E+00	3.020E-06	2.390E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.629E+00	3.556E+00	1.735E+00	9.915E-01	4.128E-06	1.616E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.342E-01	9.337E-01	6.818E-01	4.971E-01	3.734E-06	6.273E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.560E-01	3.562E-01	3.133E-01	2.679E-01	3.266E-06	2.955E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.917E-01	1.918E-01	1.810E-01	1.666E-01	2.927E-06	1.737E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.221E-01	1.221E-01	1.189E-01	1.137E-01	2.679E-06	1.153E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.570E-02	8.574E-02	8.475E-02	8.273E-02	2.486E-06	8.266E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.408E-02	6.412E-02	6.386E-02	6.307E-02	2.331E-06	6.251E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.008E-02	5.010E-02	5.011E-02	4.982E-02	2.202E-06	4.915E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.318E+01	1.318E+01	1.318E+01	4.872E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.894E+00	8.894E+00	8.894E+00	4.434E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.615E+00	6.615E+00	6.615E+00	4.815E+00
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.409E+00	5.409E+00	5.409E+00	6.291E+00
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.817E+00	2.817E+00	2.817E+00	8.598E+00
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.395E-01	7.395E-01	7.395E-01	7.778E+00
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.821E-01	2.821E-01	2.821E-01	6.803E+00
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.519E-01	1.519E-01	1.519E-01	6.098E+00
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.673E-02	9.673E-02	9.673E-02	5.580E+00
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.791E-02	6.791E-02	6.791E-02	5.179E+00
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.078E-02	5.078E-02	5.078E-02	4.855E+00
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.968E-02	3.968E-02	3.968E-02	4.586E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	7.017E-09
2.5	0.000E+00	0.000E+00	0.000E+00	6.386E-09
3.5	0.000E+00	0.000E+00	0.000E+00	6.934E-09
4.5	0.000E+00	0.000E+00	0.000E+00	9.061E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.238E-08
15.0	0.000E+00	0.000E+00	0.000E+00	1.120E-08
25.0	0.000E+00	0.000E+00	0.000E+00	9.797E-09
35.0	0.000E+00	0.000E+00	0.000E+00	8.782E-09
45.0	0.000E+00	0.000E+00	0.000E+00	8.036E-09
55.0	0.000E+00	0.000E+00	0.000E+00	7.458E-09
65.0	0.000E+00	0.000E+00	0.000E+00	6.992E-09
75.0	0.000E+00	0.000E+00	0.000E+00	6.605E-09

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 141
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.217E+01	5.322E+01	1.545E+01	6.037E+00	7.606E-06	1.557E-04
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.065E+01	2.885E+01	1.164E+01	5.821E+00	1.089E-05	1.104E-04
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.985E+01	1.931E+01	9.444E+00	5.345E+00	1.343E-05	8.771E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.449E+01	1.429E+01	7.960E+00	4.860E+00	1.531E-05	7.321E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.723E+00	7.707E+00	5.388E+00	3.761E+00	1.849E-05	4.928E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.292E+00	3.293E+00	2.868E+00	2.396E+00	2.082E-05	2.687E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.734E+00	1.735E+00	1.652E+00	1.529E+00	2.110E-05	1.586E-05
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.129E+00	1.130E+00	1.109E+00	1.070E+00	2.069E-05	1.078E-05
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.163E-01	8.168E-01	8.114E-01	7.975E-01	2.008E-05	7.930E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.279E-01	6.282E-01	6.275E-01	6.226E-01	1.943E-05	6.151E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.033E-01	5.036E-01	5.044E-01	5.029E-01	1.880E-05	4.952E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.156E-01	4.158E-01	4.171E-01	4.170E-01	1.820E-05	4.098E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.215E+01	4.215E+01	4.215E+01	1.584E+01
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.285E+01	2.285E+01	2.285E+01	2.269E+01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.530E+01	1.530E+01	1.530E+01	2.797E+01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.132E+01	1.132E+01	1.132E+01	3.189E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.104E+00	6.104E+00	6.104E+00	3.851E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.608E+00	2.608E+00	2.608E+00	4.336E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.374E+00	1.374E+00	1.374E+00	4.394E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.951E-01	8.951E-01	8.951E-01	4.309E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.469E-01	6.469E-01	6.469E-01	4.182E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.976E-01	4.976E-01	4.976E-01	4.047E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.989E-01	3.989E-01	3.989E-01	3.916E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.294E-01	3.294E-01	3.294E-01	3.792E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	2.282E-08
2.5	0.000E+00	0.000E+00	0.000E+00	3.267E-08
3.5	0.000E+00	0.000E+00	0.000E+00	4.029E-08
4.5	0.000E+00	0.000E+00	0.000E+00	4.593E-08
7.5	0.000E+00	0.000E+00	0.000E+00	5.546E-08
15.0	0.000E+00	0.000E+00	0.000E+00	6.245E-08
25.0	0.000E+00	0.000E+00	0.000E+00	6.329E-08
35.0	0.000E+00	0.000E+00	0.000E+00	6.206E-08
45.0	0.000E+00	0.000E+00	0.000E+00	6.023E-08
55.0	0.000E+00	0.000E+00	0.000E+00	5.829E-08
65.0	0.000E+00	0.000E+00	0.000E+00	5.640E-08
75.0	0.000E+00	0.000E+00	0.000E+00	5.461E-08

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 142
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.291E+01	2.025E+01	6.296E+00	2.453E+00	2.836E-06	6.193E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.155E+01	1.106E+01	4.751E+00	2.389E+00	4.095E-06	4.439E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.345E+00	8.199E+00	4.308E+00	2.498E+00	5.951E-06	3.960E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.576E+00	6.523E+00	3.903E+00	2.461E+00	7.495E-06	3.569E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.674E+00	3.670E+00	2.692E+00	1.939E+00	9.314E-06	2.466E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.330E+00	1.331E+00	1.183E+00	1.008E+00	8.702E-06	1.113E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.680E-01	6.684E-01	6.426E-01	6.025E-01	8.462E-06	6.193E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.174E-01	4.176E-01	4.120E-01	4.007E-01	8.059E-06	4.013E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.894E-01	2.895E-01	2.884E-01	2.849E-01	7.556E-06	2.823E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.161E-01	2.162E-01	2.163E-01	2.152E-01	7.136E-06	2.122E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.694E-01	1.695E-01	1.699E-01	1.697E-01	6.779E-06	1.669E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.375E-01	1.375E-01	1.380E-01	1.381E-01	6.471E-06	1.357E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.604E+01	1.604E+01	1.604E+01	5.908E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.758E+00	8.758E+00	8.758E+00	8.529E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.494E+00	6.494E+00	6.494E+00	1.240E+01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.167E+00	5.167E+00	5.167E+00	1.561E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.907E+00	2.907E+00	2.907E+00	1.940E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.054E+00	1.054E+00	1.054E+00	1.813E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.294E-01	5.294E-01	5.294E-01	1.763E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.308E-01	3.308E-01	3.308E-01	1.679E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.293E-01	2.293E-01	2.293E-01	1.574E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.712E-01	1.712E-01	1.712E-01	1.486E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.342E-01	1.342E-01	1.342E-01	1.412E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.089E-01	1.089E-01	1.089E-01	1.348E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	8.508E-09
2.5	0.000E+00	0.000E+00	0.000E+00	1.228E-08
3.5	0.000E+00	0.000E+00	0.000E+00	1.785E-08
4.5	0.000E+00	0.000E+00	0.000E+00	2.249E-08
7.5	0.000E+00	0.000E+00	0.000E+00	2.794E-08
15.0	0.000E+00	0.000E+00	0.000E+00	2.611E-08
25.0	0.000E+00	0.000E+00	0.000E+00	2.539E-08
35.0	0.000E+00	0.000E+00	0.000E+00	2.418E-08
45.0	0.000E+00	0.000E+00	0.000E+00	2.267E-08
55.0	0.000E+00	0.000E+00	0.000E+00	2.141E-08
65.0	0.000E+00	0.000E+00	0.000E+00	2.034E-08
75.0	0.000E+00	0.000E+00	0.000E+00	1.941E-08

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.377E+01	2.722E+01	6.511E+00	2.105E+00	1.673E-06	6.890E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.292E+01	1.644E+01	4.336E+00	1.774E+00	2.353E-06	4.553E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.449E+01	1.206E+01	3.730E+00	1.712E+00	3.083E-06	3.771E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.081E+01	9.979E+00	3.790E+00	1.886E+00	4.020E-06	3.653E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.022E+00	4.973E+00	2.825E+00	1.751E+00	6.420E-06	2.598E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.655E+00	1.655E+00	1.355E+00	1.065E+00	7.996E-06	1.255E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.271E-01	8.276E-01	7.720E-01	6.925E-01	8.194E-06	7.349E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.150E-01	5.153E-01	5.018E-01	4.775E-01	8.123E-06	4.856E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.603E-01	3.605E-01	3.571E-01	3.488E-01	7.915E-06	3.483E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.711E-01	2.712E-01	2.707E-01	2.678E-01	7.663E-06	2.651E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.139E-01	2.140E-01	2.143E-01	2.134E-01	7.407E-06	2.103E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.744E-01	1.745E-01	1.751E-01	1.750E-01	7.161E-06	1.720E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.156E+01	2.156E+01	2.156E+01	3.485E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.302E+01	1.302E+01	1.302E+01	4.902E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.549E+00	9.549E+00	9.549E+00	6.422E+00
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.904E+00	7.904E+00	7.904E+00	8.374E+00
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.939E+00	3.939E+00	3.939E+00	1.337E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.311E+00	1.311E+00	1.311E+00	1.666E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.555E-01	6.555E-01	6.555E-01	1.707E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.081E-01	4.081E-01	4.081E-01	1.692E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.856E-01	2.856E-01	2.856E-01	1.649E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.148E-01	2.148E-01	2.148E-01	1.596E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.695E-01	1.695E-01	1.695E-01	1.543E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.382E-01	1.382E-01	1.382E-01	1.492E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	5.020E-09
2.5	0.000E+00	0.000E+00	0.000E+00	7.060E-09
3.5	0.000E+00	0.000E+00	0.000E+00	9.249E-09
4.5	0.000E+00	0.000E+00	0.000E+00	1.206E-08
7.5	0.000E+00	0.000E+00	0.000E+00	1.926E-08
15.0	0.000E+00	0.000E+00	0.000E+00	2.399E-08
25.0	0.000E+00	0.000E+00	0.000E+00	2.458E-08
35.0	0.000E+00	0.000E+00	0.000E+00	2.437E-08
45.0	0.000E+00	0.000E+00	0.000E+00	2.374E-08
55.0	0.000E+00	0.000E+00	0.000E+00	2.299E-08
65.0	0.000E+00	0.000E+00	0.000E+00	2.222E-08
75.0	0.000E+00	0.000E+00	0.000E+00	2.148E-08

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.507E-06	5.454E-06	1.193E-06	3.209E-06	1.958E-06	4.545E-06	4.263E-06	4.028E-06
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.280E-06	2.632E-06	2.773E-06	1.108E-05	5.452E-06	1.600E-05	2.601E-05	4.055E-05
NE	0.000E+00	1.109E-06	0.000E+00	0.000E+00	2.203E-06	2.254E-06	2.244E-06	4.406E-06	8.605E-06	8.384E-06	6.121E-06	9.930E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.226E-06	4.446E-06	4.397E-06	8.540E-06	2.890E-05	3.590E-05	1.542E-05	3.733E-06
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.749E-06	1.520E-05	7.706E-06	3.780E-05	5.137E-05	2.842E-05	2.063E-05	1.132E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.203E-06	1.362E-05	1.303E-05	1.240E-05	8.849E-05	1.125E-04	5.921E-05	6.716E-05
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.496E-06	1.158E-05	1.494E-05	4.463E-05	2.026E-03	4.631E-05	3.554E-05	4.102E-05
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.905E-05	1.774E-05	1.999E-04	5.701E-04	1.262E-03	8.029E-05	6.553E-05	7.542E-05
S	0.000E+00	0.000E+00	0.000E+00	2.189E-06	3.060E-05	2.860E-05	1.144E-04	2.356E-05	7.181E-05	5.218E-05	3.471E-05	4.735E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.389E-05	3.232E-05	1.601E-04	5.018E-05	2.450E-05	1.584E-05	1.534E-05	7.427E-06
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.207E-05	2.108E-05	1.238E-03	3.586E-05	3.168E-05	2.247E-05	7.125E-06	6.810E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.013E-05	1.291E-05	6.090E-05	1.315E-05	8.654E-04	8.382E-03	5.929E-03	1.679E-04
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.875E-05	2.628E-05	8.380E-05	1.187E-05	3.182E-05	2.690E-04	3.034E-04	1.153E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.970E-07	3.143E-05	4.274E-05	4.106E-06	4.169E-05	4.561E-05	2.044E-05	8.032E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.527E-05	2.834E-05	6.131E-06	1.445E-06	1.358E-06	8.344E-05	1.647E-04	1.165E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.429E-06	3.010E-05	1.050E-05	3.407E-06	3.291E-06	6.345E-06	6.119E-06	8.861E-06

TOTAL DOSE COMMITMENT IS 2.444E-02 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 145
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.223E-05	4.425E-05	9.675E-06	2.602E-05	1.587E-05	3.683E-05	3.452E-05	3.261E-05
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.473E-05	2.136E-05	2.249E-05	8.985E-05	4.418E-05	1.296E-04	2.106E-04	3.283E-04
NE	0.000E+00	9.002E-06	0.000E+00	0.000E+00	1.788E-05	1.828E-05	1.820E-05	3.573E-05	6.976E-05	6.795E-05	4.960E-05	8.044E-05
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.429E-05	3.606E-05	3.566E-05	6.924E-05	2.342E-04	2.909E-04	1.249E-04	3.023E-05
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.476E-05	1.233E-04	6.249E-05	3.064E-04	4.163E-04	2.302E-04	1.671E-04	9.167E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.599E-05	1.105E-04	1.056E-04	1.006E-04	7.170E-04	9.114E-04	4.794E-04	5.436E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.648E-05	9.391E-05	1.212E-04	3.618E-04	1.642E-02	3.752E-04	2.878E-04	3.322E-04
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.169E-04	1.439E-04	1.621E-03	4.622E-03	1.023E-02	6.505E-04	5.307E-04	6.106E-04
S	0.000E+00	0.000E+00	0.000E+00	1.776E-05	2.483E-04	2.320E-04	9.275E-04	1.910E-04	5.820E-04	4.228E-04	2.811E-04	3.834E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.750E-04	2.622E-04	1.299E-03	4.069E-04	1.985E-04	1.284E-04	1.242E-04	6.014E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.791E-04	1.710E-04	1.004E-02	2.908E-04	2.568E-04	1.821E-04	5.772E-05	5.514E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.222E-05	1.048E-04	4.939E-04	1.066E-04	7.015E-03	6.792E-02	4.803E-02	1.360E-03
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.521E-04	2.132E-04	6.796E-04	9.625E-05	2.579E-04	2.179E-03	2.457E-03	9.335E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.091E-06	2.551E-04	3.467E-04	3.330E-05	3.381E-04	3.699E-04	1.657E-04	6.512E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.239E-04	2.299E-04	4.971E-05	1.171E-05	1.100E-05	6.758E-04	1.334E-03	9.427E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.159E-05	2.442E-04	8.512E-05	2.762E-05	2.667E-05	5.139E-05	4.954E-05	7.171E-05

TOTAL DOSE COMMITMENT IS 1.980E-01 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 146
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.746E-07	6.417E-07	1.431E-07	3.926E-07	2.443E-07	5.782E-07	5.528E-07	5.326E-07
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.957E-07	3.095E-07	3.322E-07	1.352E-06	6.770E-07	2.021E-06	3.342E-06	5.298E-06
NE	0.000E+00	1.276E-07	0.000E+00	0.000E+00	2.555E-07	2.646E-07	2.674E-07	5.326E-07	1.055E-06	1.042E-06	7.706E-07	1.267E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.903E-07	5.233E-07	5.270E-07	1.041E-06	3.584E-06	4.528E-06	1.978E-06	4.866E-07
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.830E-07	1.792E-06	9.265E-07	4.633E-06	6.418E-06	3.618E-06	2.676E-06	1.496E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.722E-07	1.608E-06	1.571E-06	1.527E-06	1.112E-05	1.442E-05	7.744E-06	8.959E-06
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.223E-07	1.364E-06	1.793E-06	5.456E-06	2.522E-04	5.870E-06	4.586E-06	5.388E-06
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.526E-06	2.088E-06	2.400E-05	6.985E-05	1.577E-04	1.023E-05	8.516E-06	9.991E-06
S	0.000E+00	0.000E+00	0.000E+00	2.522E-07	3.545E-06	3.362E-06	1.371E-05	2.880E-06	8.952E-06	6.633E-06	4.498E-06	6.253E-07
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.919E-06	3.791E-06	1.915E-05	6.113E-06	3.039E-06	2.002E-06	1.973E-06	9.726E-07
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.547E-06	2.468E-06	1.476E-04	4.353E-06	3.916E-06	2.828E-06	9.126E-07	8.876E-07
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.169E-06	1.511E-06	7.253E-06	1.595E-06	1.069E-04	1.054E-03	7.589E-04	2.188E-05
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.165E-06	3.080E-06	1.002E-05	1.447E-06	3.954E-06	3.407E-05	3.917E-05	1.516E-05
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.148E-07	3.638E-06	4.991E-06	4.840E-07	4.962E-06	5.482E-06	2.481E-06	9.844E-07
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.766E-06	3.332E-06	7.386E-07	1.784E-07	1.716E-07	1.079E-05	2.181E-05	1.578E-06
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.655E-07	3.543E-06	1.265E-06	4.203E-07	4.155E-07	8.196E-07	8.084E-07	1.197E-06

TOTAL DOSE COMMITMENT IS 3.068E-03 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 147
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.268E-02	2.335E-02	2.225E-03	3.594E-03	1.526E-03	2.678E-03	2.003E-03	1.565E-03
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.676E-02	1.558E-02	7.805E-03	1.969E-02	6.970E-03	1.586E-02	2.097E-02	2.749E-02
NE	0.000E+00	8.685E-02	0.000E+00	0.000E+00	3.505E-02	1.413E-02	7.111E-03	8.999E-03	1.277E-02	9.706E-03	5.788E-03	7.920E-03
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.903E-02	1.597E-02	8.174E-03	1.047E-02	2.624E-02	2.581E-02	9.164E-03	1.888E-03
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.827E-02	4.114E-02	1.084E-02	3.530E-02	3.571E-02	1.570E-02	9.437E-03	4.416E-02
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.677E-02	2.770E-02	1.407E-02	9.055E-03	4.853E-02	4.927E-02	2.153E-02	2.084E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.774E-02	2.884E-02	1.971E-02	3.938E-02	1.339E+00	2.442E-02	1.557E-02	1.535E-02
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.491E-01	4.203E-02	2.441E-01	4.608E-01	7.578E-01	3.823E-02	2.580E-02	2.527E-02
S	0.000E+00	0.000E+00	0.000E+00	3.288E-02	2.067E-01	7.484E-02	1.545E-01	2.087E-02	4.703E-02	2.701E-02	1.482E-02	1.718E-03
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.152E-01	1.109E-01	2.652E-01	5.376E-02	1.919E-02	9.736E-03	7.738E-03	3.172E-03
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.873E-01	1.062E-01	2.363E+00	4.118E-02	2.591E-02	1.424E-02	3.679E-03	2.964E-03
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.612E-01	7.050E-02	1.167E-01	1.512E-02	7.080E-01	5.308E+00	3.058E+00	7.300E-02
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.511E-01	9.308E-02	1.447E-01	1.287E-02	2.477E-02	1.627E-01	1.497E-01	4.797E-02
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.870E-02	2.073E-01	1.124E-01	6.484E-03	4.678E-02	3.954E-02	1.441E-02	4.764E-03
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.573E-02	5.142E-02	5.415E-03	8.306E-04	5.757E-04	2.792E-02	4.537E-02	2.719E-03
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.546E-03	5.965E-02	9.856E-03	2.077E-03	1.478E-03	2.249E-03	1.785E-03	2.192E-03

TOTAL DOSE COMMITMENT IS 1.976E+01 PERSON-REM/YR

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.597E-06	2.934E-06	3.158E-07	5.785E-07	2.773E-07	5.459E-07	4.542E-07	3.920E-07
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.765E-06	1.903E-06	1.032E-06	2.823E-06	1.081E-06	2.650E-06	3.762E-06	5.276E-06
NE	0.000E+00	8.583E-06	0.000E+00	0.000E+00	4.043E-06	1.721E-06	9.255E-07	1.255E-06	1.906E-06	1.547E-06	9.823E-07	1.427E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.631E-06	2.046E-06	1.161E-06	1.642E-06	4.515E-06	4.839E-06	1.861E-06	4.130E-07
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.815E-06	5.473E-06	1.639E-06	6.016E-06	6.787E-06	3.294E-06	2.169E-06	1.104E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.069E-06	3.865E-06	2.289E-06	1.688E-06	1.022E-05	1.158E-05	5.596E-06	5.941E-06
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.381E-06	3.886E-06	3.031E-06	6.844E-06	2.598E-04	5.237E-06	3.659E-06	3.926E-06
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.028E-05	5.709E-06	3.833E-05	8.263E-05	1.532E-04	8.614E-06	6.417E-06	6.883E-06
S	0.000E+00	0.000E+00	0.000E+00	3.810E-06	2.501E-05	1.001E-05	2.361E-05	3.622E-06	9.159E-06	5.844E-06	3.530E-06	4.471E-07
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.739E-05	1.429E-05	3.860E-05	8.770E-06	3.481E-06	1.948E-06	1.695E-06	7.554E-07
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.344E-05	1.302E-05	3.338E-04	6.579E-06	4.627E-06	2.812E-06	7.968E-07	6.988E-07
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.853E-05	8.643E-06	1.647E-05	2.415E-06	1.264E-04	1.049E-03	6.627E-04	1.723E-05
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.916E-05	1.195E-05	2.087E-05	2.092E-06	4.505E-06	3.278E-05	3.314E-05	1.158E-05
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.299E-06	2.517E-05	1.502E-05	9.539E-07	7.527E-06	6.915E-06	2.724E-06	9.684E-07
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.163E-05	7.339E-06	9.409E-07	1.712E-07	1.377E-07	7.613E-06	1.392E-05	9.287E-07
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.043E-06	8.365E-06	1.677E-06	4.172E-07	3.431E-07	5.931E-07	5.284E-07	7.205E-07

TOTAL DOSE COMMITMENT IS 3.540E-03 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 149
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.945E-05	1.140E-04	1.498E-05	2.767E-05	1.252E-05	2.272E-05	1.729E-05	1.365E-05
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.847E-04	6.535E-05	4.568E-05	1.360E-04	5.280E-05	1.270E-04	1.738E-04	2.329E-04
NE	0.000E+00	9.785E-05	0.000E+00	0.000E+00	9.650E-05	6.502E-05	4.454E-05	6.533E-05	1.004E-04	7.980E-05	4.888E-05	6.799E-05
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.506E-04	9.410E-05	6.027E-05	8.468E-05	2.214E-04	2.224E-04	7.983E-05	1.655E-05
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.172E-04	2.689E-04	8.455E-05	2.942E-04	3.063E-04	1.365E-04	8.264E-05	3.881E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.996E-05	2.012E-04	1.159E-04	7.754E-05	4.220E-04	4.315E-04	1.893E-04	1.836E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.396E-04	2.034E-04	1.612E-04	3.375E-04	1.167E-02	2.145E-04	1.372E-04	1.355E-04
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.258E-03	2.987E-04	2.001E-03	3.949E-03	6.602E-03	3.354E-04	2.271E-04	2.228E-04
S	0.000E+00	0.000E+00	0.000E+00	1.158E-04	1.003E-03	5.078E-04	1.231E-03	1.761E-04	4.062E-04	2.358E-04	1.301E-04	1.513E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.290E-03	6.731E-04	2.001E-03	4.396E-04	1.628E-04	8.414E-05	6.753E-05	2.783E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.994E-04	5.184E-04	1.723E-02	3.362E-04	2.207E-04	1.235E-04	3.220E-05	2.605E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.008E-04	3.328E-04	8.595E-04	1.245E-04	6.065E-03	4.622E-02	2.683E-02	6.427E-04
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.266E-04	5.428E-04	1.077E-03	1.052E-04	2.107E-04	1.410E-03	1.309E-03	4.216E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.188E-05	1.359E-03	9.278E-04	5.626E-05	4.109E-04	3.486E-04	1.272E-04	4.207E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.987E-04	3.793E-04	4.498E-05	7.159E-06	5.030E-06	2.453E-04	3.997E-04	2.399E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.361E-05	4.224E-04	8.147E-05	1.790E-05	1.292E-05	1.976E-05	1.573E-05	1.934E-05

TOTAL DOSE COMMITMENT IS 1.554E-01 PERSON-REM/YR

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED BY THE POPULATION OF THIS REGION. SEE SUMMARY TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, 2003-04
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING
EXPRESSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 152
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.608E-07	3.957E-07	6.012E-07	1.010E-06	1.151E-05	4.164E-05	6.072E-05	7.615E-05	8.961E-05	1.017E-04	1.127E-04	1.228E-04
NNE	4.381E-07	8.220E-07	1.243E-06	1.648E-06	1.635E-05	8.039E-05	1.411E-04	1.972E-04	2.495E-04	2.982E-04	3.437E-04	3.862E-04
NE	5.250E-07	9.416E-07	1.347E-06	1.887E-06	1.683E-05	6.882E-05	1.142E-04	1.569E-04	1.969E-04	2.345E-04	2.697E-04	3.028E-04
ENE	7.539E-07	1.560E-06	2.489E-06	3.472E-06	3.228E-05	1.358E-04	2.238E-04	3.040E-04	3.778E-04	4.461E-04	5.097E-04	5.690E-04
E	8.482E-07	2.025E-06	3.493E-06	5.122E-06	5.155E-05	2.321E-04	3.922E-04	5.381E-04	6.716E-04	7.946E-04	9.086E-04	1.015E-03
ESE	5.298E-07	1.127E-06	1.823E-06	2.575E-06	2.447E-05	1.040E-04	1.657E-04	2.207E-04	2.699E-04	3.145E-04	3.556E-04	3.935E-04
SE	3.642E-07	7.643E-07	1.245E-06	1.771E-06	1.717E-05	7.070E-05	1.086E-04	1.444E-04	1.772E-04	2.072E-04	2.348E-04	2.605E-04
SSE	4.363E-07	1.003E-06	1.704E-06	2.611E-06	2.983E-05	1.355E-04	2.312E-04	3.171E-04	3.983E-04	4.726E-04	5.412E-04	6.048E-04
S	3.163E-07	7.612E-07	1.548E-06	2.507E-06	2.597E-05	9.703E-05	1.573E-04	2.096E-04	2.528E-04	2.918E-04	3.276E-04	3.608E-04
SSW	3.186E-07	9.957E-07	1.857E-06	2.644E-06	2.589E-05	1.234E-04	2.145E-04	2.977E-04	3.737E-04	4.430E-04	5.068E-04	5.659E-04
SW	1.920E-07	5.951E-07	8.973E-07	1.524E-06	1.873E-05	7.152E-05	1.152E-04	1.502E-04	1.813E-04	2.095E-04	2.354E-04	2.595E-04
WSW	1.337E-07	3.214E-07	6.751E-07	9.729E-07	9.675E-06	4.382E-05	7.749E-05	1.040E-04	1.278E-04	1.495E-04	1.696E-04	1.882E-04
W	1.866E-07	4.375E-07	8.019E-07	1.345E-06	1.790E-05	8.916E-05	1.523E-04	2.113E-04	2.648E-04	3.133E-04	3.580E-04	3.993E-04
WNW	1.088E-07	1.499E-07	3.002E-07	5.526E-07	7.617E-06	4.801E-05	9.891E-05	1.462E-04	1.909E-04	2.321E-04	2.704E-04	3.064E-04
NW	1.742E-07	3.207E-07	5.350E-07	9.370E-07	1.166E-05	4.807E-05	7.800E-05	1.029E-04	1.242E-04	1.435E-04	1.612E-04	1.774E-04
NNW	2.444E-07	4.263E-07	8.956E-07	1.238E-06	1.091E-05	5.407E-05	8.904E-05	1.213E-04	1.506E-04	1.774E-04	2.021E-04	2.249E-04

TOTAL DOSE COMMITMENT IS 2.813E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 153
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.951E-06	4.477E-06	6.803E-06	1.143E-05	1.302E-04	4.711E-04	6.870E-04	8.616E-04	1.014E-03	1.150E-03	1.275E-03	1.389E-03
NNE	4.957E-06	9.300E-06	1.406E-05	1.865E-05	1.849E-04	9.095E-04	1.597E-03	2.232E-03	2.823E-03	3.374E-03	3.888E-03	4.370E-03
NE	5.940E-06	1.065E-05	1.524E-05	2.135E-05	1.904E-04	7.786E-04	1.292E-03	1.775E-03	2.228E-03	2.653E-03	3.052E-03	3.426E-03
ENE	8.529E-06	1.765E-05	2.816E-05	3.928E-05	3.652E-04	1.536E-03	2.532E-03	3.439E-03	4.275E-03	5.047E-03	5.766E-03	6.438E-03
E	9.597E-06	2.291E-05	3.952E-05	5.795E-05	5.832E-04	2.626E-03	4.437E-03	6.089E-03	7.599E-03	8.990E-03	1.028E-02	1.148E-02
ESE	5.994E-06	1.275E-05	2.063E-05	2.914E-05	2.768E-04	1.176E-03	1.875E-03	2.497E-03	3.054E-03	3.559E-03	4.023E-03	4.452E-03
SE	4.121E-06	8.647E-06	1.408E-05	2.004E-05	1.943E-04	7.999E-04	1.229E-03	1.634E-03	2.005E-03	2.344E-03	2.657E-03	2.947E-03
SSE	4.936E-06	1.135E-05	1.928E-05	2.954E-05	3.375E-04	1.533E-03	2.616E-03	3.587E-03	4.506E-03	5.347E-03	6.123E-03	6.843E-03
S	3.578E-06	8.613E-06	1.751E-05	2.837E-05	2.939E-04	1.098E-03	1.780E-03	2.372E-03	2.860E-03	3.302E-03	3.707E-03	4.082E-03
SSW	3.605E-06	1.127E-05	2.101E-05	2.991E-05	2.929E-04	1.396E-03	2.426E-03	3.369E-03	4.228E-03	5.012E-03	5.734E-03	6.403E-03
SW	2.173E-06	6.733E-06	1.015E-05	1.724E-05	2.119E-04	8.092E-04	1.304E-03	1.699E-03	2.051E-03	2.370E-03	2.664E-03	2.936E-03
WSW	1.513E-06	3.636E-06	7.638E-06	1.101E-05	1.095E-04	4.958E-04	8.768E-04	1.177E-03	1.446E-03	1.692E-03	1.919E-03	2.130E-03
W	2.111E-06	4.950E-06	9.073E-06	1.522E-05	2.026E-04	1.009E-03	1.723E-03	2.391E-03	2.996E-03	3.545E-03	4.050E-03	4.518E-03
WNW	1.231E-06	1.697E-06	3.396E-06	6.253E-06	8.618E-05	5.431E-04	1.119E-03	1.654E-03	2.160E-03	2.626E-03	3.060E-03	3.467E-03
NW	1.971E-06	3.629E-06	6.054E-06	1.060E-05	1.320E-04	5.439E-04	8.825E-04	1.164E-03	1.406E-03	1.624E-03	1.823E-03	2.007E-03
NNW	2.765E-06	4.824E-06	1.013E-05	1.401E-05	1.235E-04	6.117E-04	1.007E-03	1.372E-03	1.704E-03	2.007E-03	2.286E-03	2.545E-03

TOTAL DOSE COMMITMENT IS 3.183E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, 2003-04
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING
EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NWN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 4, 2003-04
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING
EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NMW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 156
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

ARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 4--DOSES SHOWN ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.444E-02	1.980E-01	3.068E-03	1.485E-01	7.138E-02	1.976E+01
GROUND	3.540E-03	3.540E-03	3.540E-03	3.540E-03	3.540E-03	3.540E-03
CLOUD	1.554E-01	1.554E-01	1.554E-01	1.554E-01	1.554E-01	1.554E-01
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	1.823E-02	2.063E-01	1.823E-02	6.663E-02	5.330E-02	1.823E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.016E-01	5.632E-01	1.803E-01	3.741E-01	2.836E-01	1.994E+01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	9.903E-03	1.120E-01	9.903E-03	3.619E-02	2.895E-02	9.903E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.113E+01	2.876E+02	4.784E+00	2.113E+01	2.113E+01	1.356E+02
TOTALS	2.114E+01	2.877E+02	4.794E+00	2.116E+01	2.116E+01	1.356E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.444E-02	1.980E-01	3.068E-03	1.485E-01	7.138E-02	1.976E+01
GROUND	3.540E-03	3.540E-03	3.540E-03	3.540E-03	3.540E-03	3.540E-03
CLOUD	1.554E-01	1.554E-01	1.554E-01	1.554E-01	1.554E-01	1.554E-01
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	2.813E-02	3.183E-01	2.813E-02	1.028E-01	8.225E-02	2.813E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.113E+01	2.876E+02	4.784E+00	2.113E+01	2.113E+01	1.356E+02
TOTALS	2.134E+01	2.882E+02	4.974E+00	2.154E+01	2.144E+01	1.556E+02

METSET: Casper

TIME STEP NUMBER 4, 2003-0

66/02/80

DURATION IN YRS IS.. 2.0

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

NO.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PC1/M3				GROUND CONCENTRATIONS, PC1/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Sundquist Rch.	1	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	Sundquist Rch.	2	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	Sundquist Rch.	3	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	Sundquist Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
3	Crouch Rch.	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Crouch Rch.	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Crouch Rch.	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	Crouch Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
4	Vollman Rch.	1	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	Vollman Rch.	2	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	Vollman Rch.	3	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	Vollman Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
5	Potts Draw House	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Potts Draw House	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Potts Draw House	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	Potts Draw House	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
6	Windmill House	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Windmill House	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Windmill House	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	Windmill House	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
7	Reynolds Rch.	1	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	Reynolds Rch.	2	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	Reynolds Rch.	3	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	Reynolds Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
8	PBR 1	1	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	PBR 1	2	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	PBR 1	3	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	PBR 1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										

No.	Name	PtSz	Airborne Concentrations, PCI/M3	U-238	Ra-226	Pb-210	Ground Concentrations, PCI/M2
9	PBR 2	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	PBR 2	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	PBR 2	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	PBR 2	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
10	PBR 3	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	PBR 3	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	PBR 3	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	PBR 3	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
11	PBR 4	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	PBR 4	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	PBR 4	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11	PBR 4	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
12	PBR 5	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	PBR 5	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	PBR 5	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	PBR 5	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
13	PBR 6	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	PBR 6	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	PBR 6	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	PBR 6	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
14	PBR 7	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	PBR 7	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	PBR 7	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14	PBR 7	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
15	PBR 8	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15	PBR 8	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15	PBR 8	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15	PBR 8	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
16	glenrock	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	glenrock	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	glenrock	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	glenrock	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS							0.000E+00
PtSZ			U-238	Tl-230	Ra-226	Pb-210	Pb-210

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

[illegible]

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 160

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3							GROUND CONCENTRATIONS, PCI/M2				
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.013E+00	9.866E-01	4.642E-01	2.562E-01	6.675E-07	2.576E-09	3.390E-13	4.325E-06	7.814E-01	7.814E-01	7.814E-01	1.900E-01
2	3.657E+00	3.656E+00	2.547E+00	1.573E+00	3.563E-06	1.561E-08	2.534E-12	2.254E-05	2.896E+00	2.896E+00	2.896E+00	9.846E-01
3	3.297E+00	3.242E+00	1.893E+00	1.192E+00	4.525E-06	2.469E-08	3.892E-12	1.738E-05	2.568E+00	2.568E+00	2.568E+00	1.273E+00
4	5.902E+00	5.753E+00	2.518E+00	1.304E+00	4.654E-06	2.676E-08	4.962E-12	2.355E-05	4.556E+00	4.556E+00	4.556E+00	1.348E+00
5	3.485E+00	3.427E+00	1.737E+00	9.833E-01	2.760E-06	1.052E-08	1.143E-12	1.601E-05	2.715E+00	2.715E+00	2.715E+00	8.498E-01
6	4.096E+00	4.042E+00	2.277E+00	1.370E+00	4.545E-06	2.140E-08	2.880E-12	2.082E-05	3.202E+00	3.202E+00	3.202E+00	1.254E+00
7	1.125E+00	1.125E+00	1.066E+00	9.766E-01	1.227E-05	2.884E-07	2.171E-10	1.021E-05	8.913E-01	8.913E-01	8.913E-01	3.402E+00
8	5.719E+00	5.695E+00	3.682E+00	2.432E+00	8.533E-06	4.084E-08	5.924E-12	3.361E-05	4.511E+00	4.511E+00	4.511E+00	2.387E+00
9	4.367E+00	3.671E+00	9.266E-01	3.467E-01	4.605E-07	1.510E-09	2.675E-13	9.772E-06	2.907E+00	2.907E+00	2.907E+00	1.245E-01
10	4.232E+00	4.215E+00	2.729E+00	1.795E+00	7.496E-06	4.463E-08	7.474E-12	2.487E-05	3.338E+00	3.338E+00	3.338E+00	2.140E+00
11	5.602E+00	4.976E+00	2.213E+00	1.324E+00	5.504E-06	3.874E-08	8.001E-12	2.128E-05	3.941E+00	3.941E+00	3.941E+00	1.496E+00
12	3.379E+00	3.306E+00	1.888E+00	1.173E+00	4.365E-06	2.402E-08	3.812E-12	1.735E-05	2.618E+00	2.618E+00	2.618E+00	1.218E+00
13	1.364E+01	1.337E+01	6.806E+00	3.928E+00	1.179E-05	5.295E-08	8.097E-12	6.293E-05	1.059E+01	1.059E+01	1.059E+01	3.234E+00
14	1.715E+01	1.550E+01	5.049E+00	2.299E+00	5.127E-06	1.929E-08	2.978E-12	5.014E-05	1.228E+01	1.228E+01	1.228E+01	1.295E+00
15	7.600E+01	5.419E+01	1.251E+01	4.974E+00	7.739E-06	2.080E-08	2.569E-12	1.378E-04	4.292E+01	4.292E+01	4.292E+01	1.804E+00
16	7.105E-02	7.109E-02	6.654E-02	5.984E-02	6.396E-07	1.369E-08	9.871E-12	6.338E-07	5.630E-02	5.630E-02	5.630E-02	1.860E-01
17	6.892E-02	6.895E-02	6.590E-02	6.103E-02	8.016E-07	1.949E-08	1.535E-11	6.328E-07	5.461E-02	5.461E-02	5.461E-02	2.355E-01
18	4.449E-02	4.451E-02	4.472E-02	4.484E-02	2.536E-06	2.133E-07	6.180E-10	4.398E-07	3.525E-02	3.525E-02	3.525E-02	7.242E-01
19	1.199E+00	1.199E+00	9.241E-01	6.858E-01	4.546E-06	5.378E-08	1.919E-11	8.478E-06	9.493E-01	9.493E-01	9.493E-01	1.345E+00
20	9.730E+00	8.961E+00	3.364E+00	1.813E+00	4.681E-06	1.725E-08	2.490E-12	3.305E-05	7.097E+00	7.097E+00	7.097E+00	1.226E+00
21	1.604E+01	1.492E+01	5.734E+00	2.776E+00	5.054E-06	1.481E-08	1.515E-12	5.479E-05	1.181E+01	1.181E+01	1.181E+01	1.467E+00
	2.108E+01	1.856E+01	5.714E+00	2.605E+00	5.018E-06	1.556E-08	2.193E-12	5.781E-05	1.470E+01	1.470E+01	1.470E+01	1.358E+00

R 1 NAME=Sundquist Rch. X= 0.1KM, Y= -4.1KM, Z= -80.4M, DIST= 4.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.94E-02	3.72E-03	3.51E-03	5.34E-03	4.17E-03	1.27E+00
CHILD	TOTALS	7.94E-02	3.87E-03	3.68E-03	4.49E-03	3.89E-03	1.27E+00
TEENAGE	TOTALS	7.94E-02	5.60E-03	3.61E-03	3.96E-03	3.71E-03	1.27E+00
ADULT	TOTALS	7.94E-02	4.41E-03	3.47E-03	3.76E-03	3.56E-03	1.27E+00

NUMBER 2 NAME=Lenzen Rch. X= -8.2KM, Y= 3.7KM, Z= 56.8M, DIST= 9.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.94E-01	2.17E-02	2.06E-02	3.03E-02	2.41E-02	4.59E+00
CHILD	TOTALS	2.94E-01	2.25E-02	2.14E-02	2.58E-02	2.26E-02	4.59E+00
TEENAGE	TOTALS	2.94E-01	3.17E-02	2.11E-02	2.29E-02	2.16E-02	4.59E+00
ADULT	TOTALS	2.94E-01	2.53E-02	2.03E-02	2.19E-02	2.09E-02	4.59E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 162

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

R 3 NAME=Crouch Rch. X= -8.1KM, Y= -2.5KM, Z= 41.6M, DIST= 8.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.63E-01	1.78E-02	1.64E-02	2.88E-02	2.09E-02	4.14E+00
CHILD	TOTALS	2.63E-01	1.88E-02	1.75E-02	2.30E-02	1.89E-02	4.14E+00
TEENAGE	TOTALS	2.63E-01	3.05E-02	1.70E-02	1.94E-02	1.77E-02	4.14E+00
ADULT	TOTALS	2.63E-01	2.24E-02	1.61E-02	1.81E-02	1.67E-02	4.14E+00

NUMBER 4 NAME=Vollman Rch. X= 1.8KM, Y= 6.6KM, Z= -10.3M, DIST= 6.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.61E-01	2.02E-02	1.87E-02	3.15E-02	2.33E-02	7.39E+00
CHILD	TOTALS	4.60E-01	2.12E-02	1.99E-02	2.56E-02	2.14E-02	7.39E+00
TEENAGE	TOTALS	4.61E-01	3.33E-02	1.94E-02	2.18E-02	2.01E-02	7.39E+00
ADULT	TOTALS	4.60E-01	2.50E-02	1.84E-02	2.05E-02	1.91E-02	7.39E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 163

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

R 5 NAME=Potts Draw House X= -2.7KM, Y= -4.5KM, Z= -43.8M, DIST= 5.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.74E-01	1.43E-02	1.34E-02	2.10E-02	1.62E-02	4.37E+00
CHILD	TOTALS	2.74E-01	1.49E-02	1.41E-02	1.75E-02	1.50E-02	4.37E+00
TEENAGE	TOTALS	2.74E-01	2.21E-02	1.38E-02	1.53E-02	1.43E-02	4.37E+00
ADULT	TOTALS	2.74E-01	1.72E-02	1.33E-02	1.45E-02	1.37E-02	4.37E+00

NUMBER 6 NAME=Windmill House X= -6.0KM, Y= -4.3KM, Z= -7.2M, DIST= 7.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.25E-01	2.02E-02	1.87E-02	3.12E-02	2.32E-02	5.14E+00
CHILD	TOTALS	3.25E-01	2.12E-02	1.98E-02	2.54E-02	2.13E-02	5.14E+00
TEENAGE	TOTALS	3.25E-01	3.29E-02	1.94E-02	2.17E-02	2.01E-02	5.14E+00
ADULT	TOTALS	3.25E-01	2.48E-02	1.84E-02	2.04E-02	1.91E-02	5.14E+00

R 7 NAME=Reynolds Rch. X= 26.3KM, Y= 11.1KM, Z= 16.9M, DIST= 28.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	9.87E-02	2.00E-02	1.61E-02	4.98E-02	2.82E-02	1.42E+00
CHILD	TOTALS	9.79E-02	2.27E-02	1.91E-02	3.41E-02	2.30E-02	1.42E+00
TEENAGE	TOTALS	9.85E-02	5.44E-02	1.78E-02	2.42E-02	1.97E-02	1.42E+00
ADULT	TOTALS	9.75E-02	3.25E-02	1.53E-02	2.07E-02	1.71E-02	1.42E+00

NUMBER 8 NAME=PBR 1

X= 0.9KM, Y= -5.2KM, Z= -2.0M, DIST= 5.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.60E-01	3.54E-02	3.27E-02	5.61E-02	4.12E-02	7.18E+00
CHILD	TOTALS	4.60E-01	3.73E-02	3.48E-02	4.52E-02	3.75E-02	7.18E+00
TEENAGE	TOTALS	4.60E-01	5.93E-02	3.39E-02	3.84E-02	3.52E-02	7.18E+00
ADULT	TOTALS	4.60E-01	4.42E-02	3.22E-02	3.59E-02	3.34E-02	7.18E+00

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat
TIME STEP NUMBER 4, 2003-04

PAGE 165
08/20/99
DURATION IN YRS IS... 2.0

9 NAME=PBR 2 X= -0.7KM, Y= -1.9KM, Z= -58.0M, DIST= 2.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.33E-01	5.46E-03	5.32E-03	6.58E-03	5.77E-03	5.46E+00
CHILD	TOTALS	3.33E-01	5.56E-03	5.43E-03	5.99E-03	5.58E-03	5.46E+00
TEENAGE	TOTALS	3.33E-01	6.75E-03	5.38E-03	5.62E-03	5.45E-03	5.46E+00
ADULT	TOTALS	3.33E-01	5.93E-03	5.29E-03	5.49E-03	5.35E-03	5.46E+00

NUMBER 10 NAME=PBR 3 X= -4.5KM, Y= -7.0KM, Z= -15.0M, DIST= 8.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.41E-01	2.71E-02	2.46E-02	4.52E-02	3.21E-02	5.31E+00
CHILD	TOTALS	3.40E-01	2.87E-02	2.65E-02	3.57E-02	2.89E-02	5.31E+00
TEENAGE	TOTALS	3.41E-01	4.81E-02	2.57E-02	2.96E-02	2.69E-02	5.31E+00
ADULT	TOTALS	3.40E-01	3.47E-02	2.42E-02	2.75E-02	2.53E-02	5.31E+00

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 166
08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

3 11 NAME=PBR 4 X= -8.4KM, Y= -6.2KM, Z= 65.0M, DIST= 10.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.38E-01	2.05E-02	1.87E-02	3.38E-02	2.42E-02	7.02E+00
CHILD	TOTALS	4.38E-01	2.17E-02	2.01E-02	2.68E-02	2.18E-02	7.02E+00
TEENAGE	TOTALS	4.38E-01	3.59E-02	1.95E-02	2.24E-02	2.03E-02	7.02E+00
ADULT	TOTALS	4.38E-01	2.61E-02	1.84E-02	2.08E-02	1.92E-02	7.02E+00

NUMBER 12 NAME=PBR 5

X= -7.2KM, Y= -4.5KM, Z= 6.0M, DIST= 8.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.69E-01	1.75E-02	1.61E-02	2.81E-02	2.04E-02	4.24E+00
CHILD	TOTALS	2.69E-01	1.85E-02	1.72E-02	2.25E-02	1.86E-02	4.24E+00
TEENAGE	TOTALS	2.69E-01	2.97E-02	1.67E-02	1.90E-02	1.74E-02	4.24E+00
ADULT	TOTALS	2.69E-01	2.20E-02	1.59E-02	1.78E-02	1.65E-02	4.24E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 167

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

R 13 NAME=PBR 6

X= 4.2KM, Y= 1.1KM, Z= -2.0M, DIST= 4.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.08E+00	5.76E-02	5.37E-02	8.62E-02	6.55E-02	1.71E+01
CHILD	TOTALS	1.07E+00	6.01E-02	5.67E-02	7.11E-02	6.05E-02	1.71E+01
TEENAGE	TOTALS	1.07E+00	9.06E-02	5.55E-02	6.16E-02	5.73E-02	1.71E+01
ADULT	TOTALS	1.07E+00	6.96E-02	5.31E-02	5.82E-02	5.47E-02	1.71E+01

NUMBER 14 NAME=PBR 7

X= 2.1KM, Y= 2.3KM, Z= 4.0M, DIST= 3.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.32E+00	3.50E-02	3.33E-02	4.74E-02	3.84E-02	2.15E+01
CHILD	TOTALS	1.32E+00	3.61E-02	3.46E-02	4.08E-02	3.62E-02	2.15E+01
TEENAGE	TOTALS	1.32E+00	4.93E-02	3.40E-02	3.67E-02	3.48E-02	2.15E+01
ADULT	TOTALS	1.32E+00	4.02E-02	3.30E-02	3.52E-02	3.37E-02	2.15E+01

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 168

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

R 15 NAME=PBR 8

X= 0.9KM, Y= 0.7KM, Z= 28.0M, DIST= 1.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.78E+00	7.84E-02	7.59E-02	9.71E-02	8.36E-02	9.51E+01
CHILD	TOTALS	5.77E+00	8.00E-02	7.78E-02	8.73E-02	8.03E-02	9.51E+01
TEENAGE	TOTALS	5.77E+00	1.00E-01	7.70E-02	8.10E-02	7.82E-02	9.51E+01
ADULT	TOTALS	5.77E+00	8.63E-02	7.54E-02	7.88E-02	7.65E-02	9.51E+01

NUMBER 16 NAME=Glenrock

X= -26.6KM, Y= -16.4KM, Z=-162.0M, DIST= 31.2KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.18E-03	1.14E-03	9.40E-04	2.70E-03	1.58E-03	8.95E-02
CHILD	TOTALS	6.14E-03	1.28E-03	1.10E-03	1.88E-03	1.30E-03	8.95E-02
TEENAGE	TOTALS	6.17E-03	2.94E-03	1.03E-03	1.37E-03	1.13E-03	8.95E-02
ADULT	TOTALS	6.11E-03	1.80E-03	9.02E-04	1.18E-03	9.92E-04	8.95E-02

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat
TIME STEP NUMBER 4, 2003-04

PAGE 169
08/20/99
DURATION IN YRS IS... 2.0

17 NAME=Douglas X= 13.9KM, Y= -28.2KM, Z=-177.9M, DIST= 31.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.07E-03	1.27E-03	1.02E-03	3.22E-03	1.81E-03	8.68E-02
CHILD	TOTALS	6.02E-03	1.45E-03	1.22E-03	2.20E-03	1.47E-03	8.68E-02
TEENAGE	TOTALS	6.06E-03	3.52E-03	1.13E-03	1.55E-03	1.25E-03	8.68E-02
ADULT	TOTALS	5.99E-03	2.09E-03	9.70E-04	1.32E-03	1.08E-03	8.68E-02

NUMBER 18 NAME=Casper X=-110.9KM, Y= -17.6KM, Z=-115.4M, DIST= 112.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.53E-03	2.36E-03	1.57E-03	8.51E-03	4.07E-03	5.61E-02
CHILD	TOTALS	4.36E-03	2.91E-03	2.19E-03	5.28E-03	2.99E-03	5.61E-02
TEENAGE	TOTALS	4.49E-03	9.47E-03	1.92E-03	3.24E-03	2.30E-03	5.61E-02
ADULT	TOTALS	4.28E-03	4.95E-03	1.40E-03	2.50E-03	1.76E-03	5.61E-02

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 170

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

R 19 NAME=Highlands Mine X= 13.4KM, Y= 1.6KM, Z= -81.5M, DIST= 13.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	9.91E-02	1.14E-02	9.89E-03	2.24E-02	1.44E-02	1.51E+00
CHILD	TOTALS	9.88E-02	1.23E-02	1.10E-02	1.66E-02	1.25E-02	1.51E+00
TEENAGE	TOTALS	9.91E-02	2.41E-02	1.05E-02	1.29E-02	1.12E-02	1.51E+00
ADULT	TOTALS	9.87E-02	1.60E-02	9.63E-03	1.16E-02	1.03E-02	1.51E+00

NUMBER 20 NAME=DWSAT1

X= -1.1KM, Y= 4.4KM, Z= 22.0M, DIST= 4.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.54E-01	2.67E-02	2.52E-02	3.81E-02	2.99E-02	1.22E+01
CHILD	TOTALS	7.54E-01	2.77E-02	2.64E-02	3.21E-02	2.79E-02	1.22E+01
TEENAGE	TOTALS	7.54E-01	3.98E-02	2.59E-02	2.83E-02	2.66E-02	1.22E+01
ADULT	TOTALS	7.54E-01	3.15E-02	2.49E-02	2.70E-02	2.56E-02	1.22E+01

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 171

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 4, 2003-04

DURATION IN YRS IS... 2.0

R 21 NAME=DWSAT2 X= -4.8KM, Y= 0.3KM, Z= 38.0M, DIST= 4.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.24E+00	4.03E-02	3.87E-02	5.26E-02	4.37E-02	2.01E+01
CHILD	TOTALS	1.24E+00	4.14E-02	4.00E-02	4.61E-02	4.16E-02	2.01E+01
TEENAGE	TOTALS	1.24E+00	5.45E-02	3.94E-02	4.21E-02	4.02E-02	2.01E+01
ADULT	TOTALS	1.24E+00	4.55E-02	3.84E-02	4.06E-02	3.91E-02	2.01E+01

NUMBER 22 NAME=DWPF

X= 1.1KM, Y= 2.8KM, Z= 10.0M, DIST= 3.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.62E+00	3.92E-02	3.75E-02	5.13E-02	4.25E-02	2.64E+01
CHILD	TOTALS	1.62E+00	4.03E-02	3.88E-02	4.49E-02	4.04E-02	2.64E+01
TEENAGE	TOTALS	1.62E+00	5.32E-02	3.83E-02	4.09E-02	3.90E-02	2.64E+01
ADULT	TOTALS	1.62E+00	4.43E-02	3.73E-02	3.95E-02	3.80E-02	2.64E+01

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.270E+01	1.949E+01	5.689E+00	2.259E+00	3.305E-06	5.735E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.576E+01	1.402E+01	4.236E+00	1.769E+00	3.188E-06	4.251E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.146E+01	1.056E+01	3.579E+00	1.612E+00	3.599E-06	3.503E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.356E+00	8.835E+00	3.417E+00	1.693E+00	4.603E-06	3.274E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.022E+00	4.942E+00	2.544E+00	1.470E+00	6.300E-06	2.347E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.601E+00	1.600E+00	1.181E+00	8.518E-01	6.267E-06	1.081E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.602E-01	6.606E-01	5.766E-01	4.840E-01	5.550E-06	5.409E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.653E-01	3.655E-01	3.418E-01	3.094E-01	5.003E-06	3.264E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.344E-01	2.345E-01	2.267E-01	2.139E-01	4.584E-06	2.189E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.644E-01	1.645E-01	1.618E-01	1.564E-01	4.251E-06	1.573E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.224E-01	1.224E-01	1.215E-01	1.192E-01	3.979E-06	1.187E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.504E-02	9.509E-02	9.486E-02	9.386E-02	3.751E-06	9.290E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.544E+01	1.544E+01	1.544E+01	6.884E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.110E+01	1.110E+01	1.110E+01	6.641E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.362E+00	8.362E+00	8.362E+00	7.496E+00
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.998E+00	6.998E+00	6.998E+00	9.589E+00
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.914E+00	3.914E+00	3.914E+00	1.312E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.268E+00	1.268E+00	1.268E+00	1.305E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.232E-01	5.232E-01	5.232E-01	1.156E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.895E-01	2.895E-01	2.895E-01	1.042E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.858E-01	1.858E-01	1.858E-01	9.549E+00
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.303E-01	1.303E-01	1.303E-01	8.856E+00
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.698E-02	9.698E-02	9.698E-02	8.288E+00
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.532E-02	7.532E-02	7.532E-02	7.813E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	9.915E-09
2.5	0.000E+00	0.000E+00	0.000E+00	9.565E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.080E-08
4.5	0.000E+00	0.000E+00	0.000E+00	1.381E-08
7.5	0.000E+00	0.000E+00	0.000E+00	1.890E-08
15.0	0.000E+00	0.000E+00	0.000E+00	1.880E-08
25.0	0.000E+00	0.000E+00	0.000E+00	1.665E-08
35.0	0.000E+00	0.000E+00	0.000E+00	1.501E-08
45.0	0.000E+00	0.000E+00	0.000E+00	1.375E-08
55.0	0.000E+00	0.000E+00	0.000E+00	1.275E-08
65.0	0.000E+00	0.000E+00	0.000E+00	1.194E-08
75.0	0.000E+00	0.000E+00	0.000E+00	1.125E-08

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.696E+01	5.753E+01	1.706E+01	6.791E+00	9.507E-06	1.711E-04
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.388E+01	3.196E+01	1.309E+01	6.599E+00	1.325E-05	1.239E-04
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.224E+01	2.166E+01	1.073E+01	6.106E+00	1.619E-05	9.950E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.645E+01	1.624E+01	9.161E+00	5.625E+00	1.850E-05	8.416E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.277E+00	9.259E+00	6.510E+00	4.563E+00	2.288E-05	5.956E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.326E+00	4.328E+00	3.773E+00	3.156E+00	2.766E-05	3.536E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.416E+00	2.417E+00	2.301E+00	2.129E+00	2.949E-05	2.210E-05
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.626E+00	1.627E+00	1.596E+00	1.539E+00	2.979E-05	1.551E-05
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.201E+00	1.202E+00	1.194E+00	1.173E+00	2.950E-05	1.166E-05
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.382E-01	9.387E-01	9.376E-01	9.301E-01	2.897E-05	9.189E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.609E-01	7.613E-01	7.625E-01	7.602E-01	2.835E-05	7.485E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.341E-01	6.345E-01	6.364E-01	6.361E-01	2.770E-05	6.253E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.557E+01	4.557E+01	4.557E+01	1.980E+01
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.532E+01	2.532E+01	2.532E+01	2.759E+01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.716E+01	1.716E+01	1.716E+01	3.372E+01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.286E+01	1.286E+01	1.286E+01	3.854E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.333E+00	7.333E+00	7.333E+00	4.767E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.428E+00	3.428E+00	3.428E+00	5.761E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.914E+00	1.914E+00	1.914E+00	6.143E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.289E+00	1.289E+00	1.289E+00	6.205E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.518E-01	9.518E-01	9.518E-01	6.145E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.435E-01	7.435E-01	7.435E-01	6.035E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.030E-01	6.030E-01	6.030E-01	5.906E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.025E-01	5.025E-01	5.025E-01	5.770E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	2.852E-08
2.5	0.000E+00	0.000E+00	0.000E+00	3.974E-08
3.5	0.000E+00	0.000E+00	0.000E+00	4.857E-08
4.5	0.000E+00	0.000E+00	0.000E+00	5.550E-08
7.5	0.000E+00	0.000E+00	0.000E+00	6.865E-08
15.0	0.000E+00	0.000E+00	0.000E+00	8.298E-08
25.0	0.000E+00	0.000E+00	0.000E+00	8.847E-08
35.0	0.000E+00	0.000E+00	0.000E+00	8.937E-08
45.0	0.000E+00	0.000E+00	0.000E+00	8.850E-08
55.0	0.000E+00	0.000E+00	0.000E+00	8.692E-08
65.0	0.000E+00	0.000E+00	0.000E+00	8.505E-08
75.0	0.000E+00	0.000E+00	0.000E+00	8.310E-08

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 174
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL										
XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.582E+01	2.305E+01	7.546E+00	3.090E+00	4.524E-06	7.353E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.395E+01	1.342E+01	5.943E+00	3.050E+00	6.079E-06	5.533E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.077E+01	1.060E+01	5.578E+00	3.225E+00	8.264E-06	5.122E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.063E+00	8.986E+00	5.259E+00	3.262E+00	1.023E-05	4.808E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.993E+00	4.982E+00	3.520E+00	2.484E+00	1.165E-05	3.224E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.961E+00	1.962E+00	1.707E+00	1.425E+00	1.162E-05	1.599E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.135E+00	1.136E+00	1.083E+00	1.005E+00	1.324E-05	1.041E-05
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.046E-01	7.050E-01	6.929E-01	6.704E-01	1.276E-05	6.740E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.879E-01	4.881E-01	4.855E-01	4.783E-01	1.210E-05	4.748E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.636E-01	3.638E-01	3.637E-01	3.614E-01	1.151E-05	3.566E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.845E-01	2.847E-01	2.853E-01	2.847E-01	1.098E-05	2.802E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.305E-01	2.307E-01	2.314E-01	2.315E-01	1.051E-05	2.275E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2									
XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.826E+01	1.826E+01	1.826E+01	9.423E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.063E+01	1.063E+01	1.063E+01	1.266E+01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.393E+00	8.393E+00	8.393E+00	1.721E+01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.117E+00	7.117E+00	7.117E+00	2.130E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.946E+00	3.946E+00	3.946E+00	2.426E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.554E+00	1.554E+00	1.554E+00	2.420E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.996E-01	8.996E-01	8.996E-01	2.759E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.584E-01	5.584E-01	5.584E-01	2.659E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.866E-01	3.866E-01	3.866E-01	2.521E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.881E-01	2.881E-01	2.881E-01	2.397E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.255E-01	2.255E-01	2.255E-01	2.286E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.827E-01	1.827E-01	1.827E-01	2.189E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC				
XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	1.357E-08
2.5	0.000E+00	0.000E+00	0.000E+00	1.824E-08
3.5	0.000E+00	0.000E+00	0.000E+00	2.479E-08
4.5	0.000E+00	0.000E+00	0.000E+00	3.068E-08
7.5	0.000E+00	0.000E+00	0.000E+00	3.494E-08
15.0	0.000E+00	0.000E+00	0.000E+00	3.486E-08
25.0	0.000E+00	0.000E+00	0.000E+00	3.973E-08
35.0	0.000E+00	0.000E+00	0.000E+00	3.829E-08
45.0	0.000E+00	0.000E+00	0.000E+00	3.631E-08
55.0	0.000E+00	0.000E+00	0.000E+00	3.452E-08
65.0	0.000E+00	0.000E+00	0.000E+00	3.293E-08
75.0	0.000E+00	0.000E+00	0.000E+00	3.152E-08

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 175
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.680E+01	3.008E+01	7.539E+00	2.523E+00	2.467E-06	7.862E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.645E+01	1.941E+01	5.295E+00	2.160E+00	3.194E-06	5.490E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.789E+01	1.517E+01	4.731E+00	2.120E+00	4.049E-06	4.752E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.418E+01	1.315E+01	4.823E+00	2.320E+00	5.095E-06	4.665E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.648E+00	5.595E+00	3.208E+00	1.997E+00	7.331E-06	2.948E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.180E+00	2.181E+00	1.776E+00	1.379E+00	9.719E-06	1.639E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.256E+00	1.257E+00	1.171E+00	1.048E+00	1.090E-05	1.114E-05
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.111E-01	8.115E-01	7.889E-01	7.490E-01	1.157E-05	7.629E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.759E-01	5.762E-01	5.701E-01	5.560E-01	1.167E-05	5.558E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.366E-01	4.369E-01	4.357E-01	4.307E-01	1.153E-05	4.265E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.461E-01	3.463E-01	3.466E-01	3.450E-01	1.131E-05	3.401E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.832E-01	2.833E-01	2.841E-01	2.839E-01	1.105E-05	2.791E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.382E+01	2.382E+01	2.382E+01	5.139E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.537E+01	1.537E+01	1.537E+01	6.653E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.201E+01	1.201E+01	1.201E+01	8.434E+00
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.041E+01	1.041E+01	1.041E+01	1.061E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.431E+00	4.431E+00	4.431E+00	1.527E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.727E+00	1.727E+00	1.727E+00	2.024E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.957E-01	9.957E-01	9.957E-01	2.271E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.428E-01	6.428E-01	6.428E-01	2.410E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.564E-01	4.564E-01	4.564E-01	2.430E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.460E-01	3.460E-01	3.460E-01	2.402E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.742E-01	2.742E-01	2.742E-01	2.356E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.244E-01	2.244E-01	2.244E-01	2.301E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	7.401E-09
2.5	0.000E+00	0.000E+00	0.000E+00	9.582E-09
3.5	0.000E+00	0.000E+00	0.000E+00	1.215E-08
4.5	0.000E+00	0.000E+00	0.000E+00	1.529E-08
7.5	0.000E+00	0.000E+00	0.000E+00	2.199E-08
15.0	0.000E+00	0.000E+00	0.000E+00	2.916E-08
25.0	0.000E+00	0.000E+00	0.000E+00	3.271E-08
35.0	0.000E+00	0.000E+00	0.000E+00	3.472E-08
45.0	0.000E+00	0.000E+00	0.000E+00	3.500E-08
55.0	0.000E+00	0.000E+00	0.000E+00	3.460E-08
65.0	0.000E+00	0.000E+00	0.000E+00	3.393E-08
75.0	0.000E+00	0.000E+00	0.000E+00	3.315E-08

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 176
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.300E-06	9.155E-06	2.028E-06	5.484E-06	3.351E-06	7.773E-06	7.277E-06	6.862E-06
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.809E-06	3.735E-06	4.070E-06	1.663E-05	8.305E-06	2.464E-05	4.042E-05	6.346E-05
NE	0.000E+00	1.431E-06	0.000E+00	0.000E+00	3.009E-06	3.217E-06	3.296E-06	6.592E-06	1.304E-05	1.288E-05	9.513E-06	1.558E-05
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.645E-06	6.225E-06	6.369E-06	1.265E-05	4.348E-05	5.467E-05	2.372E-05	5.784E-06
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.355E-06	2.020E-05	1.077E-05	5.443E-05	7.549E-05	4.238E-05	3.111E-05	1.723E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.831E-06	2.376E-05	2.257E-05	2.135E-05	1.513E-04	1.912E-04	1.001E-04	1.131E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.183E-06	1.896E-05	2.364E-05	7.140E-05	3.255E-03	7.465E-05	5.742E-05	6.640E-05
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.285E-05	2.258E-05	2.560E-04	7.816E-04	1.794E-03	1.169E-04	9.713E-05	1.133E-04
S	0.000E+00	0.000E+00	0.000E+00	2.987E-06	3.827E-05	3.819E-05	1.790E-04	3.731E-05	1.150E-04	8.415E-05	5.621E-05	7.689E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.941E-05	4.120E-05	2.202E-04	7.293E-05	3.666E-05	2.415E-05	2.370E-05	1.159E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.497E-05	2.710E-05	1.736E-03	5.242E-05	4.739E-05	3.412E-05	1.094E-05	1.061E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.172E-05	1.836E-05	9.176E-05	2.037E-05	1.358E-03	1.325E-02	9.420E-03	2.678E-04
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.141E-05	3.194E-05	1.115E-04	1.691E-05	4.690E-05	4.048E-04	4.632E-04	1.778E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.321E-06	4.479E-05	5.925E-05	5.863E-06	6.076E-05	6.755E-05	3.065E-05	1.216E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.961E-05	3.903E-05	9.258E-06	2.231E-06	2.127E-06	1.320E-04	2.623E-04	1.864E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.129E-06	3.919E-05	1.407E-05	4.779E-06	4.747E-06	9.333E-06	9.132E-06	1.338E-05

TOTAL DOSE COMMITMENT IS 3.784E-02 PERSON-REM/YR

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 177

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.866E-05	7.426E-05	1.644E-05	4.446E-05	2.716E-05	6.297E-05	5.894E-05	5.556E-05
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.713E-05	3.030E-05	3.301E-05	1.348E-04	6.731E-05	1.997E-04	3.274E-04	5.139E-04
NE	0.000E+00	1.161E-05	0.000E+00	0.000E+00	2.441E-05	2.610E-05	2.673E-05	5.345E-05	1.057E-04	1.044E-04	7.708E-05	1.262E-04
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.580E-05	5.049E-05	5.165E-05	1.025E-04	3.524E-04	4.429E-04	1.921E-04	4.684E-05
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.779E-05	1.639E-04	8.736E-05	4.412E-04	6.118E-04	3.433E-04	2.520E-04	1.395E-03
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.919E-05	1.927E-04	1.830E-04	1.730E-04	1.226E-03	1.549E-03	8.108E-04	9.153E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.639E-05	1.538E-04	1.917E-04	5.788E-04	2.638E-02	6.048E-04	4.651E-04	5.376E-04
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.288E-04	1.832E-04	2.076E-03	6.337E-03	1.454E-02	9.474E-04	7.866E-04	9.172E-04
S	0.000E+00	0.000E+00	0.000E+00	2.424E-05	3.105E-04	3.098E-04	1.452E-03	3.025E-04	9.323E-04	6.818E-04	4.552E-04	6.226E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.198E-04	3.342E-04	1.786E-03	5.913E-04	2.971E-04	1.957E-04	1.920E-04	9.382E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.026E-04	2.199E-04	1.408E-02	4.251E-04	3.842E-04	2.765E-04	8.865E-05	8.589E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.513E-05	1.489E-04	7.442E-04	1.651E-04	1.101E-02	1.074E-01	7.631E-02	2.169E-03
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.737E-04	2.591E-04	9.045E-04	1.371E-04	3.802E-04	3.280E-03	3.752E-03	1.440E-03
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.072E-05	3.634E-04	4.807E-04	4.756E-05	4.928E-04	5.477E-04	2.485E-04	9.858E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.592E-04	3.166E-04	7.507E-05	1.808E-05	1.724E-05	1.069E-03	2.123E-03	1.508E-04
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.727E-05	3.179E-04	1.141E-04	3.874E-05	3.846E-05	7.559E-05	7.393E-05	1.083E-04

TOTAL DOSE COMMITMENT IS 3.067E-01 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 178
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.672E-07	1.080E-06	2.438E-07	6.718E-07	4.184E-07	9.889E-07	9.436E-07	9.068E-07
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.740E-07	4.398E-07	4.884E-07	2.031E-06	1.032E-06	3.116E-06	5.198E-06	8.298E-06
NE	0.000E+00	1.648E-07	0.000E+00	0.000E+00	3.494E-07	3.783E-07	3.934E-07	7.978E-07	1.600E-06	1.601E-06	1.199E-06	1.990E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.557E-07	7.337E-07	7.646E-07	1.545E-06	5.403E-06	6.908E-06	3.047E-06	7.555E-07
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.705E-07	2.384E-06	1.297E-06	6.680E-06	9.442E-06	5.401E-06	4.040E-06	2.279E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.623E-07	2.811E-06	2.724E-06	2.628E-06	1.900E-05	2.450E-05	1.308E-05	1.507E-05
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.520E-07	2.235E-06	2.840E-06	8.736E-06	4.056E-04	9.470E-06	7.415E-06	8.727E-06
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.127E-06	2.657E-06	3.072E-05	9.565E-05	2.239E-04	1.488E-05	1.260E-05	1.498E-05
S	0.000E+00	0.000E+00	0.000E+00	3.442E-07	4.432E-06	4.485E-06	2.141E-05	4.549E-06	1.430E-05	1.066E-05	7.259E-06	1.012E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.557E-06	4.829E-06	2.628E-05	8.861E-06	4.535E-06	3.043E-06	3.039E-06	1.512E-06
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.883E-06	3.169E-06	2.065E-04	6.347E-06	5.841E-06	4.280E-06	1.397E-06	1.378E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.353E-06	2.144E-06	1.090E-05	2.464E-06	1.672E-04	1.661E-03	1.202E-03	3.477E-05
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.472E-06	3.742E-06	1.329E-05	2.053E-06	5.802E-06	5.103E-05	5.950E-05	2.328E-05
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.522E-07	5.200E-06	6.951E-06	6.941E-07	7.262E-06	8.149E-06	3.733E-06	1.496E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.269E-06	4.590E-06	1.115E-06	2.751E-07	2.685E-07	1.705E-05	3.467E-05	2.520E-06
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.471E-07	4.615E-06	1.696E-06	5.897E-07	5.994E-07	1.206E-06	1.207E-06	1.808E-06

TOTAL DOSE COMMITMENT IS 4.744E-03 PERSON-REM/YR

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.139E-02	4.002E-02	4.126E-03	6.850E-03	2.930E-03	5.138E-03	3.824E-03	2.970E-03
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.015E-01	2.176E-02	1.143E-02	2.966E-02	1.069E-02	2.465E-02	3.292E-02	4.350E-02
NE	0.000E+00	1.003E-01	0.000E+00	0.000E+00	4.708E-02	1.974E-02	1.032E-02	1.339E-02	1.933E-02	1.491E-02	9.005E-03	1.245E-02
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.179E-02	2.199E-02	1.166E-02	1.531E-02	3.904E-02	3.890E-02	1.396E-02	2.900E-03
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.798E-02	5.408E-02	1.510E-02	5.082E-02	5.255E-02	2.345E-02	1.427E-02	6.737E-02
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.503E-02	5.044E-02	2.602E-02	1.659E-02	8.790E-02	8.824E-02	3.818E-02	3.665E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.783E-02	4.682E-02	3.007E-02	6.172E-02	2.122E+00	3.897E-02	2.496E-02	2.469E-02
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.453E-01	5.451E-02	3.221E-01	6.542E-01	1.113E+00	5.734E-02	3.927E-02	3.890E-02
S	0.000E+00	0.000E+00	0.000E+00	4.532E-02	2.809E-01	1.103E-01	2.625E-01	3.523E-02	7.928E-02	4.545E-02	2.490E-02	2.882E-03
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.001E-01	1.580E-01	4.026E-01	8.480E-02	3.069E-02	1.570E-02	1.255E-02	5.167E-03
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.784E-01	1.723E-01	3.780E+00	6.607E-02	4.161E-02	2.289E-02	5.929E-03	4.818E-03
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.933E-01	1.238E-01	2.025E-01	2.583E-02	1.196E+00	8.902E+00	5.104E+00	1.214E-01
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.824E-01	1.226E-01	2.199E-01	2.028E-02	3.959E-02	2.620E-01	2.422E-01	7.788E-02
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.284E-02	2.542E-01	1.399E-01	8.774E-03	6.585E-02	5.712E-02	2.120E-02	7.106E-03
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.568E-01	7.671E-02	8.592E-03	1.343E-03	9.389E-04	4.574E-02	7.451E-02	4.472E-03
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.578E-02	8.519E-02	1.347E-02	2.969E-03	2.169E-03	3.359E-03	2.702E-03	3.353E-03

TOTAL DOSE COMMITMENT IS 3.133E+01 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 180
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.620E-06	5.020E-06	5.757E-07	1.069E-06	5.108E-07	9.967E-07	8.213E-07	7.023E-07
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.157E-05	2.662E-06	1.512E-06	4.248E-06	1.655E-06	4.108E-06	5.886E-06	8.312E-06
NE	0.000E+00	9.774E-06	0.000E+00	0.000E+00	5.423E-06	2.406E-06	1.345E-06	1.869E-06	2.887E-06	2.377E-06	1.528E-06	2.242E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.143E-06	2.823E-06	1.661E-06	2.409E-06	6.743E-06	7.324E-06	2.846E-06	6.370E-07
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.999E-06	7.205E-06	2.286E-06	8.663E-06	9.981E-06	4.918E-06	3.275E-06	1.682E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.090E-06	6.984E-06	4.153E-06	3.019E-06	1.803E-05	2.020E-05	9.664E-06	1.018E-05
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.851E-06	6.317E-06	4.669E-06	1.080E-05	4.141E-04	8.398E-06	5.889E-06	6.337E-06
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.189E-05	7.382E-06	5.016E-05	1.158E-04	2.218E-04	1.273E-05	9.629E-06	1.045E-05
S	0.000E+00	0.000E+00	0.000E+00	5.247E-06	3.378E-05	1.454E-05	3.930E-05	5.983E-06	1.512E-05	9.638E-06	5.818E-06	7.364E-07
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.701E-05	2.009E-05	5.737E-05	1.350E-05	5.434E-06	3.067E-06	2.686E-06	1.203E-06
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.015E-05	2.078E-05	5.210E-04	1.028E-05	7.244E-06	4.414E-06	1.255E-06	1.111E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.196E-05	1.494E-05	2.784E-05	4.014E-06	2.080E-04	1.716E-03	1.081E-03	2.804E-05
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.282E-05	1.560E-05	3.087E-05	3.200E-06	6.989E-06	5.128E-05	5.215E-05	1.830E-05
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.784E-06	3.119E-05	1.901E-05	1.307E-06	1.071E-05	1.008E-05	4.038E-06	1.454E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.874E-05	1.077E-05	1.468E-06	2.712E-07	2.199E-07	1.222E-05	2.242E-05	1.500E-06
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.898E-06	1.174E-05	2.278E-06	5.914E-07	4.989E-07	8.782E-07	7.929E-07	1.093E-06

TOTAL DOSE COMMITMENT IS 5.559E-03 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 181
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.796E-05	1.956E-04	2.714E-05	5.150E-05	2.360E-05	4.300E-05	3.271E-05	2.573E-05
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.492E-04	9.329E-05	6.779E-05	2.065E-04	8.145E-05	1.981E-04	2.736E-04	3.692E-04
NE	0.000E+00	1.159E-04	0.000E+00	0.000E+00	1.307E-04	9.220E-05	6.525E-05	9.776E-05	1.525E-04	1.229E-04	7.617E-05	1.070E-04
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.996E-04	1.299E-04	8.610E-05	1.238E-04	3.294E-04	3.352E-04	1.216E-04	2.542E-05
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.633E-04	3.541E-04	1.178E-04	4.233E-04	4.505E-04	2.039E-04	1.249E-04	5.921E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.323E-04	3.587E-04	2.109E-04	1.409E-04	7.610E-04	7.711E-04	3.353E-04	3.226E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.404E-04	3.256E-04	2.455E-04	5.278E-04	1.848E-02	3.419E-04	2.197E-04	2.178E-04
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.693E-03	3.839E-04	2.627E-03	5.588E-03	9.677E-03	5.026E-04	3.456E-04	3.429E-04
S	0.000E+00	0.000E+00	0.000E+00	1.539E-04	1.289E-03	7.198E-04	2.056E-03	2.949E-04	6.821E-04	3.960E-04	2.183E-04	2.535E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.534E-03	9.054E-04	2.932E-03	6.813E-04	2.582E-04	1.351E-04	1.093E-04	4.527E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.166E-03	7.363E-04	2.633E-02	5.296E-04	3.515E-04	1.978E-04	5.180E-05	4.232E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.800E-04	5.255E-04	1.417E-03	2.082E-04	1.015E-02	7.720E-02	4.469E-02	1.068E-03
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.419E-04	7.042E-04	1.630E-03	1.651E-04	3.360E-04	2.267E-03	2.117E-03	6.840E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.077E-04	1.670E-03	1.151E-03	7.593E-05	5.778E-04	5.033E-04	1.871E-04	6.275E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.965E-04	5.573E-04	7.117E-05	1.156E-05	8.197E-06	4.018E-04	6.564E-04	3.945E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.793E-05	5.746E-04	1.112E-04	2.554E-05	1.894E-05	2.951E-05	2.381E-05	2.958E-05

TOTAL DOSE COMMITMENT IS 2.458E-01 PERSON-REM/YR

TIME STEP NUMBER 5, 2005-06
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING
EXPRESSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY.
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 2005-06
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING
EXPRESSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MNN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	3.685E-07	5.927E-07	9.361E-07	1.540E-06	1.757E-05	6.988E-05	1.032E-04	1.301E-04	1.534E-04	1.739E-04	1.923E-04	2.091E-04
NNE	5.644E-07	1.037E-06	1.565E-06	2.131E-06	2.218E-05	1.140E-04	2.072E-04	2.959E-04	3.800E-04	4.594E-04	5.341E-04	6.045E-04
NE	6.808E-07	1.215E-06	1.764E-06	2.487E-06	2.298E-05	9.824E-05	1.678E-04	2.347E-04	2.985E-04	3.602E-04	4.192E-04	4.752E-04
ENE	9.458E-07	1.928E-06	3.103E-06	4.426E-06	4.311E-05	1.901E-04	3.242E-04	4.502E-04	5.685E-04	6.794E-04	7.836E-04	8.816E-04
E	1.060E-06	2.463E-06	4.211E-06	6.189E-06	6.381E-05	3.084E-04	5.482E-04	7.749E-04	9.869E-04	1.185E-03	1.370E-03	1.544E-03
ESE	7.431E-07	1.585E-06	2.561E-06	3.624E-06	3.690E-05	1.814E-04	2.871E-04	3.798E-04	4.615E-04	5.346E-04	6.013E-04	6.626E-04
SE	5.762E-07	1.203E-06	1.990E-06	2.958E-06	3.125E-05	1.158E-04	1.719E-04	2.310E-04	2.848E-04	3.340E-04	3.794E-04	4.216E-04
SSE	6.421E-07	1.418E-06	2.391E-06	3.686E-06	4.037E-05	1.724E-04	2.961E-04	4.347E-04	5.662E-04	6.883E-04	8.022E-04	9.086E-04
S	5.044E-07	1.130E-06	2.150E-06	3.421E-06	3.248E-05	1.296E-04	2.462E-04	3.320E-04	4.049E-04	4.706E-04	5.305E-04	5.859E-04
SSW	4.857E-07	1.324E-06	2.364E-06	3.307E-06	3.010E-05	1.573E-04	2.950E-04	4.327E-04	5.592E-04	6.754E-04	7.830E-04	8.829E-04
SW	3.210E-07	8.174E-07	1.185E-06	1.883E-06	2.119E-05	9.196E-05	1.616E-04	2.196E-04	2.711E-04	3.180E-04	3.616E-04	4.042E-04
WSW	2.355E-07	4.562E-07	8.681E-07	1.220E-06	1.119E-05	6.229E-05	1.168E-04	1.611E-04	2.005E-04	2.364E-04	2.695E-04	3.002E-04
W	2.751E-07	5.938E-07	1.053E-06	1.705E-06	2.045E-05	1.084E-04	2.027E-04	3.010E-04	3.903E-04	4.717E-04	5.466E-04	6.160E-04
WNW	1.993E-07	3.351E-07	6.190E-07	1.033E-06	1.009E-05	6.840E-05	1.371E-04	2.088E-04	2.783E-04	3.437E-04	4.054E-04	4.638E-04
NW	2.757E-07	5.359E-07	8.855E-07	1.453E-06	1.498E-05	6.621E-05	1.178E-04	1.588E-04	1.946E-04	2.270E-04	2.566E-04	2.839E-04
NNW	3.506E-07	6.399E-07	1.257E-06	1.774E-06	1.626E-05	7.039E-05	1.194E-04	1.701E-04	2.172E-04	2.609E-04	3.016E-04	3.396E-04

TOTAL DOSE COMMITMENT IS 4.271E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
 ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
 FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
 BY THE POPULATION OF THIS REGION. SEE SUMMARY
 TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 185
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	4.170E-06	6.706E-06	1.059E-05	1.742E-05	1.988E-04	7.907E-04	1.167E-03	1.472E-03	1.735E-03	1.967E-03	2.176E-03	2.366E-03
NNE	6.386E-06	1.173E-05	1.771E-05	2.411E-05	2.510E-04	1.290E-03	2.344E-03	3.348E-03	4.300E-03	5.198E-03	6.043E-03	6.839E-03
NE	7.702E-06	1.374E-05	1.996E-05	2.814E-05	2.600E-04	1.112E-03	1.898E-03	2.655E-03	3.377E-03	4.075E-03	4.743E-03	5.376E-03
ENE	1.070E-05	2.182E-05	3.510E-05	5.007E-05	4.878E-04	2.150E-03	3.668E-03	5.093E-03	6.432E-03	7.686E-03	8.865E-03	9.975E-03
E	1.199E-05	2.786E-05	4.765E-05	7.002E-05	7.220E-04	3.490E-03	6.203E-03	8.767E-03	1.117E-02	1.341E-02	1.550E-02	1.747E-02
ESE	8.408E-06	1.793E-05	2.897E-05	4.100E-05	4.174E-04	2.052E-03	3.249E-03	4.298E-03	5.221E-03	6.049E-03	6.803E-03	7.496E-03
SE	6.519E-06	1.361E-05	2.252E-05	3.347E-05	3.536E-04	1.310E-03	1.944E-03	2.614E-03	3.223E-03	3.779E-03	4.292E-03	4.770E-03
SSE	7.265E-06	1.604E-05	2.706E-05	4.171E-05	4.567E-04	1.950E-03	3.350E-03	4.918E-03	6.406E-03	7.788E-03	9.076E-03	1.028E-02
S	5.707E-06	1.279E-05	2.432E-05	3.871E-05	3.675E-04	1.466E-03	2.786E-03	3.756E-03	4.582E-03	5.324E-03	6.003E-03	6.628E-03
SSW	5.495E-06	1.498E-05	2.674E-05	3.742E-05	3.406E-04	1.779E-03	3.337E-03	4.895E-03	6.327E-03	7.642E-03	8.859E-03	9.989E-03
SW	3.631E-06	9.249E-06	1.340E-05	2.131E-05	2.398E-04	1.040E-03	1.828E-03	2.484E-03	3.068E-03	3.598E-03	4.091E-03	4.573E-03
WSW	2.665E-06	5.161E-06	9.821E-06	1.381E-05	1.267E-04	7.048E-04	1.321E-03	1.823E-03	2.268E-03	2.675E-03	3.049E-03	3.396E-03
W	3.113E-06	6.719E-06	1.192E-05	1.929E-05	2.313E-04	1.226E-03	2.294E-03	3.406E-03	4.416E-03	5.336E-03	6.184E-03	6.970E-03
WNW	2.254E-06	3.791E-06	7.003E-06	1.169E-05	1.142E-04	7.739E-04	1.551E-03	2.362E-03	3.148E-03	3.888E-03	4.587E-03	5.248E-03
NW	3.119E-06	6.063E-06	1.002E-05	1.643E-05	1.695E-04	7.491E-04	1.333E-03	1.796E-03	2.202E-03	2.569E-03	2.903E-03	3.212E-03
NNW	3.967E-06	7.240E-06	1.422E-05	2.007E-05	1.840E-04	7.964E-04	1.350E-03	1.924E-03	2.457E-03	2.951E-03	3.412E-03	3.842E-03

TOTAL DOSE COMMITMENT IS 4.832E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 2005-06 DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NWN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 5, 2005-06
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING
EXPPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 188
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

RY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 5--DOSES SHOWN ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.784E-02	3.067E-01	4.744E-03	2.300E-01	1.105E-01	3.133E+01
GROUND	5.559E-03	5.559E-03	5.559E-03	5.559E-03	5.559E-03	5.559E-03
CLOUD	2.458E-01	2.458E-01	2.458E-01	2.458E-01	2.458E-01	2.458E-01
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	2.768E-02	3.131E-01	2.768E-02	1.012E-01	8.092E-02	2.768E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.169E-01	8.712E-01	2.838E-01	5.825E-01	4.429E-01	3.161E+01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	1.503E-02	1.701E-01	1.503E-02	5.495E-02	4.395E-02	1.503E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	3.705E+01	5.043E+02	8.390E+00	3.705E+01	3.705E+01	2.378E+02
TOTALS	3.707E+01	5.045E+02	8.405E+00	3.711E+01	3.710E+01	2.378E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.784E-02	3.067E-01	4.744E-03	2.300E-01	1.105E-01	3.133E+01
GROUND	5.559E-03	5.559E-03	5.559E-03	5.559E-03	5.559E-03	5.559E-03
CLOUD	2.458E-01	2.458E-01	2.458E-01	2.458E-01	2.458E-01	2.458E-01
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	4.271E-02	4.832E-01	4.271E-02	1.561E-01	1.249E-01	4.271E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	3.705E+01	5.043E+02	8.390E+00	3.705E+01	3.705E+01	2.378E+02
TOTALS	3.739E+01	5.053E+02	8.689E+00	3.769E+01	3.754E+01	2.694E+02

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

[illegible]

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

[illegible]

No.	NAME	PTSZ	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
17	Douglas	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	Douglas	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	Douglas	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	Douglas	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
18	Casper	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	Casper	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	Casper	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	Casper	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
19	Highlands Mine	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	Highlands Mine	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	Highlands Mine	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
19	Highlands Mine	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
20	DWSA11	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	DWSA11	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	DWSA11	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
20	DWSA11	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
21	DWSA12	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	DWSA12	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	DWSA12	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
21	DWSA12	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										
22	DWPF	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	DWPF	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	DWPF	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
22	DWPF	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CONCENTRATION TOTALS										

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 192

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3							GROUND CONCENTRATIONS, PCI/M2				
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	1.451E+00	1.416E+00	6.549E-01	3.508E-01	9.533E-07	3.900E-09	5.044E-13	6.087E-06	1.121E+00	1.121E+00	1.121E+00	3.463E-01
2	4.630E+00	4.630E+00	3.293E+00	2.115E+00	6.200E-06	3.411E-08	6.194E-12	2.936E-05	3.667E+00	3.667E+00	3.667E+00	2.023E+00
3	5.024E+00	4.950E+00	2.923E+00	1.852E+00	6.145E-06	3.119E-08	4.924E-12	2.682E-05	3.921E+00	3.921E+00	3.921E+00	2.276E+00
4	7.523E+00	7.324E+00	3.288E+00	1.719E+00	6.173E-06	4.042E-08	9.161E-12	3.063E-05	5.801E+00	5.801E+00	5.801E+00	2.350E+00
5	4.476E+00	4.365E+00	2.093E+00	1.158E+00	3.233E-06	1.247E-08	1.388E-12	1.943E-05	3.457E+00	3.457E+00	3.457E+00	1.362E+00
6	7.286E+00	6.172E+00	2.711E+00	1.563E+00	5.123E-06	2.488E-08	3.530E-12	2.593E-05	4.889E+00	4.889E+00	4.889E+00	2.074E+00
7	1.678E+00	1.679E+00	1.593E+00	1.461E+00	1.873E-05	4.555E-07	3.609E-10	1.525E-05	1.330E+00	1.330E+00	1.330E+00	6.501E+00
8	7.870E+00	7.834E+00	4.966E+00	3.229E+00	1.164E-05	5.796E-08	8.501E-12	4.529E-05	6.205E+00	6.205E+00	6.205E+00	4.289E+00
9	5.199E+00	4.460E+00	1.204E+00	4.642E-01	7.440E-07	2.666E-09	3.955E-13	1.243E-05	3.533E+00	3.533E+00	3.533E+00	2.485E-01
10	4.999E+00	4.938E+00	3.081E+00	2.007E+00	8.385E-06	5.121E-08	8.921E-12	2.819E-05	3.911E+00	3.911E+00	3.911E+00	3.474E+00
11	1.791E+01	1.549E+01	4.882E+00	2.248E+00	6.863E-06	4.651E-08	9.906E-12	4.908E-05	1.226E+01	1.226E+01	1.226E+01	2.610E+00
12	4.839E+00	4.544E+00	2.335E+00	1.376E+00	5.003E-06	2.854E-08	4.779E-12	2.165E-05	3.599E+00	3.599E+00	3.599E+00	2.019E+00
13	1.624E+01	1.590E+01	8.141E+00	4.707E+00	1.456E-05	7.358E-08	1.331E-11	7.521E-05	1.260E+01	1.260E+01	1.260E+01	5.593E+00
14	2.307E+01	1.968E+01	6.274E+00	2.854E+00	6.752E-06	3.091E-08	5.739E-12	6.273E-05	1.559E+01	1.559E+01	1.559E+01	2.407E+00
15	8.815E+01	6.411E+01	1.556E+01	6.276E+00	1.080E-05	3.858E-08	6.053E-12	1.683E-04	5.078E+01	5.078E+01	5.078E+01	3.606E+00
16	1.038E-01	1.039E-01	9.626E-02	8.551E-02	8.719E-07	1.801E-08	1.262E-11	9.140E-07	8.230E-02	8.230E-02	8.230E-02	3.279E-01
17	9.186E-02	9.191E-02	8.770E-02	8.104E-02	1.055E-06	2.559E-08	2.010E-11	8.416E-07	7.280E-02	7.280E-02	7.280E-02	4.064E-01
18	6.756E-02	6.760E-02	6.791E-02	6.809E-02	3.670E-06	3.021E-07	8.649E-10	6.679E-07	5.354E-02	5.354E-02	5.354E-02	1.327E+00
19	1.478E+00	1.478E+00	1.135E+00	8.376E-01	5.523E-06	6.734E-08	2.526E-11	1.040E-05	1.171E+00	1.171E+00	1.171E+00	2.229E+00
20	1.272E+01	1.187E+01	4.792E+00	2.596E+00	7.473E-06	3.812E-08	7.506E-12	4.620E-05	9.401E+00	9.401E+00	9.401E+00	2.474E+00
21	2.181E+01	2.041E+01	7.855E+00	3.823E+00	8.148E-06	2.834E-08	3.174E-12	7.511E-05	1.616E+01	1.616E+01	1.616E+01	2.816E+00
22	2.623E+01	2.206E+01	6.859E+00	3.135E+00	6.510E-06	2.595E-08	4.642E-12	6.919E-05	1.747E+01	1.747E+01	1.747E+01	2.420E+00

1 NAME=Sundquist Rch. X= 0.1KM, Y= -4.1KM, Z= -80.4M, DIST= 4.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.14E-01	5.17E-03	4.86E-03	7.48E-03	5.81E-03	1.82E+00
CHILD	TOTALS	1.13E-01	5.38E-03	5.10E-03	6.27E-03	5.40E-03	1.82E+00
TEENAGE	TOTALS	1.14E-01	7.86E-03	5.00E-03	5.50E-03	5.14E-03	1.82E+00
ADULT	TOTALS	1.13E-01	6.15E-03	4.81E-03	5.22E-03	4.94E-03	1.82E+00

NUMBER 2 NAME=Lenzen Rch. X= -8.2KM, Y= 3.7KM, Z= 56.8M, DIST= 9.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.74E-01	3.00E-02	2.80E-02	4.51E-02	3.42E-02	5.81E+00
CHILD	TOTALS	3.74E-01	3.14E-02	2.96E-02	3.71E-02	3.16E-02	5.81E+00
TEENAGE	TOTALS	3.74E-01	4.75E-02	2.89E-02	3.22E-02	2.99E-02	5.81E+00
ADULT	TOTALS	3.74E-01	3.64E-02	2.77E-02	3.04E-02	2.85E-02	5.81E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 194

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

R 3 NAME=Crouch Rch. X= -8.1KM, Y= -2.5KM, Z= 41.6M, DIST= 8.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.01E-01	2.70E-02	2.50E-02	4.19E-02	3.11E-02	6.30E+00
CHILD	TOTALS	4.01E-01	2.83E-02	2.66E-02	3.41E-02	2.85E-02	6.30E+00
TEENAGE	TOTALS	4.01E-01	4.43E-02	2.59E-02	2.91E-02	2.68E-02	6.30E+00
ADULT	TOTALS	4.00E-01	3.33E-02	2.47E-02	2.73E-02	2.55E-02	6.30E+00

NUMBER 4 NAME=Vollman Rch. X= 1.8KM, Y= 6.6KM, Z= -10.3M, DIST= 6.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.88E-01	2.66E-02	2.46E-02	4.16E-02	3.08E-02	9.43E+00
CHILD	TOTALS	5.88E-01	2.80E-02	2.62E-02	3.37E-02	2.81E-02	9.43E+00
TEENAGE	TOTALS	5.88E-01	4.40E-02	2.55E-02	2.87E-02	2.64E-02	9.43E+00
ADULT	TOTALS	5.87E-01	3.30E-02	2.43E-02	2.69E-02	2.51E-02	9.43E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 195

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

R 5 NAME=Potts Draw House X= -2.7KM, Y= -4.5KM, Z= -43.8M, DIST= 5.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.51E-01	1.70E-02	1.60E-02	2.48E-02	1.92E-02	5.61E+00
CHILD	TOTALS	3.51E-01	1.77E-02	1.68E-02	2.07E-02	1.78E-02	5.61E+00
TEENAGE	TOTALS	3.51E-01	2.61E-02	1.64E-02	1.81E-02	1.69E-02	5.61E+00
ADULT	TOTALS	3.51E-01	2.03E-02	1.58E-02	1.72E-02	1.62E-02	5.61E+00

NUMBER 6 NAME=Windmill House X= -6.0KM, Y= -4.3KM, Z= -7.2M, DIST= 7.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.67E-01	2.34E-02	2.17E-02	3.58E-02	2.68E-02	9.13E+00
CHILD	TOTALS	5.67E-01	2.45E-02	2.30E-02	2.93E-02	2.46E-02	9.13E+00
TEENAGE	TOTALS	5.67E-01	3.79E-02	2.25E-02	2.52E-02	2.32E-02	9.13E+00
ADULT	TOTALS	5.67E-01	2.87E-02	2.14E-02	2.37E-02	2.21E-02	9.13E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 196

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

R 7 NAME=Reynolds Rch. X= 26.3KM, Y= 11.1KM, Z= 16.9M, DIST= 28.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.47E-01	3.02E-02	2.43E-02	7.57E-02	4.29E-02	2.11E+00
CHILD	TOTALS	1.46E-01	3.43E-02	2.90E-02	5.18E-02	3.49E-02	2.11E+00
TEENAGE	TOTALS	1.47E-01	8.30E-02	2.69E-02	3.67E-02	2.98E-02	2.11E+00
ADULT	TOTALS	1.46E-01	4.95E-02	2.31E-02	3.13E-02	2.57E-02	2.11E+00

NUMBER 8 NAME=PBR 1

X= 0.9KM, Y= -5.2KM, Z= -2.0M, DIST= 5.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.32E-01	4.75E-02	4.37E-02	7.57E-02	5.53E-02	9.88E+00
CHILD	TOTALS	6.32E-01	5.00E-02	4.67E-02	6.09E-02	5.04E-02	9.88E+00
TEENAGE	TOTALS	6.32E-01	8.03E-02	4.54E-02	5.15E-02	4.72E-02	9.88E+00
ADULT	TOTALS	6.31E-01	5.94E-02	4.30E-02	4.81E-02	4.47E-02	9.88E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 197

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

R 9 NAME=PBR 2

X= -0.7KM, Y= -1.9KM, Z= -58.0M, DIST= 2.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.97E-01	7.29E-03	7.06E-03	9.10E-03	7.80E-03	6.51E+00
CHILD	TOTALS	3.97E-01	7.46E-03	7.24E-03	8.15E-03	7.48E-03	6.51E+00
TEENAGE	TOTALS	3.97E-01	9.39E-03	7.16E-03	7.55E-03	7.28E-03	6.51E+00
ADULT	TOTALS	3.97E-01	8.06E-03	7.01E-03	7.34E-03	7.12E-03	6.51E+00

NUMBER 10 NAME=PBR 3

X= -4.5KM, Y= -7.0KM, Z= -15.0M, DIST= 8.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.01E-01	3.04E-02	2.77E-02	5.07E-02	3.60E-02	6.27E+00
CHILD	TOTALS	4.01E-01	3.22E-02	2.98E-02	4.00E-02	3.25E-02	6.27E+00
TEENAGE	TOTALS	4.01E-01	5.41E-02	2.89E-02	3.33E-02	3.02E-02	6.27E+00
ADULT	TOTALS	4.01E-01	3.90E-02	2.72E-02	3.08E-02	2.84E-02	6.27E+00

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 198
08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

2 11 NAME=PBR 4 X= -8.4KM, Y= -6.2KM, Z= 65.0M, DIST= 10.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.38E+00	3.55E-02	3.34E-02	5.22E-02	4.02E-02	2.24E+01
CHILD	TOTALS	1.38E+00	3.71E-02	3.51E-02	4.35E-02	3.73E-02	2.24E+01
TEENAGE	TOTALS	1.38E+00	5.49E-02	3.43E-02	3.79E-02	3.54E-02	2.24E+01
ADULT	TOTALS	1.37E+00	4.26E-02	3.29E-02	3.59E-02	3.39E-02	2.24E+01

NUMBER 12 NAME=PBR 5

X= -7.2KM, Y= -4.5KM, Z= 6.0M, DIST= 8.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.81E-01	2.07E-02	1.91E-02	3.29E-02	2.41E-02	6.07E+00
CHILD	TOTALS	3.81E-01	2.18E-02	2.04E-02	2.65E-02	2.20E-02	6.07E+00
TEENAGE	TOTALS	3.81E-01	3.49E-02	1.99E-02	2.25E-02	2.06E-02	6.07E+00
ADULT	TOTALS	3.81E-01	2.59E-02	1.88E-02	2.10E-02	1.95E-02	6.07E+00

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat
TIME STEP NUMBER 5, 2005-06

PAGE 199
08/20/99
DURATION IN YRS IS... 2.0

TR 13 NAME=PBR 6 X= 4.2KM, Y= 1.1KM, Z= -2.0M, DIST= 4.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.28E+00	6.93E-02	6.47E-02	1.05E-01	7.91E-02	2.04E+01
CHILD	TOTALS	1.28E+00	7.25E-02	6.83E-02	8.61E-02	7.29E-02	2.04E+01
TEENAGE	TOTALS	1.28E+00	1.10E-01	6.68E-02	7.44E-02	6.90E-02	2.04E+01
ADULT	TOTALS	1.28E+00	8.43E-02	6.38E-02	7.01E-02	6.58E-02	2.04E+01

NUMBER 14 NAME=PBR 7 X= 2.1KM, Y= 2.3KM, Z= 4.0M, DIST= 3.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.77E+00	4.38E-02	4.16E-02	6.02E-02	4.83E-02	2.89E+01
CHILD	TOTALS	1.77E+00	4.53E-02	4.33E-02	5.16E-02	4.55E-02	2.89E+01
TEENAGE	TOTALS	1.77E+00	6.28E-02	4.26E-02	4.61E-02	4.36E-02	2.89E+01
ADULT	TOTALS	1.77E+00	5.07E-02	4.12E-02	4.42E-02	4.22E-02	2.89E+01

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 200

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

R 15 NAME=PBR 8

X= 0.9KM, Y= 0.7KM, Z= 28.0M, DIST= 1.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.71E+00	9.88E-02	9.53E-02	1.25E-01	1.06E-01	1.10E+02
CHILD	TOTALS	6.70E+00	1.01E-01	9.80E-02	1.11E-01	1.01E-01	1.10E+02
TEENAGE	TOTALS	6.71E+00	1.29E-01	9.69E-02	1.03E-01	9.85E-02	1.10E+02
ADULT	TOTALS	6.70E+00	1.10E-01	9.47E-02	9.94E-02	9.62E-02	1.10E+02

NUMBER 16 NAME=Glenrock

X= -26.6KM, Y= -16.4KM, Z=-162.0M, DIST= 31.2KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	9.00E-03	1.61E-03	1.33E-03	3.73E-03	2.20E-03	1.31E-01
CHILD	TOTALS	8.94E-03	1.80E-03	1.55E-03	2.61E-03	1.83E-03	1.31E-01
TEENAGE	TOTALS	8.98E-03	4.07E-03	1.46E-03	1.91E-03	1.59E-03	1.31E-01
ADULT	TOTALS	8.91E-03	2.51E-03	1.28E-03	1.66E-03	1.40E-03	1.31E-01

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat
TIME STEP NUMBER 5, 2005-06

PAGE 201
08/20/99
DURATION IN YRS IS... 2.0

R 17 NAME=Douglas X= 13.9KM, Y= -28.2KM, Z=-177.9M, DIST= 31.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	8.09E-03	1.69E-03	1.35E-03	4.25E-03	2.40E-03	1.16E-01
CHILD	TOTALS	8.02E-03	1.92E-03	1.62E-03	2.91E-03	1.95E-03	1.16E-01
TEENAGE	TOTALS	8.08E-03	4.67E-03	1.50E-03	2.06E-03	1.66E-03	1.16E-01
ADULT	TOTALS	7.98E-03	2.78E-03	1.29E-03	1.75E-03	1.44E-03	1.16E-01

NUMBER 18 NAME=Casper X=-110.9KM, Y= -17.6KM, Z=-115.4M, DIST= 112.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.84E-03	3.46E-03	2.33E-03	1.24E-02	5.95E-03	8.52E-02
CHILD	TOTALS	6.59E-03	4.27E-03	3.23E-03	7.69E-03	4.38E-03	8.52E-02
TEENAGE	TOTALS	6.78E-03	1.38E-02	2.83E-03	4.74E-03	3.37E-03	8.52E-02
ADULT	TOTALS	6.47E-03	7.23E-03	2.07E-03	3.67E-03	2.58E-03	8.52E-02

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 202

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 5, 2005-06

DURATION IN YRS IS... 2.0

R 19 NAME=Highlands Mine X= 13.4KM, Y= 1.6KM, Z= -81.5M, DIST= 13.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.22E-01	1.39E-02	1.21E-02	2.73E-02	1.76E-02	1.86E+00
CHILD	TOTALS	1.22E-01	1.51E-02	1.35E-02	2.02E-02	1.53E-02	1.86E+00
TEENAGE	TOTALS	1.22E-01	2.95E-02	1.29E-02	1.58E-02	1.37E-02	1.86E+00
ADULT	TOTALS	1.22E-01	1.96E-02	1.18E-02	1.42E-02	1.25E-02	1.86E+00

NUMBER 20 NAME=DWSAT1

X= -1.1KM, Y= 4.4KM, Z= 22.0M, DIST= 4.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	9.89E-01	3.87E-02	3.63E-02	5.68E-02	4.37E-02	1.59E+01
CHILD	TOTALS	9.89E-01	4.03E-02	3.81E-02	4.73E-02	4.05E-02	1.59E+01
TEENAGE	TOTALS	9.89E-01	5.97E-02	3.73E-02	4.13E-02	3.85E-02	1.59E+01
ADULT	TOTALS	9.89E-01	4.63E-02	3.58E-02	3.91E-02	3.69E-02	1.59E+01

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat
TIME STEP NUMBER 5, 2005-06

PAGE 203
08/20/99
DURATION IN YRS IS... 2.0

21 NAME=DWSAT2 X= -4.8KM, Y= 0.3KM, Z= 38.0M, DIST= 4.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.69E+00	5.64E-02	5.37E-02	7.61E-02	6.19E-02	2.73E+01
CHILD	TOTALS	1.69E+00	5.81E-02	5.58E-02	6.57E-02	5.84E-02	2.73E+01
TEENAGE	TOTALS	1.69E+00	7.93E-02	5.49E-02	5.92E-02	5.62E-02	2.73E+01
ADULT	TOTALS	1.69E+00	6.47E-02	5.33E-02	5.68E-02	5.44E-02	2.73E+01

NUMBER 22 NAME=DWPF X= 1.1KM, Y= 2.8KM, Z= 10.0M, DIST= 3.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.01E+00	4.74E-02	4.54E-02	6.33E-02	5.18E-02	3.28E+01
CHILD	TOTALS	2.01E+00	4.89E-02	4.70E-02	5.50E-02	4.91E-02	3.28E+01
TEENAGE	TOTALS	2.01E+00	6.58E-02	4.63E-02	4.97E-02	4.73E-02	3.28E+01
ADULT	TOTALS	2.01E+00	5.41E-02	4.50E-02	4.78E-02	4.59E-02	3.28E+01

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE N DIRECTION, THETA EQUALS 0.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.816E+01	1.522E+01	4.158E+00	1.601E+00	2.028E-06	4.273E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.187E+01	1.034E+01	2.889E+00	1.161E+00	1.862E-06	2.963E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.210E+00	7.466E+00	2.381E+00	1.045E+00	2.129E-06	2.366E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.482E+00	6.076E+00	2.242E+00	1.093E+00	2.777E-06	2.170E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.195E+00	3.137E+00	1.572E+00	9.004E-01	3.738E-06	1.456E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.296E-01	9.292E-01	6.788E-01	4.883E-01	3.557E-06	6.220E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.683E-01	3.685E-01	3.214E-01	2.703E-01	3.118E-06	3.017E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.009E-01	2.010E-01	1.882E-01	1.709E-01	2.806E-06	1.798E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.281E-01	1.282E-01	1.241E-01	1.174E-01	2.571E-06	1.199E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.966E-02	8.971E-02	8.831E-02	8.557E-02	2.386E-06	8.593E-07
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.670E-02	6.674E-02	6.629E-02	6.513E-02	2.235E-06	6.478E-07
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.183E-02	5.185E-02	5.176E-02	5.129E-02	2.109E-06	5.071E-07

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.206E+01	1.206E+01	1.206E+01	4.225E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.193E+00	8.193E+00	8.193E+00	3.878E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.913E+00	5.913E+00	5.913E+00	4.434E+00
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.812E+00	4.812E+00	4.812E+00	5.785E+00
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.485E+00	2.485E+00	2.485E+00	7.787E+00
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.360E-01	7.360E-01	7.360E-01	7.409E+00
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.919E-01	2.919E-01	2.919E-01	6.494E+00
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.592E-01	1.592E-01	1.592E-01	5.845E+00
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.015E-01	1.015E-01	1.015E-01	5.356E+00
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.105E-02	7.105E-02	7.105E-02	4.971E+00
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.286E-02	5.286E-02	5.286E-02	4.656E+00
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.107E-02	4.107E-02	4.107E-02	4.394E+00

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	6.085E-09
2.5	0.000E+00	0.000E+00	0.000E+00	5.586E-09
3.5	0.000E+00	0.000E+00	0.000E+00	6.387E-09
4.5	0.000E+00	0.000E+00	0.000E+00	8.332E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.121E-08
15.0	0.000E+00	0.000E+00	0.000E+00	1.067E-08
25.0	0.000E+00	0.000E+00	0.000E+00	9.353E-09
35.0	0.000E+00	0.000E+00	0.000E+00	8.418E-09
45.0	0.000E+00	0.000E+00	0.000E+00	7.713E-09
55.0	0.000E+00	0.000E+00	0.000E+00	7.159E-09
65.0	0.000E+00	0.000E+00	0.000E+00	6.706E-09
75.0	0.000E+00	0.000E+00	0.000E+00	6.328E-09

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE E DIRECTION, THETA EQUALS 90.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.743E+01	3.248E+01	9.991E+00	4.107E+00	5.815E-06	9.943E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.966E+01	1.861E+01	7.785E+00	3.981E+00	8.053E-06	7.349E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.312E+01	1.280E+01	6.424E+00	3.684E+00	9.806E-06	5.949E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.805E+00	9.686E+00	5.511E+00	3.400E+00	1.119E-05	5.060E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.630E+00	5.619E+00	3.957E+00	2.777E+00	1.388E-05	3.621E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.619E+00	2.620E+00	2.283E+00	1.909E+00	1.665E-05	2.139E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.448E+00	1.449E+00	1.379E+00	1.275E+00	1.760E-05	1.324E-05
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.679E-01	9.684E-01	9.499E-01	9.158E-01	1.767E-05	9.229E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.114E-01	7.118E-01	7.069E-01	6.946E-01	1.743E-05	6.908E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.537E-01	5.540E-01	5.534E-01	5.489E-01	1.707E-05	5.424E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.480E-01	4.482E-01	4.489E-01	4.475E-01	1.667E-05	4.407E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.726E-01	3.728E-01	3.739E-01	3.737E-01	1.625E-05	3.674E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.572E+01	2.572E+01	2.572E+01	1.211E+01
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.474E+01	1.474E+01	1.474E+01	1.677E+01
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.014E+01	1.014E+01	1.014E+01	2.043E+01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.671E+00	7.671E+00	7.671E+00	2.332E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.450E+00	4.450E+00	4.450E+00	2.892E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.075E+00	2.075E+00	2.075E+00	3.468E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.147E+00	1.147E+00	1.147E+00	3.665E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.670E-01	7.670E-01	7.670E-01	3.681E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.638E-01	5.638E-01	5.638E-01	3.631E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.388E-01	4.388E-01	4.388E-01	3.555E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.550E-01	3.550E-01	3.550E-01	3.471E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.952E-01	2.952E-01	2.952E-01	3.386E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	1.744E-08
2.5	0.000E+00	0.000E+00	0.000E+00	2.416E-08
3.5	0.000E+00	0.000E+00	0.000E+00	2.942E-08
4.5	0.000E+00	0.000E+00	0.000E+00	3.358E-08
7.5	0.000E+00	0.000E+00	0.000E+00	4.165E-08
15.0	0.000E+00	0.000E+00	0.000E+00	4.994E-08
25.0	0.000E+00	0.000E+00	0.000E+00	5.279E-08
35.0	0.000E+00	0.000E+00	0.000E+00	5.302E-08
45.0	0.000E+00	0.000E+00	0.000E+00	5.229E-08
55.0	0.000E+00	0.000E+00	0.000E+00	5.121E-08
65.0	0.000E+00	0.000E+00	0.000E+00	5.000E-08
75.0	0.000E+00	0.000E+00	0.000E+00	4.876E-08

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE S DIRECTION, THETA EQUALS 180.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.560E+01	1.402E+01	4.669E+00	1.935E+00	2.651E-06	4.532E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.676E+00	8.362E+00	3.738E+00	1.929E+00	3.680E-06	3.476E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.709E+00	6.605E+00	3.506E+00	2.038E+00	5.084E-06	3.218E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.526E+00	5.481E+00	3.238E+00	2.021E+00	6.230E-06	2.960E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.966E+00	2.961E+00	2.114E+00	1.502E+00	7.059E-06	1.937E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.166E+00	1.166E+00	1.021E+00	8.583E-01	7.160E-06	9.580E-06
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.397E-01	6.400E-01	6.117E-01	5.693E-01	7.680E-06	5.884E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.948E-01	3.950E-01	3.886E-01	3.765E-01	7.303E-06	3.782E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.742E-01	2.744E-01	2.730E-01	2.691E-01	6.921E-06	2.671E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.049E-01	2.050E-01	2.050E-01	2.038E-01	6.579E-06	2.011E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.607E-01	1.608E-01	1.611E-01	1.609E-01	6.276E-06	1.583E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.304E-01	1.305E-01	1.309E-01	1.310E-01	6.009E-06	1.287E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2

XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.110E+01	1.110E+01	1.110E+01	5.522E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.623E+00	6.623E+00	6.623E+00	7.666E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.232E+00	5.232E+00	5.232E+00	1.059E+01
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.341E+00	4.341E+00	4.341E+00	1.298E+01
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.345E+00	2.345E+00	2.345E+00	1.470E+01
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.236E-01	9.236E-01	9.236E-01	1.491E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.069E-01	5.069E-01	5.069E-01	1.600E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.129E-01	3.129E-01	3.129E-01	1.521E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.173E-01	2.173E-01	2.173E-01	1.442E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.624E-01	1.624E-01	1.624E-01	1.370E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.273E-01	1.273E-01	1.273E-01	1.307E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.033E-01	1.033E-01	1.033E-01	1.252E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC

XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	7.952E-09
2.5	0.000E+00	0.000E+00	0.000E+00	1.104E-08
3.5	0.000E+00	0.000E+00	0.000E+00	1.525E-08
4.5	0.000E+00	0.000E+00	0.000E+00	1.869E-08
7.5	0.000E+00	0.000E+00	0.000E+00	2.118E-08
15.0	0.000E+00	0.000E+00	0.000E+00	2.148E-08
25.0	0.000E+00	0.000E+00	0.000E+00	2.304E-08
35.0	0.000E+00	0.000E+00	0.000E+00	2.191E-08
45.0	0.000E+00	0.000E+00	0.000E+00	2.076E-08
55.0	0.000E+00	0.000E+00	0.000E+00	1.974E-08
65.0	0.000E+00	0.000E+00	0.000E+00	1.883E-08
75.0	0.000E+00	0.000E+00	0.000E+00	1.803E-08

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 207
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

CONCENTRATION DATA FOR THE W DIRECTION, THETA EQUALS 270.0 DEGREES

TOTAL AIR CONCENTRATIONS, PCI/M3, AND WL										
XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	WL
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.313E+01	2.416E+01	5.221E+00	1.568E+00	1.267E-06	5.720E-05
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.137E+01	1.540E+01	3.627E+00	1.320E+00	1.683E-06	3.918E-05
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.178E+01	9.952E+00	2.983E+00	1.287E+00	2.232E-06	3.017E-05
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.758E+00	8.109E+00	2.957E+00	1.413E+00	2.907E-06	2.861E-05
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.501E+00	3.470E+00	2.000E+00	1.246E+00	4.492E-06	1.836E-05
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.331E+00	1.332E+00	1.085E+00	8.437E-01	6.033E-06	1.002E-05
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.234E-01	7.238E-01	6.744E-01	6.043E-01	6.649E-06	6.419E-06
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.633E-01	4.636E-01	4.508E-01	4.282E-01	6.902E-06	4.360E-06
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.291E-01	3.293E-01	3.258E-01	3.179E-01	6.887E-06	3.177E-06
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.497E-01	2.499E-01	2.492E-01	2.464E-01	6.771E-06	2.440E-06
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.981E-01	1.983E-01	1.985E-01	1.976E-01	6.617E-06	1.947E-06
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.623E-01	1.624E-01	1.629E-01	1.627E-01	6.451E-06	1.600E-06

GROUND SURFACE CONCENTRATIONS, PCI/M2									
XRHO, KM	U-238	Th-230	Ra-226	Pb-210	Rn-222	Po-218	Pb-214	Bi-214	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.913E+01	1.913E+01	1.913E+01	2.640E+00
2.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.220E+01	1.220E+01	1.220E+01	3.505E+00
3.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.883E+00	7.883E+00	7.883E+00	4.649E+00
4.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.422E+00	6.422E+00	6.422E+00	6.055E+00
7.5	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.748E+00	2.748E+00	2.748E+00	9.358E+00
15.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.055E+00	1.055E+00	1.055E+00	1.257E+01
25.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.733E-01	5.733E-01	5.733E-01	1.385E+01
35.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.672E-01	3.672E-01	3.672E-01	1.438E+01
45.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.608E-01	2.608E-01	2.608E-01	1.435E+01
55.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.979E-01	1.979E-01	1.979E-01	1.410E+01
65.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.570E-01	1.570E-01	1.570E-01	1.378E+01
75.0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.286E-01	1.286E-01	1.286E-01	1.344E+01

TOTAL DEPOSITION RATES, PCI/M2-SEC				
XRHO, KM	U-238	Th-230	Ra-226	Pb-210
1.5	0.000E+00	0.000E+00	0.000E+00	3.802E-09
2.5	0.000E+00	0.000E+00	0.000E+00	5.049E-09
3.5	0.000E+00	0.000E+00	0.000E+00	6.695E-09
4.5	0.000E+00	0.000E+00	0.000E+00	8.720E-09
7.5	0.000E+00	0.000E+00	0.000E+00	1.348E-08
15.0	0.000E+00	0.000E+00	0.000E+00	1.810E-08
25.0	0.000E+00	0.000E+00	0.000E+00	1.995E-08
35.0	0.000E+00	0.000E+00	0.000E+00	2.071E-08
45.0	0.000E+00	0.000E+00	0.000E+00	2.066E-08
55.0	0.000E+00	0.000E+00	0.000E+00	2.031E-08
65.0	0.000E+00	0.000E+00	0.000E+00	1.985E-08
75.0	0.000E+00	0.000E+00	0.000E+00	1.935E-08

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 208
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.365E-06	5.196E-06	1.139E-06	3.076E-06	1.880E-06	4.363E-06	4.088E-06	3.859E-06
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.406E-06	2.209E-06	2.401E-06	9.772E-06	4.868E-06	1.441E-05	2.360E-05	3.701E-05
NE	0.000E+00	9.041E-07	0.000E+00	0.000E+00	1.835E-06	1.930E-06	1.955E-06	3.886E-06	7.657E-06	7.533E-06	5.550E-06	9.075E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.501E-06	3.786E-06	3.816E-06	7.511E-06	2.567E-05	3.215E-05	1.390E-05	3.382E-06
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.069E-06	1.216E-05	6.428E-06	3.229E-05	4.460E-05	2.497E-05	1.829E-05	1.011E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.757E-06	1.305E-05	1.245E-05	1.187E-05	8.460E-05	1.074E-04	5.643E-05	6.392E-05
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.503E-06	1.061E-05	1.365E-05	4.123E-05	1.877E-03	4.299E-05	3.306E-05	3.824E-05
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.027E-05	1.378E-05	1.577E-04	4.749E-04	1.077E-03	6.965E-05	5.755E-05	6.687E-05
S	0.000E+00	0.000E+00	0.000E+00	1.819E-06	2.319E-05	2.353E-05	1.038E-04	2.135E-05	6.577E-05	4.811E-05	3.214E-05	4.397E-06
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.369E-05	2.523E-05	1.329E-04	4.333E-05	2.160E-05	1.416E-05	1.385E-05	6.756E-06
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.614E-05	1.700E-05	1.035E-03	3.090E-05	2.777E-05	1.993E-05	6.378E-06	6.166E-06
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.417E-06	1.119E-05	5.325E-05	1.178E-05	7.848E-04	7.656E-03	5.442E-03	1.547E-04
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.312E-05	1.983E-05	6.800E-05	1.009E-05	2.769E-05	2.377E-04	2.711E-04	1.038E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.027E-07	2.688E-05	3.576E-05	3.525E-06	3.626E-05	4.010E-05	1.812E-05	7.169E-06
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.156E-05	2.376E-05	5.440E-06	1.298E-06	1.233E-06	7.636E-05	1.516E-04	1.077E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.188E-06	2.347E-05	8.590E-06	2.882E-06	2.837E-06	5.545E-06	5.402E-06	7.888E-06

TOTAL DOSE COMMITMENT IS 2.201E-02 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 209
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.107E-05	4.215E-05	9.235E-06	2.494E-05	1.523E-05	3.534E-05	3.311E-05	3.124E-05
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.763E-05	1.792E-05	1.947E-05	7.922E-05	3.945E-05	1.168E-04	1.912E-04	2.997E-04
NE	0.000E+00	7.337E-06	0.000E+00	0.000E+00	1.489E-05	1.566E-05	1.586E-05	3.151E-05	6.207E-05	6.105E-05	4.497E-05	7.352E-05
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.841E-05	3.072E-05	3.095E-05	6.090E-05	2.081E-04	2.605E-04	1.126E-04	2.739E-05
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.113E-05	9.863E-05	5.213E-05	2.618E-04	3.615E-04	2.023E-04	1.481E-04	8.186E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.237E-05	1.058E-04	1.010E-04	9.621E-05	6.856E-04	8.701E-04	4.570E-04	5.174E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.654E-05	8.607E-05	1.107E-04	3.342E-04	1.521E-02	3.483E-04	2.678E-04	3.096E-04
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.456E-04	1.118E-04	1.279E-03	3.850E-03	8.727E-03	5.643E-04	4.661E-04	5.414E-04
S	0.000E+00	0.000E+00	0.000E+00	1.476E-05	1.882E-04	1.909E-04	8.418E-04	1.731E-04	5.331E-04	3.898E-04	2.603E-04	3.560E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.923E-04	2.047E-04	1.077E-03	3.513E-04	1.751E-04	1.148E-04	1.122E-04	5.471E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.310E-04	1.379E-04	8.391E-03	2.505E-04	2.251E-04	1.615E-04	5.166E-05	4.993E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.019E-05	9.078E-05	4.319E-04	9.552E-05	6.362E-03	6.204E-02	4.408E-02	1.253E-03
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.065E-04	1.608E-04	5.515E-04	8.178E-05	2.244E-04	1.926E-03	2.196E-03	8.408E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.514E-06	2.181E-04	2.901E-04	2.859E-05	2.941E-04	3.251E-04	1.469E-04	5.811E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.383E-05	1.927E-04	4.411E-05	1.052E-05	9.994E-06	6.185E-04	1.227E-03	8.712E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.643E-06	1.904E-04	6.966E-05	2.336E-05	2.299E-05	4.491E-05	4.374E-05	6.383E-05

TOTAL DOSE COMMITMENT IS 1.783E-01 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 210
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.583E-07	6.119E-07	1.367E-07	3.764E-07	2.345E-07	5.547E-07	5.299E-07	5.098E-07
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.947E-07	2.599E-07	2.878E-07	1.193E-06	6.046E-07	1.822E-06	3.033E-06	4.836E-06
NE	0.000E+00	1.040E-07	0.000E+00	0.000E+00	2.129E-07	2.267E-07	2.332E-07	4.700E-07	9.387E-07	9.360E-07	6.989E-07	1.158E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.063E-07	4.459E-07	4.577E-07	9.167E-07	3.187E-06	4.059E-06	1.785E-06	4.414E-07
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.885E-07	1.434E-06	7.733E-07	3.961E-06	5.576E-06	3.180E-06	2.373E-06	1.336E-05
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.206E-07	1.542E-06	1.501E-06	1.461E-06	1.062E-05	1.376E-05	7.374E-06	8.519E-06
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.232E-07	1.250E-06	1.639E-06	5.041E-06	2.337E-04	5.452E-06	4.268E-06	5.024E-06
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.508E-06	1.622E-06	1.893E-05	5.815E-05	1.345E-04	8.869E-06	7.471E-06	8.848E-06
S	0.000E+00	0.000E+00	0.000E+00	2.095E-07	2.686E-06	2.765E-06	1.243E-05	2.606E-06	8.186E-06	6.104E-06	4.156E-06	5.795E-07
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.740E-06	2.959E-06	1.587E-05	5.271E-06	2.675E-06	1.786E-06	1.778E-06	8.831E-07
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.864E-06	1.989E-06	1.232E-04	3.746E-06	3.428E-06	2.503E-06	8.154E-07	8.021E-07
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.561E-07	1.308E-06	6.336E-06	1.427E-06	9.678E-05	9.610E-04	6.952E-04	2.011E-05
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.514E-06	2.323E-06	8.116E-06	1.227E-06	3.432E-06	3.002E-05	3.489E-05	1.362E-05
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.242E-08	3.118E-06	4.190E-06	4.167E-07	4.328E-06	4.831E-06	2.205E-06	8.806E-07
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.336E-06	2.792E-06	6.549E-07	1.600E-07	1.556E-07	9.864E-06	2.004E-05	1.456E-06
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.377E-07	2.762E-06	1.035E-06	3.555E-07	3.582E-07	7.162E-07	7.137E-07	1.066E-06

TOTAL DOSE COMMITMENT IS 2.761E-03 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 211
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS INHAL.

EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.997E-02	2.324E-02	2.302E-03	3.767E-03	1.601E-03	2.802E-03	2.084E-03	1.620E-03
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.348E-02	1.329E-02	6.857E-03	1.762E-02	6.313E-03	1.449E-02	1.929E-02	2.543E-02
NE	0.000E+00	6.193E-02	0.000E+00	0.000E+00	2.962E-02	1.211E-02	6.217E-03	7.984E-03	1.145E-02	8.788E-03	5.287E-03	7.288E-03
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.263E-02	1.355E-02	7.061E-03	9.172E-03	2.323E-02	2.303E-02	8.232E-03	1.705E-03
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.519E-02	3.274E-02	9.049E-03	3.025E-02	3.112E-02	1.384E-02	8.399E-03	3.958E-02
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.456E-02	2.779E-02	1.424E-02	9.120E-03	4.854E-02	4.894E-02	2.126E-02	2.048E-02
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.709E-02	2.654E-02	1.763E-02	3.599E-02	1.232E+00	2.256E-02	1.443E-02	1.427E-02
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.981E-01	3.301E-02	1.958E-01	3.920E-01	6.597E-01	3.378E-02	2.304E-02	2.276E-02
S	0.000E+00	0.000E+00	0.000E+00	2.763E-02	1.669E-01	6.556E-02	1.479E-01	1.974E-02	4.456E-02	2.561E-02	1.406E-02	1.630E-03
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.307E-01	9.122E-02	2.340E-01	4.889E-02	1.765E-02	9.025E-03	7.212E-03	2.969E-03
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.700E-01	8.726E-02	2.076E+00	3.719E-02	2.362E-02	1.305E-02	3.389E-03	2.755E-03
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.107E-01	6.090E-02	1.091E-01	1.432E-02	6.711E-01	5.028E+00	2.895E+00	6.907E-02
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.750E-01	7.488E-02	1.266E-01	1.158E-02	2.262E-02	1.498E-01	1.387E-01	4.463E-02
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.115E-02	1.611E-01	8.815E-02	5.403E-03	3.986E-02	3.424E-02	1.263E-02	4.213E-03
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.317E-02	4.778E-02	5.120E-03	7.869E-04	5.461E-04	2.649E-02	4.304E-02	2.580E-03
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	8.760E-03	4.940E-02	8.205E-03	1.787E-03	1.293E-03	1.990E-03	1.594E-03	1.972E-03

TOTAL DOSE COMMITMENT IS 1.788E+01 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 212
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS GROUND

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.293E-06	2.908E-06	3.216E-07	5.910E-07	2.817E-07	5.501E-07	4.541E-07	3.892E-07
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.213E-06	1.622E-06	9.051E-07	2.518E-06	9.750E-07	2.411E-06	3.444E-06	4.854E-06
NE	0.000E+00	6.072E-06	0.000E+00	0.000E+00	3.406E-06	1.474E-06	8.087E-07	1.112E-06	1.706E-06	1.398E-06	8.950E-07	1.310E-06
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.867E-06	1.738E-06	1.004E-06	1.440E-06	4.002E-06	4.324E-06	1.674E-06	3.736E-07
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.247E-06	4.358E-06	1.368E-06	5.150E-06	5.906E-06	2.900E-06	1.927E-06	9.874E-06
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.795E-06	3.845E-06	2.278E-06	1.667E-06	1.001E-05	1.127E-05	5.417E-06	5.727E-06
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.307E-06	3.574E-06	2.726E-06	6.278E-06	2.397E-04	4.849E-06	3.398E-06	3.655E-06
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.403E-05	4.476E-06	3.060E-05	6.976E-05	1.322E-04	7.543E-06	5.680E-06	6.143E-06
S	0.000E+00	0.000E+00	0.000E+00	3.200E-06	2.010E-05	8.684E-06	2.230E-05	3.376E-06	8.559E-06	5.468E-06	3.307E-06	4.191E-07
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.719E-05	1.168E-05	3.361E-05	7.852E-06	3.153E-06	1.778E-06	1.556E-06	6.966E-07
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.893E-05	1.075E-05	2.904E-04	5.863E-06	4.159E-06	2.542E-06	7.241E-07	6.409E-07
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.271E-05	7.476E-06	1.521E-05	2.251E-06	1.179E-04	9.782E-04	6.182E-04	1.607E-05
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.034E-05	9.542E-06	1.797E-05	1.851E-06	4.041E-06	2.965E-05	3.017E-05	1.059E-05
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.435E-06	1.969E-05	1.190E-05	8.003E-07	6.453E-06	6.020E-06	2.398E-06	8.599E-07
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.114E-05	6.682E-06	8.705E-07	1.584E-07	1.277E-07	7.073E-06	1.296E-05	8.659E-07
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.053E-06	6.850E-06	1.388E-06	3.563E-07	2.978E-07	5.212E-07	4.686E-07	6.437E-07

TOTAL DOSE COMMITMENT IS 3.195E-03 PERSON-REM/YR

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 213
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS CLOUD

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.396E-05	1.122E-04	1.515E-05	2.842E-05	1.295E-05	2.352E-05	1.787E-05	1.406E-05
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.508E-04	5.594E-05	4.028E-05	1.220E-04	4.792E-05	1.162E-04	1.601E-04	2.156E-04
NE	0.000E+00	7.583E-05	0.000E+00	0.000E+00	8.127E-05	5.594E-05	3.906E-05	5.807E-05	9.010E-05	7.231E-05	4.467E-05	6.259E-05
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.255E-04	7.981E-05	5.203E-05	7.412E-05	1.959E-04	1.984E-04	7.170E-05	1.494E-05
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.602E-04	2.142E-04	7.054E-05	2.519E-04	2.668E-04	1.203E-04	7.354E-05	3.479E-04
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.685E-05	1.980E-04	1.158E-04	7.755E-05	4.206E-04	4.279E-04	1.867E-04	1.803E-04
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.362E-04	1.851E-04	1.439E-04	3.079E-04	1.073E-02	1.980E-04	1.271E-04	1.259E-04
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.779E-04	2.333E-04	1.600E-03	3.352E-03	5.740E-03	2.962E-04	2.028E-04	2.007E-04
S	0.000E+00	0.000E+00	0.000E+00	9.526E-05	7.781E-04	4.331E-04	1.164E-03	1.656E-04	3.838E-04	2.233E-04	1.233E-04	1.434E-05
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	9.066E-04	5.357E-04	1.723E-03	3.951E-04	1.489E-04	7.776E-05	6.283E-05	2.602E-05
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.296E-04	4.231E-04	1.490E-02	3.009E-04	2.003E-04	1.130E-04	2.963E-05	2.421E-05
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.600E-04	2.940E-04	7.858E-04	1.165E-04	5.718E-03	4.368E-02	2.537E-02	6.077E-04
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5.878E-04	4.308E-04	9.400E-04	9.440E-05	1.921E-04	1.297E-03	1.212E-03	3.921E-04
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6.813E-05	1.052E-03	7.249E-04	4.677E-05	3.498E-04	3.017E-04	1.114E-04	3.720E-05
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4.285E-04	3.465E-04	4.241E-05	6.774E-06	4.768E-06	2.327E-04	3.792E-04	2.276E-05
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.890E-05	3.409E-04	6.776E-05	1.537E-05	1.129E-05	1.749E-05	1.405E-05	1.740E-05

TOTAL DOSE COMMITMENT IS 1.411E-01 PERSON-REM/YR

TIME STEP NUMBER 6, 2007-08
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING
EXPUSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO	XRHO

N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, 2007-08
DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS VEG. ING
EXPUSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MS	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MSM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
M	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MNM	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 216
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.262E-07	3.462E-07	5.538E-07	9.291E-07	1.042E-05	3.966E-05	5.796E-05	7.299E-05	8.601E-05	9.758E-05	1.080E-04	1.176E-04
NNE	3.462E-07	6.090E-07	9.086E-07	1.230E-06	1.301E-05	6.747E-05	1.222E-04	1.739E-04	2.228E-04	2.687E-04	3.119E-04	3.525E-04
NE	4.356E-07	7.674E-07	1.105E-06	1.527E-06	1.402E-05	5.894E-05	9.953E-05	1.383E-04	1.752E-04	2.107E-04	2.446E-04	2.767E-04
ENE	6.006E-07	1.219E-06	1.946E-06	2.768E-06	2.674E-05	1.156E-04	1.942E-04	2.674E-04	3.357E-04	3.995E-04	4.593E-04	5.155E-04
E	6.484E-07	1.497E-06	2.551E-06	3.745E-06	3.872E-05	1.856E-04	3.272E-04	4.597E-04	5.831E-04	6.980E-04	8.055E-04	9.063E-04
ESE	4.557E-07	9.623E-07	1.533E-06	2.142E-06	2.106E-05	9.959E-05	1.584E-04	2.112E-04	2.581E-04	3.003E-04	3.389E-04	3.746E-04
SE	3.406E-07	7.037E-07	1.151E-06	1.692E-06	1.720E-05	6.480E-05	9.927E-05	1.334E-04	1.642E-04	1.923E-04	2.185E-04	2.428E-04
SSE	3.628E-07	8.019E-07	1.349E-06	2.082E-06	2.312E-05	1.052E-04	1.824E-04	2.641E-04	3.398E-04	4.100E-04	4.753E-04	5.363E-04
S	2.956E-07	6.842E-07	1.322E-06	2.084E-06	1.969E-05	7.984E-05	1.428E-04	1.900E-04	2.315E-04	2.690E-04	3.033E-04	3.350E-04
SSW	2.819E-07	7.954E-07	1.412E-06	1.964E-06	1.810E-05	9.630E-05	1.779E-04	2.571E-04	3.295E-04	3.960E-04	4.576E-04	5.148E-04
SW	1.941E-07	4.996E-07	7.454E-07	1.215E-06	1.370E-05	5.767E-05	9.627E-05	1.294E-04	1.589E-04	1.857E-04	2.107E-04	2.349E-04
WSW	1.334E-07	2.679E-07	5.295E-07	7.535E-07	7.082E-06	3.797E-05	6.776E-05	9.320E-05	1.159E-04	1.366E-04	1.557E-04	1.734E-04
W	1.413E-07	3.129E-07	5.805E-07	9.724E-07	1.253E-05	6.727E-05	1.236E-04	1.795E-04	2.304E-04	2.769E-04	3.198E-04	3.597E-04
WNW	9.992E-08	1.678E-07	3.347E-07	5.806E-07	6.132E-06	4.105E-05	8.276E-05	1.255E-04	1.661E-04	2.040E-04	2.397E-04	2.734E-04
NW	1.496E-07	2.834E-07	4.826E-07	8.162E-07	8.833E-06	4.031E-05	6.921E-05	9.238E-05	1.129E-04	1.314E-04	1.483E-04	1.640E-04
NNW	1.967E-07	3.496E-07	6.948E-07	9.720E-07	9.078E-06	4.216E-05	7.286E-05	1.026E-04	1.298E-04	1.550E-04	1.784E-04	2.002E-04

TOTAL DOSE COMMITMENT IS 2.501E-02 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 217
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MEAT ING

EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	XRHO 1.5	XRHO 2.5	XRHO 3.5	XRHO 4.5	XRHO 7.5	XRHO 15.0	XRHO 25.0	XRHO 35.0	XRHO 45.0	XRHO 55.0	XRHO 65.0	XRHO 75.0
N	2.559E-06	3.916E-06	6.266E-06	1.051E-05	1.179E-04	4.488E-04	6.558E-04	8.258E-04	9.732E-04	1.104E-03	1.222E-03	1.331E-03
NNE	3.917E-06	6.890E-06	1.028E-05	1.392E-05	1.472E-04	7.633E-04	1.382E-03	1.968E-03	2.520E-03	3.040E-03	3.529E-03	3.988E-03
NE	4.928E-06	8.682E-06	1.250E-05	1.727E-05	1.586E-04	6.668E-04	1.126E-03	1.565E-03	1.983E-03	2.384E-03	2.767E-03	3.131E-03
ENE	6.795E-06	1.379E-05	2.202E-05	3.132E-05	3.026E-04	1.308E-03	2.198E-03	3.025E-03	3.798E-03	4.520E-03	5.197E-03	5.833E-03
E	7.336E-06	1.694E-05	2.886E-05	4.237E-05	4.380E-04	2.100E-03	3.701E-03	5.202E-03	6.598E-03	7.897E-03	9.114E-03	1.025E-02
ESE	5.156E-06	1.089E-05	1.734E-05	2.423E-05	2.383E-04	1.127E-03	1.792E-03	2.390E-03	2.920E-03	3.397E-03	3.834E-03	4.238E-03
SE	3.853E-06	7.962E-06	1.302E-05	1.915E-05	1.946E-04	7.332E-04	1.123E-03	1.509E-03	1.858E-03	2.176E-03	2.472E-03	2.747E-03
SSE	4.105E-06	9.072E-06	1.527E-05	2.356E-05	2.616E-04	1.190E-03	2.063E-03	2.988E-03	3.845E-03	4.639E-03	5.378E-03	6.067E-03
S	3.344E-06	7.741E-06	1.496E-05	2.358E-05	2.227E-04	9.033E-04	1.615E-03	2.150E-03	2.620E-03	3.044E-03	3.432E-03	3.791E-03
SSW	3.189E-06	9.000E-06	1.598E-05	2.223E-05	2.048E-04	1.090E-03	2.013E-03	2.909E-03	3.728E-03	4.481E-03	5.177E-03	5.825E-03
SW	2.196E-06	5.652E-06	8.433E-06	1.375E-05	1.550E-04	6.525E-04	1.089E-03	1.464E-03	1.798E-03	2.101E-03	2.384E-03	2.658E-03
WSW	1.510E-06	3.031E-06	5.991E-06	8.526E-06	8.013E-05	4.296E-04	7.667E-04	1.054E-03	1.311E-03	1.545E-03	1.761E-03	1.961E-03
W	1.599E-06	3.540E-06	6.568E-06	1.100E-05	1.417E-04	7.611E-04	1.399E-03	2.031E-03	2.607E-03	3.133E-03	3.619E-03	4.069E-03
WNW	1.130E-06	1.899E-06	3.786E-06	6.569E-06	6.938E-05	4.645E-04	9.363E-04	1.420E-03	1.879E-03	2.308E-03	2.712E-03	3.094E-03
NW	1.692E-06	3.207E-06	5.460E-06	9.234E-06	9.994E-05	4.561E-04	7.830E-04	1.045E-03	1.277E-03	1.486E-03	1.678E-03	1.855E-03
NNW	2.225E-06	3.955E-06	7.861E-06	1.100E-05	1.027E-04	4.770E-04	8.243E-04	1.161E-03	1.469E-03	1.754E-03	2.019E-03	2.265E-03

TOTAL DOSE COMMITMENT IS 2.829E-01 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING

EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NWN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY
TABLE FOR THIS INFORMATION.

TIME STEP NUMBER 6, 2007-08 DURATION IN YRS IS... 2.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DIRECTION	1.5	2.5	3.5	4.5	7.5	15.0	25.0	35.0	45.0	55.0	65.0	75.0
N	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NNE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ENE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
E	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
ESE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
S	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
SW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MSW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
W	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
WNW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NW	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
NWN	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 DOSE COMMITMENT IS 0.000E+00 PERSON-REM/YR

WARNING--POPULATION FOOD INGESTION DOSES SHOWN
ABOVE HAVE NOT BEEN CORRECTED TO REFLECT POTENTIAL
FOOD EXPORT AND MAY EXCEED DOSES ACTUALLY RECEIVED
BY THE POPULATION OF THIS REGION. SEE SUMMARY.
TABLE FOR THIS INFORMATION.

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat

PAGE 220
08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

5. SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 6--DOSES SHOWN ARE 100-YEAR ENVIRONMENTAL DOSE COMMITMENTS, PERSON-REM/YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.201E-02	1.783E-01	2.761E-03	1.338E-01	6.428E-02	1.788E+01
GROUND	3.195E-03	3.195E-03	3.195E-03	3.195E-03	3.195E-03	3.195E-03
CLOUD	1.411E-01	1.411E-01	1.411E-01	1.411E-01	1.411E-01	1.411E-01
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	1.620E-02	1.833E-01	1.620E-02	5.923E-02	4.738E-02	1.620E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.825E-01	5.059E-01	1.632E-01	3.372E-01	2.559E-01	1.804E+01

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	8.802E-03	9.959E-02	8.802E-03	3.217E-02	2.574E-02	8.802E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.144E+01	2.918E+02	4.854E+00	2.144E+01	2.144E+01	1.376E+02
TOTALS	2.145E+01	2.919E+02	4.863E+00	2.147E+01	2.146E+01	1.376E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.201E-02	1.783E-01	2.761E-03	1.338E-01	6.428E-02	1.788E+01
GROUND	3.195E-03	3.195E-03	3.195E-03	3.195E-03	3.195E-03	3.195E-03
CLOUD	1.411E-01	1.411E-01	1.411E-01	1.411E-01	1.411E-01	1.411E-01
VEG. ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MEAT ING	2.501E-02	2.829E-01	2.501E-02	9.140E-02	7.311E-02	2.501E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.144E+01	2.918E+02	4.854E+00	2.144E+01	2.144E+01	1.376E+02
TOTALS	2.163E+01	2.924E+02	5.026E+00	2.181E+01	2.172E+01	1.556E+02

NO.	NAME	PTS2	AIRBORNE CONCENTRATIONS, PCI/M3				GROUND CONCENTRATIONS, PCI/M2			
			U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210
1	Sundquist Rch.	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Sundquist Rch.	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Sundquist Rch.	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1	Sundquist Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Lenzen Rch.	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Lenzen Rch.	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Lenzen Rch.	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2	Lenzen Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Crouch Rch.	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Crouch Rch.	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Crouch Rch.	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
3	Crouch Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Vollman Rch.	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Vollman Rch.	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Vollman Rch.	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
4	Vollman Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Potts Draw House	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Potts Draw House	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Potts Draw House	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
5	Potts Draw House	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Windmill House	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Windmill House	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Windmill House	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
6	Windmill House	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Reynolds Rch.	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Reynolds Rch.	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Reynolds Rch.	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
7	Reynolds Rch.	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	PBR 1	1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	PBR 1	2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	PBR 1	3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
8	PBR 1	4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
CONCENTRATION TOTALS			0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

No.	Name	PTSZ	U-238	Th-230	Ra-226	Pb-210	U-238	Th-230	Ra-226	Pb-210	GROUND CONCENTRATIONS, PCI/M2
9 PBR 2		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9 PBR 2		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9 PBR 2		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9 PBR 2		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
10 PBR 3		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10 PBR 3		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10 PBR 3		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10 PBR 3		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
11 PBR 4		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11 PBR 4		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11 PBR 4		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
11 PBR 4		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
12 PBR 5		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12 PBR 5		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12 PBR 5		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12 PBR 5		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
13 PBR 6		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13 PBR 6		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13 PBR 6		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13 PBR 6		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
14 PBR 7		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14 PBR 7		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14 PBR 7		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
14 PBR 7		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
15 PBR 8		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15 PBR 8		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15 PBR 8		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
15 PBR 8		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								
16 Glenrock		1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16 Glenrock		2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16 Glenrock		3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16 Glenrock		4	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
			CONCENTRATION TOTALS								

INDIVIDUAL RECEPTOR PARTICULATE CONCENTRATIONS

GROUND CONCENTRATIONS, PCI/M2

[illegible]

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 224

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

INDIVIDUAL RECEPTOR RADON AND RADON DAUGHTER CONCENTRATIONS

NO.	AIRBORNE CONCENTRATIONS, PCI/M3						GROUND CONCENTRATIONS, PCI/M2					
	Rn-222	Po-218	Pb-214	Bi-214	Pb-210	Bi-210	Po-210	WL	Po-218	Pb-214	Bi-214	Pb-210
1	9.178E-01	8.968E-01	4.223E-01	2.295E-01	6.100E-07	2.284E-09	2.523E-13	3.921E-06	7.103E-01	7.103E-01	7.103E-01	4.270E-01
2	2.887E+00	2.887E+00	2.043E+00	1.296E+00	3.581E-06	1.871E-08	3.274E-12	1.816E-05	2.286E+00	2.286E+00	2.286E+00	2.497E+00
3	2.606E+00	2.585E+00	1.610E+00	1.038E+00	3.595E-06	1.892E-08	3.053E-12	1.470E-05	2.048E+00	2.048E+00	2.048E+00	2.732E+00
4	4.807E+00	4.671E+00	2.049E+00	1.058E+00	3.708E-06	2.242E-08	4.471E-12	1.915E-05	3.700E+00	3.700E+00	3.700E+00	2.819E+00
5	2.814E+00	2.751E+00	1.348E+00	7.567E-01	2.116E-06	8.053E-09	8.781E-13	1.249E-05	2.179E+00	2.179E+00	2.179E+00	1.628E+00
6	4.028E+00	3.513E+00	1.677E+00	9.931E-01	3.328E-06	1.631E-08	2.330E-12	1.583E-05	2.783E+00	2.783E+00	2.783E+00	2.499E+00
7	1.005E+00	1.006E+00	9.534E-01	8.736E-01	1.108E-05	2.648E-07	2.046E-10	9.128E-06	7.967E-01	7.967E-01	7.967E-01	7.949E+00
8	4.660E+00	4.640E+00	2.967E+00	1.941E+00	6.924E-06	3.308E-08	4.499E-12	2.707E-05	3.675E+00	3.675E+00	3.675E+00	5.174E+00
9	3.156E+00	2.732E+00	7.656E-01	3.024E-01	4.381E-07	1.170E-09	1.221E-13	7.823E-06	2.164E+00	2.164E+00	2.164E+00	3.065E-01
10	3.021E+00	2.993E+00	1.917E+00	1.264E+00	5.415E-06	3.371E-08	5.960E-12	1.752E-05	2.370E+00	2.370E+00	2.370E+00	4.156E+00
11	7.703E+00	6.768E+00	2.390E+00	1.205E+00	4.291E-06	3.035E-08	6.525E-12	2.359E-05	5.360E+00	5.360E+00	5.360E+00	3.163E+00
12	2.542E+00	2.424E+00	1.373E+00	8.451E-01	3.205E-06	1.857E-08	3.135E-12	1.261E-05	1.920E+00	1.920E+00	1.920E+00	2.426E+00
13	1.007E+01	9.867E+00	5.098E+00	2.965E+00	9.122E-06	4.309E-08	6.782E-12	4.707E-05	7.815E+00	7.815E+00	7.815E+00	6.764E+00
14	1.485E+01	1.256E+01	4.022E+00	1.836E+00	4.175E-06	1.651E-08	2.478E-12	4.018E-05	9.949E+00	9.949E+00	9.949E+00	2.956E+00
15	5.204E+01	3.908E+01	1.003E+01	4.115E+00	6.640E-06	1.988E-08	2.538E-12	1.064E-04	3.095E+01	3.095E+01	3.095E+01	4.498E+00
16	6.180E-02	6.184E-02	5.763E-02	5.155E-02	5.399E-07	1.137E-08	8.088E-12	5.482E-07	4.898E-02	4.898E-02	4.898E-02	3.975E-01
17	5.680E-02	5.683E-02	5.430E-02	5.026E-02	6.620E-07	1.616E-08	1.277E-11	5.213E-07	4.501E-02	4.501E-02	4.501E-02	4.913E-01
18	3.965E-02	3.967E-02	3.985E-02	3.996E-02	2.190E-06	1.818E-07	5.233E-10	3.919E-07	3.142E-02	3.142E-02	3.142E-02	1.609E+00
19	9.356E-01	9.356E-01	7.212E-01	5.348E-01	3.569E-06	4.288E-08	1.548E-11	6.615E-06	7.411E-01	7.411E-01	7.411E-01	2.684E+00
20	8.118E+00	7.530E+00	2.933E+00	1.565E+00	4.199E-06	1.878E-08	3.243E-12	2.846E-05	5.964E+00	5.964E+00	5.964E+00	3.022E+00
21	1.315E+01	1.229E+01	4.705E+00	2.277E+00	4.560E-06	1.464E-08	1.511E-12	4.501E-05	9.734E+00	9.734E+00	9.734E+00	3.400E+00
2	1.659E+01	1.381E+01	4.219E+00	1.898E+00	3.767E-06	1.300E-08	1.899E-12	4.269E-05	1.094E+01	1.094E+01	1.094E+01	2.895E+00

R 1 NAME=Sundquist Rch. X= 0.1KM, Y= -4.1KM, Z= -80.4M, DIST= 4.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.19E-02	3.37E-03	3.18E-03	4.85E-03	3.78E-03	1.15E+00
CHILD	TOTALS	7.19E-02	3.50E-03	3.33E-03	4.08E-03	3.52E-03	1.15E+00
TEENAGE	TOTALS	7.19E-02	5.13E-03	3.26E-03	3.58E-03	3.35E-03	1.15E+00
ADULT	TOTALS	7.19E-02	4.01E-03	3.13E-03	3.40E-03	3.22E-03	1.15E+00

NUMBER 2 NAME=Lenzen Rch. X= -8.2KM, Y= 3.7KM, Z= 56.8M, DIST= 9.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.33E-01	1.83E-02	1.72E-02	2.71E-02	2.08E-02	3.62E+00
CHILD	TOTALS	2.33E-01	1.91E-02	1.81E-02	2.25E-02	1.92E-02	3.62E+00
TEENAGE	TOTALS	2.33E-01	2.87E-02	1.77E-02	1.96E-02	1.82E-02	3.62E+00
ADULT	TOTALS	2.33E-01	2.21E-02	1.70E-02	1.85E-02	1.75E-02	3.62E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 226

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 3 NAME=Crouch Rch. X= -8.1KM, Y= -2.5KM, Z= 41.6M, DIST= 8.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.09E-01	1.52E-02	1.41E-02	2.40E-02	1.77E-02	3.27E+00
CHILD	TOTALS	2.09E-01	1.60E-02	1.50E-02	1.94E-02	1.61E-02	3.27E+00
TEENAGE	TOTALS	2.09E-01	2.57E-02	1.46E-02	1.65E-02	1.52E-02	3.27E+00
ADULT	TOTALS	2.09E-01	1.90E-02	1.39E-02	1.54E-02	1.44E-02	3.27E+00

NUMBER 4 NAME=Vollman Rch. X= 1.8KM, Y= 6.6KM, Z= -10.3M, DIST= 6.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.75E-01	1.64E-02	1.53E-02	2.55E-02	1.90E-02	6.02E+00
CHILD	TOTALS	3.75E-01	1.73E-02	1.62E-02	2.07E-02	1.74E-02	6.02E+00
TEENAGE	TOTALS	3.75E-01	2.72E-02	1.58E-02	1.77E-02	1.63E-02	6.02E+00
ADULT	TOTALS	3.75E-01	2.03E-02	1.50E-02	1.66E-02	1.55E-02	6.02E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 227

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 5 NAME=Potts Draw House X= -2.7KM, Y= -4.5KM, Z= -43.8M, DIST= 5.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.21E-01	1.11E-02	1.04E-02	1.63E-02	1.25E-02	3.53E+00
CHILD	TOTALS	2.21E-01	1.16E-02	1.10E-02	1.36E-02	1.16E-02	3.53E+00
TEENAGE	TOTALS	2.21E-01	1.72E-02	1.07E-02	1.18E-02	1.10E-02	3.53E+00
ADULT	TOTALS	2.21E-01	1.33E-02	1.03E-02	1.12E-02	1.06E-02	3.53E+00

NUMBER 6 NAME=Windmill House X= -6.0KM, Y= -4.3KM, Z= -7.2M, DIST= 7.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.15E-01	1.48E-02	1.38E-02	2.30E-02	1.71E-02	5.05E+00
CHILD	TOTALS	3.15E-01	1.56E-02	1.46E-02	1.87E-02	1.57E-02	5.05E+00
TEENAGE	TOTALS	3.15E-01	2.45E-02	1.43E-02	1.60E-02	1.48E-02	5.05E+00
ADULT	TOTALS	3.15E-01	1.83E-02	1.36E-02	1.50E-02	1.40E-02	5.05E+00

R 7 NAME=Reynolds Rch. X= 26.3KM, Y= 11.1KM, Z= 16.9M, DIST= 28.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	8.84E-02	1.81E-02	1.48E-02	4.52E-02	2.57E-02	1.27E+00
CHILD	TOTALS	8.76E-02	2.07E-02	1.75E-02	3.10E-02	2.10E-02	1.27E+00
TEENAGE	TOTALS	8.82E-02	5.02E-02	1.63E-02	2.21E-02	1.79E-02	1.27E+00
ADULT	TOTALS	8.72E-02	2.98E-02	1.39E-02	1.87E-02	1.55E-02	1.27E+00

NUMBER 8 NAME=PBR 1

X= 0.9KM, Y= -5.2KM, Z= -2.0M, DIST= 5.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.75E-01	2.85E-02	2.64E-02	4.55E-02	3.33E-02	5.85E+00
CHILD	TOTALS	3.74E-01	3.01E-02	2.82E-02	3.66E-02	3.03E-02	5.85E+00
TEENAGE	TOTALS	3.75E-01	4.86E-02	2.74E-02	3.10E-02	2.84E-02	5.85E+00
ADULT	TOTALS	3.74E-01	3.59E-02	2.59E-02	2.89E-02	2.69E-02	5.85E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 229

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

1 9 NAME=PBR 2 X= -0.7KM, Y= -1.9KM, Z= -58.0M, DIST= 2.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.41E-01	4.67E-03	4.54E-03	5.74E-03	4.97E-03	3.95E+00
CHILD	TOTALS	2.41E-01	4.77E-03	4.65E-03	5.18E-03	4.78E-03	3.95E+00
TEENAGE	TOTALS	2.41E-01	5.94E-03	4.60E-03	4.83E-03	4.66E-03	3.95E+00
ADULT	TOTALS	2.41E-01	5.13E-03	4.51E-03	4.70E-03	4.57E-03	3.95E+00

NUMBER 10 NAME=PBR 3

X= -4.5KM, Y= -7.0KM, Z= -15.0M, DIST= 8.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.43E-01	1.93E-02	1.76E-02	3.25E-02	2.30E-02	3.79E+00
CHILD	TOTALS	2.43E-01	2.05E-02	1.89E-02	2.56E-02	2.06E-02	3.79E+00
TEENAGE	TOTALS	2.43E-01	3.50E-02	1.83E-02	2.12E-02	1.91E-02	3.79E+00
ADULT	TOTALS	2.43E-01	2.50E-02	1.72E-02	1.95E-02	1.79E-02	3.79E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 230

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 11 NAME=PBR 4

X= -8.4KM, Y= -6.2KM, Z= 65.0M, DIST= 10.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.95E-01	1.90E-02	1.77E-02	2.95E-02	2.20E-02	9.65E+00
CHILD	TOTALS	5.94E-01	2.00E-02	1.88E-02	2.40E-02	2.01E-02	9.65E+00
TEENAGE	TOTALS	5.95E-01	3.15E-02	1.83E-02	2.06E-02	1.89E-02	9.65E+00
ADULT	TOTALS	5.94E-01	2.36E-02	1.74E-02	1.93E-02	1.80E-02	9.65E+00

NUMBER 12 NAME=PBR 5

X= -7.2KM, Y= -4.5KM, Z= 6.0M, DIST= 8.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.02E-01	1.27E-02	1.18E-02	2.06E-02	1.49E-02	3.19E+00
CHILD	TOTALS	2.02E-01	1.35E-02	1.26E-02	1.65E-02	1.36E-02	3.19E+00
TEENAGE	TOTALS	2.02E-01	2.21E-02	1.22E-02	1.39E-02	1.27E-02	3.19E+00
ADULT	TOTALS	2.02E-01	1.61E-02	1.15E-02	1.29E-02	1.20E-02	3.19E+00

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 231

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 13 NAME=PBR 6

X= 4.2KM, Y= 1.1KM, Z= -2.0M, DIST= 4.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.95E-01	4.37E-02	4.09E-02	6.60E-02	4.99E-02	1.26E+01
CHILD	TOTALS	7.94E-01	4.58E-02	4.32E-02	5.43E-02	4.60E-02	1.26E+01
TEENAGE	TOTALS	7.95E-01	7.02E-02	4.21E-02	4.69E-02	4.35E-02	1.26E+01
ADULT	TOTALS	7.94E-01	5.33E-02	4.02E-02	4.42E-02	4.15E-02	1.26E+01

NUMBER 14 NAME=PBR 7

X= 2.1KM, Y= 2.3KM, Z= 4.0M, DIST= 3.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.14E+00	2.81E-02	2.68E-02	3.83E-02	3.09E-02	1.86E+01
CHILD	TOTALS	1.14E+00	2.90E-02	2.78E-02	3.29E-02	2.91E-02	1.86E+01
TEENAGE	TOTALS	1.14E+00	4.02E-02	2.74E-02	2.95E-02	2.80E-02	1.86E+01
ADULT	TOTALS	1.14E+00	3.25E-02	2.65E-02	2.83E-02	2.71E-02	1.86E+01

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 232

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 15 NAME=PBR 8

X= 0.9KM, Y= 0.7KM, Z= 28.0M, DIST= 1.1KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.96E+00	6.39E-02	6.18E-02	8.01E-02	6.84E-02	6.51E+01
CHILD	TOTALS	3.96E+00	6.53E-02	6.35E-02	7.16E-02	6.55E-02	6.51E+01
TEENAGE	TOTALS	3.96E+00	8.30E-02	6.27E-02	6.62E-02	6.37E-02	6.51E+01
ADULT	TOTALS	3.96E+00	7.08E-02	6.13E-02	6.42E-02	6.22E-02	6.51E+01

NUMBER 16 NAME=Glenrock

X= -26.6KM, Y= -16.4KM, Z=-162.0M, DIST= 31.2KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.37E-03	9.88E-04	8.23E-04	2.31E-03	1.36E-03	7.78E-02
CHILD	TOTALS	5.33E-03	1.11E-03	9.57E-04	1.62E-03	1.12E-03	7.78E-02
TEENAGE	TOTALS	5.36E-03	2.55E-03	8.97E-04	1.18E-03	9.76E-04	7.78E-02
ADULT	TOTALS	5.31E-03	1.56E-03	7.82E-04	1.02E-03	8.56E-04	7.78E-02

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 233

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 17 NAME=Douglas

X= 13.9KM, Y= -28.2KM, Z=-177.9M, DIST= 31.4KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.01E-03	1.06E-03	8.60E-04	2.68E-03	1.52E-03	7.16E-02
CHILD	TOTALS	4.97E-03	1.21E-03	1.03E-03	1.83E-03	1.23E-03	7.16E-02
TEENAGE	TOTALS	5.00E-03	2.98E-03	9.51E-04	1.30E-03	1.05E-03	7.16E-02
ADULT	TOTALS	4.94E-03	1.76E-03	8.10E-04	1.10E-03	9.01E-04	7.16E-02

NUMBER 18 NAME=Casper

X=-110.9KM, Y= -17.6KM, Z=-115.4M, DIST= 112.3KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.04E-03	2.09E-03	1.44E-03	7.44E-03	3.59E-03	5.00E-02
CHILD	TOTALS	3.89E-03	2.59E-03	1.98E-03	4.64E-03	2.65E-03	5.00E-02
TEENAGE	TOTALS	4.01E-03	8.44E-03	1.72E-03	2.87E-03	2.04E-03	5.00E-02
ADULT	TOTALS	3.81E-03	4.40E-03	1.26E-03	2.21E-03	1.56E-03	5.00E-02

REGION: Rio Algom

CODE: MILDOS-AREA (02/97)

PAGE 234

METSET: Casper

DATA: riomil3.dat

08/20/99

TIME STEP NUMBER 6, 2007-08

DURATION IN YRS IS... 2.0

R 19 NAME=Highlands Mine X= 13.4KM, Y= 1.6KM, Z= -81.5M, DIST= 13.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.74E-02	8.94E-03	7.84E-03	1.76E-02	1.14E-02	1.18E+00
CHILD	TOTALS	7.72E-02	9.74E-03	8.73E-03	1.31E-02	9.84E-03	1.18E+00
TEENAGE	TOTALS	7.74E-02	1.93E-02	8.33E-03	1.02E-02	8.86E-03	1.18E+00
ADULT	TOTALS	7.71E-02	1.27E-02	7.57E-03	9.13E-03	8.06E-03	1.18E+00

NUMBER 20 NAME=DWSAT1

X= -1.1KM, Y= 4.4KM, Z= 22.0M, DIST= 4.5KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.30E-01	2.33E-02	2.20E-02	3.35E-02	2.61E-02	1.02E+01
CHILD	TOTALS	6.30E-01	2.42E-02	2.30E-02	2.81E-02	2.43E-02	1.02E+01
TEENAGE	TOTALS	6.30E-01	3.54E-02	2.25E-02	2.47E-02	2.32E-02	1.02E+01
ADULT	TOTALS	6.30E-01	2.77E-02	2.17E-02	2.35E-02	2.22E-02	1.02E+01

REGION: Rio Algom
METSET: Casper

CODE: MILDOS-AREA (02/97)
DATA: riomil3.dat
TIME STEP NUMBER 6, 2007-08

PAGE 235
08/20/99
DURATION IN YRS IS... 2.0

R 21 NAME=DWSAT2 X= -4.8KM, Y= 0.3KM, Z= 38.0M, DIST= 4.8KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.02E+00	3.35E-02	3.21E-02	4.46E-02	3.66E-02	1.65E+01
CHILD	TOTALS	1.02E+00	3.45E-02	3.32E-02	3.88E-02	3.46E-02	1.65E+01
TEENAGE	TOTALS	1.02E+00	4.67E-02	3.27E-02	3.51E-02	3.34E-02	1.65E+01
ADULT	TOTALS	1.02E+00	3.83E-02	3.17E-02	3.37E-02	3.24E-02	1.65E+01

NUMBER 22 NAME=DWPF X= 1.1KM, Y= 2.8KM, Z= 10.0M, DIST= 3.0KM, IRTYPE= 1

40CFR190 ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL ANNUAL DOSE COMMITMENTS COMPUTED FOR THIS LOCATION, MREM/YR

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.27E+00	2.88E-02	2.77E-02	3.80E-02	3.14E-02	2.08E+01
CHILD	TOTALS	1.27E+00	2.97E-02	2.86E-02	3.32E-02	2.98E-02	2.08E+01
TEENAGE	TOTALS	1.27E+00	3.98E-02	2.82E-02	3.02E-02	2.87E-02	2.08E+01
ADULT	TOTALS	1.27E+00	3.28E-02	2.74E-02	2.90E-02	2.79E-02	2.08E+01