APPENDIX F
MILDOS OUTPUT FOR TAILINGS SCENARIO 4
RUN SCEN 4-RN.RAD

0 TABLE OF CONTENTS

0METEOROLOGICAL DATA 2
INDIVIDUAL RECEPTORS & MISCELLANEOUS INPUT DATA 3
POPULATION DISTRIBUTION 4
SOURCE PARAMETERS 5

TIME STEP 1,
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR
INHALATION PATHWAY 6
GROUND PATHWAY 10
CLOUD PATHWAY 11
VEGETATION INGESTION PATHWAY 12
MEAT INGESTION PATHWAY 14
MILK INGESTION PATHWAY 16
POPULATION DOSE SUMMARY 18
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 19

1REGION: Scenario 3 - TOP CODE: MILDOS-AREA (02/97) PAGE 2
METSET: DATA: SCEN4.RAD 11/13/09
JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.41134,0.32111,0.16498,0.08186,0.01814,0.00250

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.2280	0.0570	0.0680	0.1030	0.0230	0.0230	0.0230	0.0230	0.0000	0.0110	0.0110	0.0570	0.1250	0.4330	0.6500	0.3530	2.1880
5.5	0.1370	0.0910	0.0800	0.0570	0.0570	0.0230	0.0110	0.0230	0.0340	0.0230	0.1140	0.0570	0.1480	0.3080	0.4790	0.3310	1.9730
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.3650	0.1480	0.1480	0.1600	0.0800	0.0460	0.0340	0.0460	0.0340	0.0340	0.1250	0.1140	0.2730	0.7410	1.1290	0.6840	4.1610
STABILITY CLASS 2																	
1.5	0.5590	0.5240	0.3880	0.4330	0.4790	0.6040	0.3990	0.2390	0.0910	0.2280	0.3990	1.1290	1.6420	1.8470	1.4140	0.7640	11.1390
5.5	0.2050	0.0680	0.0110	0.0910	0.1140	0.0570	0.0340	0.0230	0.0460	0.0910	0.2960	0.2510	0.4100	0.7640	0.9460	0.4900	3.8970
10.0	0.1480	0.0340	0.0230	0.0000	0.0000	0.0110	0.0230	0.0000	0.0460	0.1710	0.2740	0.2510	0.2050	0.1940	0.2740	0.2050	1.8590
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.9120	0.6260	0.4220	0.5240	0.5930	0.6720	0.4560	0.2620	0.1830	0.4900	0.9690	1.6310	2.2570	2.8050	2.6340	1.4590	16.8950
STABILITY CLASS 3																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5.5	0.0910	0.0910	0.0910	0.1030	0.1370	0.3530	0.0910	0.0800	0.1140	0.1030	0.2620	0.3420	0.4220	0.6380	0.6950	0.3760	3.9890
10.0	0.1600	0.0230	0.0570	0.0110	0.0460	0.1480	0.0570	0.0460	0.1480	0.4560	0.5930	0.6040	0.3530	0.5470	0.6950	0.4790	4.4230
15.5	0.0460	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110	0.1600	0.2620	0.0680	0.0570	0.0460	0.0230	0.0460	0.7300
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0800	0.0680	0.0000	0.0110	0.0110	0.0000	0.0000	0.1700
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110
ALL	0.2970	0.1250	0.1480	0.1140	0.1830	0.5010	0.1480	0.1260	0.2730	0.8100	1.1850	1.0140	0.8430	1.2420	1.4130	0.9010	9.3230
STABILITY CLASS 4																	
1.5	0.3080	0.0910	0.2740	0.3080	0.6040	1.6190	1.7670	0.8090	0.6270	0.4670	0.4450	0.5240	0.5360	0.7070	0.4450	0.2170	9.7480
5.5	0.1600	0.0910	0.0910	0.0800	0.5810	3.7170	2.7590	0.4560	0.3190	0.4330	0.4900	0.5700	0.7640	1.0490	0.7980	0.2390	12.5970
10.0	0.3420	0.1940	0.0460	0.0460	0.0910	1.3230	1.2770	0.2740	0.7410	1.2770	1.0150	0.6610	0.6950	0.6730	0.9230	0.6380	10.2160
15.5	0.2740	0.0800	0.0110	0.0000	0.0570	0.2170	0.0800	0.1480	0.6730	1.6300	1.4710	0.6270	0.6380	0.4670	0.6950	0.3880	7.4560
21.5	0.0460	0.0000	0.0000	0.0000	0.0230	0.0230	0.0460	0.0460	0.1600	0.4790	0.4670	0.0460	0.0460	0.1140	0.1480	0.0000	1.6440
28.0	0.0230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1370	0.0680	0.0000	0.0000	0.0000	0.0110	0.0000	0.2390
ALL	1.1530	0.4560	0.4220	0.4340	1.3560	6.8990	5.9290	1.7330	2.5200	4.4230	3.9560	2.4280	2.6790	3.0100	3.0200	1.4820	41.9000
STABILITY CLASS 5																	
1.5	0.0110	0.0110	0.0110	0.0110	0.0000	0.0680	0.0460	0.0460	0.0000	0.0110	0.0110	0.0570	0.0230	0.0230	0.0800	0.0570	0.4660
5.5	0.0340	0.0110	0.0230	0.1140	0.3190	1.9720	1.9610	0.3420	0.0680	0.0460	0.1820	0.2170	0.2960	0.3650	0.2050	0.1030	6.2580
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.0450	0.0220	0.0340	0.1250	0.3190	2.0400	2.0070	0.3880	0.0680	0.0570	0.1930	0.2740	0.3190	0.3880	0.2850	0.1600	6.7240
STABILITY CLASS 6																	
1.5	0.2510	0.2740	0.4100	0.4220	1.0260	3.1470	4.3550	1.9840	1.2770	0.7410	0.6840	0.7640	0.7410	0.7870	0.4220	0.3080	17.5930
5.5	0.0570	0.0340	0.0230	0.0000	0.1820	1.1170	1.0600	0.2510	0.0680	0.0680	0.0460	0.1030	0.1140	0.1600	0.0680	0.0460	3.3970
10.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ALL	0.3080	0.3080	0.4330	0.4220	1.2080	4.2640	5.4150	2.2350	1.3450	0.8090	0.7300	0.8670	0.8550	0.9470	0.4900	0.3540	20.9900
ALL	3.0800	1.6850	1.6070	1.7790	3.7390	14.4220	13.9890	4.7900	4.4230	6.6230	7.1580	6.3280	7.2260	9.1330	8.9710	5.0400	99.9930

INDIVIDUAL RECEPTOR LOCATION DATA, 28 LOCATIONS INPUT THIS RUN

I	LOCATION NAMES	X(KM)	Y(KM)	Z(M)	DIST(KM)	TYPE	I	LOCATION NAMES	X(KM)	Y(KM)	Z(M)	DIST(KM)	TYPE
1	Naturita	17.30	-4.53	-45.00	17.88	1	15	Receptor 7	-0.82	0.83	-34.00	1.17	1
2	Herron Residence	-5.05	-4.68	-45.00	6.89	1	16	Receptor 8	-0.83	1.66	-45.00	1.86	1
3	Boren Residence	-7.57	6.11	-45.00	9.73	1	17	Receptor 9	-0.03	1.68	-41.00	1.68	1
4	Kinder Residence	-7.62	6.09	-45.00	9.75	1	18	Receptor 10	0.37	1.69	-45.00	1.73	1
5	Davis/Fehlman Reside	5.30	-2.65	32.00	5.93	1	19	Receptor 11	0.65	1.58	-45.00	1.71	1
6	Hurdle Residence	6.37	3.18	56.00	7.12	1	20	Receptor 12	0.77	1.51	-43.00	1.70	1
7	Hogan Structures	-3.70	-0.96	100.00	3.82	1	21	Receptor 13	0.78	0.76	-32.00	1.09	1
8	Bed Rock	10.87	7.33	-45.00	13.11	1	22	Receptor 14	0.79	0.01	-15.00	0.79	1
9	Receptor 1	0.00	-0.33	-1.00	0.33	1	23	Receptor 15	0.80	-0.33	-6.00	0.87	1
10	Receptor 2	0.00	-0.74	17.00	0.74	1	24	Office Bldg	0.69	1.10	-36.00	1.30	1
11	Receptor 3	-0.40	-0.75	86.00	0.85	1	25	Telluride	78.40	-33.60	100.00	85.30	1
12	Receptor 4	-0.41	-0.35	36.00	0.53	1	26	Norwood	40.94	-13.17	100.00	43.01	1
13	Receptor 5	-0.81	-0.36	100.00	0.89	1	27	Montrose	75.80	25.40	84.00	79.94	1
14	Receptor 6	-0.81	-0.01	13.00	0.82	1	28	Moab	-65.70	35.70	-40.00	74.77	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	2009.00	0.50	0.50	0.50	0.50	140.00	160.00	70.00	2.50

IPACT EQUALS 1,

JC EQUALS 1, 0, 0, 1, 0, 0, 1, 0, 0, 0

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1		5.00	1

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

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.0- 3.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3.0- 4.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4.0- 5.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5.0-10.0	88	88	11	89	88	88	88	29	118	29	29	88	88	15	88	88
10.0-20.0	353	353	88	353	1087	988	353	118	196	118	118	353	353	304	353	353
20.0-30.0	589	589	353	589	589	970	196	196	275	196	325	589	589	98	589	589
30.0-40.0	1099	1099	589	824	824	275	275	137	353	275	275	137	137	137	824	1099
40.0-50.0	1413	1413	1413	1060	1060	791	353	177	177	353	177	177	177	177	177	1413
50.0-60.0	1727	1713	1060	1295	1295	432	216	216	216	905	216	216	555	216	216	1727
60.0-70.0	2041	2041	2296	1531	765	603	255	255	573	255	255	2113	255	255	255	2041
70.0-80.0	2355	2355	9049	1573	883	614	294	294	5404	1472	294	294	294	5073	294	2355
1.0-80.0	9669	9655	14863	7318	6595	4765	2034	1426	7316	3607	1693	3971	2452	6279	2800	9669

TOTAL 1-80 KM POPULATION IS 94112 PERSONS

NUMBER OF SOURCES= 1

NO.	KM X	KM Y	M Z	KM2 AREA	CI/YEAR U-238	Th-230	Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	0.27	0.00	-15.00	0.0120	2.95E-03	2.95E-03	2.95E-03	2.95E-03	4.89E+01	2001	3	0.00E+00	Ore Pad

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	6.47E+02	6.47E+02	6.47E+02	6.47E+02
2	2.59E+01	6.47E+02	6.47E+02	6.47E+02
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00

AMAD AND FRACTIONAL DISTRIBUTION

SET	1.5	3.0	7.7	54.0
1	0.000	1.000	0.000	0.000
2	1.000	0.000	0.000	0.000
3	0.000	0.000	0.300	0.700

PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 5.00YRS	TSTEP 2 5.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	5.000E-01	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 1 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 5.00YRS	TSTEP 2 5.00YRS	TSTEP 3 5.00YRS	TSTEP 4 5.00YRS	TSTEP 5 5.00YRS	TSTEP 6 5.00YRS	TSTEP 7 5.00YRS	TSTEP 8 5.00YRS	TSTEP 9 5.00YRS	TSTEP10 5.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	5.079E-06	2.569E-06	1.613E-06	1.193E-06	6.884E-05	1.533E-04	1.697E-04	2.476E-04	2.680E-04	2.877E-04	3.066E-04	3.250E-04
NNE	2.381E-05	1.172E-05	7.194E-06	4.975E-06	2.749E-04	5.308E-04	5.024E-04	6.404E-04	6.173E-04	5.938E-04	5.834E-04	5.708E-04
NE	3.684E-05	1.399E-05	7.625E-06	4.922E-06	3.045E-05	1.096E-04	2.508E-04	2.891E-04	5.264E-04	3.174E-04	5.744E-04	1.945E-03
ENE	1.599E-05	4.669E-06	2.212E-06	1.320E-06	6.024E-05	1.255E-04	1.529E-04	1.796E-04	2.059E-04	2.314E-04	2.564E-04	2.501E-04
E	8.254E-06	2.862E-06	1.552E-06	1.028E-06	5.736E-05	4.316E-04	1.745E-04	2.085E-04	2.422E-04	2.749E-04	1.534E-04	1.691E-04
ESE	9.253E-06	3.308E-06	1.807E-06	1.201E-06	6.620E-05	4.513E-04	3.377E-04	8.280E-05	2.169E-04	1.107E-04	1.467E-04	1.431E-04
SE	7.778E-06	3.449E-06	2.039E-06	1.395E-06	7.919E-05	1.776E-04	6.850E-05	7.830E-05	8.786E-05	4.882E-05	5.354E-05	5.821E-05
SSE	3.907E-06	1.487E-06	8.188E-07	5.431E-07	9.665E-06	2.273E-05	2.851E-05	1.733E-05	2.047E-05	2.341E-05	2.630E-05	2.912E-05
S	2.693E-06	1.439E-06	9.233E-07	6.895E-07	5.359E-05	5.020E-05	4.779E-05	4.903E-05	2.115E-05	2.314E-05	5.642E-05	4.973E-04
SSW	3.151E-07	1.831E-07	1.322E-07	1.114E-07	2.661E-06	8.652E-06	1.269E-05	1.667E-05	2.042E-05	5.044E-05	1.377E-05	7.733E-05
SW	6.843E-08	5.674E-08	5.601E-08	5.845E-08	1.891E-06	7.981E-06	2.185E-05	1.810E-05	1.138E-05	1.356E-05	1.565E-05	1.766E-05
WSW	1.988E-07	9.020E-08	6.802E-08	6.343E-08	5.847E-06	2.519E-05	4.279E-05	9.833E-06	1.247E-05	1.492E-05	1.430E-04	1.950E-05
W	8.105E-07	4.024E-07	2.746E-07	2.307E-07	1.727E-05	5.935E-05	8.879E-05	1.925E-05	2.358E-05	7.081E-05	3.135E-05	3.497E-05
WNW	1.503E-06	8.430E-07	6.239E-07	5.533E-07	7.421E-06	1.319E-04	3.856E-05	5.039E-05	6.177E-05	7.215E-05	8.201E-05	1.577E-03
NW	1.758E-06	9.439E-07	6.999E-07	6.217E-07	5.006E-05	1.772E-04	2.705E-04	3.540E-04	7.204E-05	8.397E-05	9.522E-05	1.059E-04
NNW	1.846E-06	9.092E-07	6.071E-07	4.887E-07	3.346E-05	9.834E-05	1.370E-04	2.314E-04	2.765E-04	3.186E-04	3.584E-04	3.961E-04

TOTAL DOSE COMMITMENT IS 2.277E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	4.698E-05	2.324E-05	1.435E-05	1.047E-05	5.888E-04	1.260E-03	1.363E-03	1.976E-03	2.136E-03	2.294E-03	2.449E-03	2.599E-03
NNE	2.261E-04	1.095E-04	6.645E-05	4.549E-05	2.452E-03	4.512E-03	4.103E-03	5.117E-03	4.878E-03	4.669E-03	4.579E-03	4.479E-03
NE	3.511E-04	1.307E-04	7.024E-05	4.483E-05	2.698E-04	9.235E-04	2.034E-03	2.301E-03	4.155E-03	2.497E-03	4.517E-03	1.531E-02
ENE	1.508E-04	4.289E-05	1.992E-05	1.168E-05	5.134E-04	1.023E-03	1.227E-03	1.437E-03	1.649E-03	1.856E-03	2.059E-03	2.010E-03
E	7.639E-05	2.588E-05	1.379E-05	9.008E-06	4.876E-04	3.527E-03	1.404E-03	1.672E-03	1.943E-03	2.207E-03	1.233E-03	1.360E-03
ESE	8.659E-05	3.025E-05	1.624E-05	1.064E-05	5.678E-04	3.708E-03	2.724E-03	6.650E-04	1.741E-03	8.895E-04	1.179E-03	1.152E-03
SE	7.235E-05	3.143E-05	1.829E-05	1.235E-05	6.821E-04	1.465E-03	5.521E-04	6.267E-04	7.024E-04	3.905E-04	4.288E-04	4.667E-04
SSE	3.644E-05	1.348E-05	7.269E-06	4.741E-06	8.145E-05	1.841E-04	2.284E-04	1.388E-04	1.642E-04	1.881E-04	2.115E-04	2.344E-04
S	2.539E-05	1.333E-05	8.428E-06	6.216E-06	4.699E-04	4.201E-04	3.883E-04	3.938E-04	1.692E-04	1.850E-04	4.513E-04	3.981E-03
SSW	2.820E-06	1.602E-06	1.135E-06	9.439E-07	2.201E-05	7.010E-05	1.023E-04	1.345E-04	1.648E-04	4.071E-04	1.112E-04	6.244E-04
SW	5.946E-07	4.780E-07	4.640E-07	4.802E-07	1.539E-05	6.469E-05	1.770E-04	1.466E-04	9.212E-05	1.098E-04	1.266E-04	1.428E-04
WSW	1.809E-06	7.826E-07	5.702E-07	5.225E-07	4.754E-05	2.043E-04	3.469E-04	7.968E-05	1.010E-04	1.208E-04	1.157E-03	1.577E-04
W	7.405E-06	3.579E-06	2.387E-06	1.974E-06	1.440E-04	4.837E-04	7.188E-04	1.556E-04	1.905E-04	5.720E-04	2.532E-04	2.825E-04
WNW	1.346E-05	7.336E-06	5.313E-06	4.646E-06	6.109E-05	1.070E-03	3.118E-04	4.072E-04	4.992E-04	5.831E-04	6.628E-04	1.275E-02
NW	1.587E-05	8.269E-06	5.987E-06	5.238E-06	4.131E-04	1.441E-03	2.190E-03	2.864E-03	5.826E-04	6.789E-04	7.697E-04	8.558E-04
NNW	1.692E-05	8.108E-06	5.293E-06	4.192E-06	2.798E-04	8.023E-04	1.108E-03	1.868E-03	2.231E-03	2.571E-03	2.892E-03	3.197E-03

TOTAL DOSE COMMITMENT IS 1.835E-01 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS AVG.LUNG

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	1.720E-05	8.707E-06	5.384E-06	3.898E-06	2.126E-04	4.158E-04	3.880E-04	4.784E-04	4.415E-04	4.075E-04	3.768E-04	3.491E-04
NNE	7.909E-05	3.947E-05	2.442E-05	1.696E-05	9.473E-04	1.850E-03	1.731E-03	2.140E-03	1.978E-03	1.811E-03	1.686E-03	1.557E-03
NE	1.220E-04	4.720E-05	2.600E-05	1.687E-05	1.053E-04	3.790E-04	8.421E-04	9.245E-04	1.586E-03	8.945E-04	1.507E-03	4.735E-03
ENE	5.348E-05	1.590E-05	7.513E-06	4.391E-06	1.833E-04	2.950E-04	2.709E-04	2.483E-04	2.286E-04	2.112E-04	1.963E-04	1.634E-04
E	2.812E-05	9.807E-06	5.217E-06	3.331E-06	1.670E-04	9.636E-04	2.868E-04	2.636E-04	2.438E-04	2.266E-04	1.060E-04	9.984E-05
ESE	3.117E-05	1.122E-05	6.024E-06	3.863E-06	1.902E-04	9.815E-04	5.378E-04	1.014E-04	2.119E-04	8.888E-05	9.911E-05	8.306E-05
SE	2.638E-05	1.182E-05	6.954E-06	4.679E-06	2.515E-04	4.801E-04	1.485E-04	1.376E-04	1.272E-04	5.905E-05	5.490E-05	5.126E-05
SSE	1.320E-05	5.088E-06	2.767E-06	1.779E-06	2.853E-05	5.024E-05	4.504E-05	2.066E-05	1.912E-05	1.768E-05	1.646E-05	1.545E-05
S	8.984E-06	4.827E-06	3.078E-06	2.268E-06	1.684E-04	1.387E-04	1.102E-04	9.451E-05	3.440E-05	3.207E-05	6.737E-05	5.167E-04
SSW	1.063E-06	5.757E-07	3.719E-07	2.797E-07	5.111E-06	1.042E-05	1.002E-05	9.677E-06	9.364E-06	1.920E-05	4.514E-06	2.248E-05
SW	1.820E-07	1.016E-07	6.863E-08	5.398E-08	1.061E-06	2.566E-06	5.041E-06	3.526E-06	2.013E-06	2.267E-06	2.533E-06	2.810E-06
WSW	6.026E-07	1.938E-07	8.749E-08	4.875E-08	1.755E-06	3.794E-06	5.893E-06	1.324E-06	1.679E-06	2.028E-06	1.974E-05	2.742E-06
W	2.628E-06	1.169E-06	6.803E-07	4.926E-07	2.637E-05	5.408E-05	5.413E-05	8.973E-06	9.031E-06	2.333E-05	9.179E-06	9.330E-06
WNW	4.937E-06	2.445E-06	1.511E-06	1.133E-06	1.055E-05	1.090E-04	2.105E-05	2.093E-05	2.105E-05	2.117E-05	2.145E-05	3.776E-04
NW	5.669E-06	2.592E-06	1.534E-06	1.106E-06	5.895E-05	1.188E-04	1.228E-04	1.257E-04	2.154E-05	2.213E-05	2.283E-05	2.364E-05
NNW	6.029E-06	2.722E-06	1.595E-06	1.127E-06	5.909E-05	1.141E-04	1.106E-04	1.436E-04	1.399E-04	1.369E-04	1.347E-04	1.332E-04

TOTAL DOSE COMMITMENT IS 4.003E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS INHAL. EXPOSED ORGAN IS BRONCHI

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	4.365E-03	1.859E-03	1.073E-03	7.241E-04	3.080E-02	4.850E-02	4.233E-02	5.218E-02	4.897E-02	4.636E-02	4.413E-02	4.217E-02
NNE	3.408E-03	1.417E-03	8.166E-04	5.484E-04	2.451E-02	4.101E-02	3.735E-02	4.712E-02	4.504E-02	4.295E-02	4.179E-02	4.044E-02
NE	3.290E-03	1.385E-03	8.158E-04	5.585E-04	3.215E-03	1.106E-02	2.467E-02	2.792E-02	4.992E-02	2.952E-02	5.232E-02	1.732E-01
ENE	4.041E-03	1.714E-03	1.029E-03	7.167E-04	3.371E-02	5.887E-02	5.459E-02	5.162E-02	4.934E-02	4.736E-02	4.566E-02	3.926E-02
E	5.360E-03	2.104E-03	1.222E-03	8.361E-04	3.897E-02	2.168E-01	6.546E-02	6.206E-02	5.944E-02	5.715E-02	2.756E-02	2.666E-02
ESE	5.014E-03	2.245E-03	1.385E-03	9.803E-04	4.676E-02	2.376E-01	1.317E-01	2.548E-02	5.481E-02	2.363E-02	2.700E-02	2.308E-02
SE	3.105E-03	1.540E-03	9.950E-04	7.248E-04	3.614E-02	6.747E-02	2.157E-02	2.090E-02	2.022E-02	9.833E-03	9.552E-03	9.290E-03
SSE	1.772E-03	8.893E-04	5.747E-04	4.182E-04	6.798E-03	1.269E-02	1.200E-02	5.781E-03	5.623E-03	5.445E-03	5.284E-03	5.134E-03
S	1.212E-03	6.251E-04	4.060E-04	2.979E-04	1.972E-02	1.509E-02	1.204E-02	1.064E-02	4.008E-03	3.873E-03	8.425E-03	6.680E-02
SSW	1.072E-03	5.215E-04	3.285E-04	2.357E-04	3.633E-03	6.435E-03	5.940E-03	5.670E-03	5.422E-03	1.093E-02	2.510E-03	1.212E-02
SW	1.189E-03	5.963E-04	3.785E-04	2.731E-04	4.230E-03	7.447E-03	1.137E-02	6.478E-03	3.082E-03	2.938E-03	2.812E-03	2.699E-03
WSW	1.515E-03	7.143E-04	4.379E-04	3.095E-04	1.409E-02	2.461E-02	2.282E-02	3.573E-03	3.412E-03	3.255E-03	2.582E-02	2.991E-03
W	3.185E-03	1.439E-03	8.563E-04	5.939E-04	2.755E-02	4.853E-02	4.386E-02	6.771E-03	6.408E-03	1.560E-02	5.787E-03	5.535E-03
WNW	7.061E-03	3.716E-03	2.403E-03	1.758E-03	1.429E-02	1.262E-01	2.197E-02	2.036E-02	1.926E-02	1.826E-02	1.741E-02	2.877E-01
NW	1.005E-02	4.953E-03	3.091E-03	2.198E-03	1.001E-01	1.656E-01	1.472E-01	1.351E-01	2.109E-02	1.985E-02	1.882E-02	1.792E-02
NNW	7.647E-03	3.185E-03	1.799E-03	1.192E-03	4.834E-02	7.167E-02	6.142E-02	7.502E-02	6.987E-02	6.570E-02	6.216E-02	5.908E-02

TOTAL DOSE COMMITMENT IS 5.087E+00 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS GROUND EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	4.746E-06	2.110E-06	1.190E-06	7.973E-07	3.612E-05	4.834E-05	3.123E-05	3.062E-05	2.492E-05	2.170E-05	1.967E-05	1.825E-05
NNE	2.307E-05	1.053E-05	6.082E-06	3.989E-06	1.905E-04	2.600E-04	1.626E-04	1.471E-04	1.085E-04	8.548E-05	7.233E-05	6.313E-05
NE	3.607E-05	1.251E-05	6.360E-06	3.864E-06	2.029E-05	4.976E-05	7.323E-05	5.933E-05	8.283E-05	4.109E-05	6.427E-05	1.941E-04
ENE	1.521E-05	3.972E-06	1.709E-06	9.252E-07	3.121E-05	3.376E-05	2.262E-05	1.772E-05	1.537E-05	1.408E-05	1.327E-05	1.131E-05
E	7.536E-06	2.352E-06	1.163E-06	7.013E-07	2.929E-05	1.181E-04	2.575E-05	2.019E-05	1.754E-05	1.611E-05	7.619E-06	7.330E-06
ESE	8.775E-06	2.856E-06	1.432E-06	8.702E-07	3.625E-05	1.326E-04	5.301E-05	8.372E-06	1.612E-05	6.584E-06	7.350E-06	6.246E-06
SE	7.056E-06	2.847E-06	1.550E-06	9.785E-07	4.455E-05	5.993E-05	1.321E-05	9.928E-06	8.201E-06	3.626E-06	3.329E-06	3.129E-06
SSE	3.609E-06	1.217E-06	6.023E-07	3.597E-07	4.650E-06	5.543E-06	3.774E-06	1.568E-06	1.430E-06	1.349E-06	1.297E-06	1.260E-06
S	2.615E-06	1.281E-06	7.609E-07	5.272E-07	3.350E-05	1.963E-05	1.094E-05	7.305E-06	2.262E-06	1.918E-06	3.835E-06	2.882E-05
SSW	3.377E-07	1.636E-07	9.900E-08	6.957E-08	1.045E-06	1.565E-06	1.240E-06	1.121E-06	1.069E-06	2.197E-06	5.188E-07	2.585E-06
SW	1.683E-07	8.457E-08	5.330E-08	3.841E-08	5.956E-07	1.043E-06	1.634E-06	9.772E-07	4.913E-07	4.958E-07	5.019E-07	5.089E-07
WSW	3.168E-07	1.218E-07	6.589E-08	4.300E-08	1.796E-06	3.099E-06	3.074E-06	5.147E-07	5.246E-07	5.328E-07	4.491E-06	5.518E-07
W	9.811E-07	4.139E-07	2.317E-07	1.586E-07	7.225E-06	1.122E-05	8.966E-06	1.312E-06	1.232E-06	3.051E-06	1.165E-06	1.155E-06
WNW	1.820E-06	8.664E-07	5.208E-07	3.708E-07	2.936E-06	2.360E-05	3.828E-06	3.489E-06	3.344E-06	3.255E-06	3.207E-06	5.489E-05
NW	2.378E-06	1.074E-06	6.291E-07	4.364E-07	1.974E-05	3.056E-05	2.562E-05	2.322E-05	3.677E-06	3.566E-06	3.508E-06	3.477E-06
NNW	2.307E-06	9.445E-07	5.168E-07	3.404E-07	1.452E-05	1.999E-05	1.488E-05	1.677E-05	1.521E-05	1.436E-05	1.387E-05	1.356E-05

TOTAL DOSE COMMITMENT IS 3.448E-03 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS CLOUD EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	1.047E-05	8.079E-06	6.237E-06	4.905E-06	2.436E-04	4.046E-04	3.624E-04	4.531E-04	4.285E-04	4.073E-04	3.886E-04	3.719E-04
NNE	6.874E-06	5.360E-06	4.181E-06	3.299E-06	1.714E-04	3.107E-04	3.018E-04	3.954E-04	3.861E-04	3.727E-04	3.652E-04	3.549E-04
NE	5.456E-06	4.671E-06	3.845E-06	3.147E-06	2.174E-05	8.387E-05	2.009E-04	2.358E-04	4.298E-04	2.569E-04	4.581E-04	1.522E-03
ENE	6.577E-06	6.064E-06	5.204E-06	4.374E-06	2.507E-04	4.817E-04	4.661E-04	4.487E-04	4.324E-04	4.167E-04	4.025E-04	3.465E-04
E	8.420E-06	7.367E-06	6.168E-06	5.112E-06	2.915E-04	1.789E-03	5.624E-04	5.413E-04	5.218E-04	5.033E-04	2.431E-04	2.353E-04
ESE	7.892E-06	7.728E-06	6.836E-06	5.863E-06	3.450E-04	1.959E-03	1.135E-03	2.227E-04	4.818E-04	2.083E-04	2.382E-04	2.038E-04
SE	5.033E-06	5.163E-06	4.707E-06	4.130E-06	2.538E-04	5.406E-04	1.834E-04	1.815E-04	1.772E-04	8.651E-05	8.420E-05	8.198E-05
SSE	3.355E-06	3.230E-06	2.859E-06	2.466E-06	4.842E-05	1.016E-04	1.019E-04	5.018E-05	4.927E-05	4.792E-05	4.659E-05	4.531E-05
S	2.728E-06	2.562E-06	2.229E-06	1.911E-06	1.497E-04	1.243E-04	1.030E-04	9.254E-05	3.513E-05	3.407E-05	7.426E-05	5.894E-04
SSW	2.800E-06	2.362E-06	1.953E-06	1.620E-06	2.907E-05	5.466E-05	5.165E-05	4.975E-05	4.775E-05	9.642E-05	2.216E-05	1.070E-04
SW	3.392E-06	2.876E-06	2.363E-06	1.956E-06	3.497E-05	6.453E-05	9.983E-05	5.710E-05	2.720E-05	2.595E-05	2.485E-05	2.385E-05
WSW	4.338E-06	3.429E-06	2.716E-06	2.203E-06	1.162E-04	2.136E-04	2.007E-04	3.153E-05	3.014E-05	2.876E-05	2.282E-04	2.643E-05
W	8.702E-06	6.624E-06	5.114E-06	4.081E-06	2.203E-04	4.155E-04	3.841E-04	5.965E-05	5.655E-05	1.378E-04	5.111E-05	4.890E-05
WNW	1.803E-05	1.578E-05	1.320E-05	1.111E-05	1.068E-04	1.050E-03	1.908E-04	1.788E-04	1.698E-04	1.611E-04	1.538E-04	2.541E-03
NW	2.541E-05	2.146E-05	1.754E-05	1.444E-05	7.759E-04	1.400E-03	1.283E-03	1.189E-03	1.860E-04	1.753E-04	1.662E-04	1.583E-04
NNW	1.899E-05	1.398E-05	1.051E-05	8.130E-06	3.903E-04	6.172E-04	5.379E-04	6.603E-04	6.162E-04	5.799E-04	5.489E-04	5.218E-04

TOTAL DOSE COMMITMENT IS 4.279E-02 PERSON-REM/YR

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	1.300E-05	9.813E-06	7.909E-06	7.015E-06	3.310E-05	5.714E-05	5.522E-05	5.990E-05	6.707E-05	7.511E-05	8.332E-05	9.137E-05
NNE	6.893E-05	5.258E-05	4.262E-05	3.607E-05	1.651E-04	2.337E-04	1.594E-04	1.235E-04	1.072E-04	1.008E-04	9.954E-05	1.008E-04
NE	1.084E-04	6.260E-05	4.457E-05	3.490E-05	1.407E-04	1.819E-04	1.259E-04	1.022E-04	9.360E-05	9.225E-05	9.441E-05	9.823E-05
ENE	4.488E-05	1.926E-05	1.153E-05	8.095E-06	2.806E-05	4.575E-05	5.296E-05	6.438E-05	7.719E-05	9.022E-05	1.031E-04	1.155E-04
E	2.115E-05	1.086E-05	7.559E-06	5.999E-06	2.694E-05	5.303E-05	6.265E-05	7.706E-05	9.307E-05	1.094E-04	1.254E-04	1.411E-04
ESE	2.503E-05	1.334E-05	9.369E-06	7.455E-06	3.311E-05	6.422E-05	7.599E-05	9.340E-05	1.129E-04	1.329E-04	1.528E-04	1.721E-04
SE	2.043E-05	1.365E-05	1.041E-05	8.546E-06	3.953E-05	6.837E-05	6.995E-05	7.969E-05	9.291E-05	1.074E-04	1.223E-04	1.371E-04
SSE	1.039E-05	5.727E-06	3.954E-06	3.081E-06	1.292E-05	2.402E-05	3.003E-05	3.854E-05	4.756E-05	5.654E-05	6.533E-05	7.384E-05
S	7.549E-06	6.190E-06	5.185E-06	4.686E-06	2.233E-05	3.853E-05	3.658E-05	3.913E-05	4.384E-05	4.950E-05	5.556E-05	6.172E-05
SSW	6.820E-07	5.910E-07	5.502E-07	5.618E-07	3.482E-06	1.040E-05	1.558E-05	2.099E-05	2.630E-05	3.143E-05	3.638E-05	4.113E-05
SW	1.329E-07	1.647E-07	2.160E-07	2.831E-07	2.574E-06	1.065E-05	1.779E-05	2.450E-05	3.087E-05	3.693E-05	4.272E-05	4.825E-05
WSW	4.821E-07	3.027E-07	2.813E-07	3.175E-07	2.673E-06	1.148E-05	1.953E-05	2.701E-05	3.411E-05	4.086E-05	4.731E-05	5.348E-05
W	1.972E-06	1.457E-06	1.268E-06	1.286E-06	8.203E-06	2.580E-05	3.810E-05	5.008E-05	6.167E-05	7.280E-05	8.344E-05	9.360E-05
WNW	3.298E-06	2.698E-06	2.553E-06	2.759E-06	1.919E-05	6.502E-05	9.927E-05	1.317E-04	1.626E-04	1.918E-04	2.196E-04	2.459E-04
NW	4.030E-06	3.183E-06	3.012E-06	3.253E-06	2.307E-05	7.777E-05	1.183E-04	1.559E-04	1.913E-04	2.246E-04	2.561E-04	2.858E-04
NNW	4.555E-06	3.316E-06	2.815E-06	2.722E-06	1.583E-05	4.183E-05	5.707E-05	7.304E-05	8.849E-05	1.032E-04	1.173E-04	1.305E-04

TOTAL DOSE COMMITMENT IS 1.104E-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.

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS VEG. ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	1.595E-04	1.203E-04	9.683E-05	8.574E-05	4.027E-04	6.865E-04	6.540E-04	7.029E-04	7.832E-04	8.746E-04	9.685E-04	1.061E-03
NNE	8.461E-04	6.453E-04	5.230E-04	4.425E-04	2.025E-03	2.858E-03	1.940E-03	1.493E-03	1.286E-03	1.202E-03	1.181E-03	1.191E-03
NE	1.331E-03	7.684E-04	5.469E-04	4.282E-04	1.725E-03	2.222E-03	1.528E-03	1.229E-03	1.117E-03	1.094E-03	1.114E-03	1.155E-03
ENE	5.509E-04	2.363E-04	1.414E-04	9.907E-05	3.410E-04	5.450E-04	6.215E-04	7.505E-04	8.969E-04	1.047E-03	1.194E-03	1.338E-03
E	2.596E-04	1.332E-04	9.256E-05	7.329E-05	3.267E-04	6.311E-04	7.345E-04	8.976E-04	1.081E-03	1.268E-03	1.453E-03	1.633E-03
ESE	3.072E-04	1.637E-04	1.148E-04	9.111E-05	4.017E-04	7.649E-04	8.915E-04	1.088E-03	1.311E-03	1.541E-03	1.770E-03	1.993E-03
SE	2.508E-04	1.674E-04	1.276E-04	1.046E-04	4.818E-04	8.221E-04	8.277E-04	9.340E-04	1.083E-03	1.249E-03	1.420E-03	1.591E-03
SSE	1.275E-04	7.025E-05	4.842E-05	3.765E-05	1.565E-04	2.850E-04	3.511E-04	4.483E-04	5.518E-04	6.552E-04	7.565E-04	8.547E-04
S	9.265E-05	7.594E-05	6.355E-05	5.738E-05	2.725E-04	4.651E-04	4.350E-04	4.606E-04	5.127E-04	5.769E-04	6.461E-04	7.166E-04
SSW	8.356E-06	7.209E-06	6.671E-06	6.770E-06	4.140E-05	1.216E-04	1.809E-04	2.431E-04	3.044E-04	3.636E-04	4.207E-04	4.756E-04
SW	1.611E-06	1.965E-06	2.547E-06	3.317E-06	2.993E-05	1.233E-04	2.057E-04	2.832E-04	3.568E-04	4.268E-04	4.937E-04	5.576E-04
WSW	5.890E-06	3.645E-06	3.331E-06	3.717E-06	3.098E-05	1.327E-04	2.257E-04	3.122E-04	3.941E-04	4.722E-04	5.467E-04	6.180E-04
W	2.416E-05	1.775E-05	1.534E-05	1.545E-05	9.727E-05	3.013E-04	4.422E-04	5.800E-04	7.137E-04	8.420E-04	9.648E-04	1.082E-03
WNW	4.036E-05	3.280E-05	3.076E-05	3.299E-05	2.263E-04	7.571E-04	1.151E-03	1.525E-03	1.880E-03	2.218E-03	2.538E-03	2.843E-03
NW	4.931E-05	3.865E-05	3.621E-05	3.880E-05	2.715E-04	9.050E-04	1.371E-03	1.805E-03	2.213E-03	2.597E-03	2.960E-03	3.304E-03
NNW	5.580E-05	4.044E-05	3.411E-05	3.279E-05	1.884E-04	4.902E-04	6.636E-04	8.468E-04	1.025E-03	1.195E-03	1.356E-03	1.510E-03

TOTAL DOSE COMMITMENT IS 1.299E-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 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	1.912E-06	1.447E-06	1.170E-06	1.042E-06	4.974E-06	8.845E-06	8.832E-06	9.771E-06	1.106E-05	1.246E-05	1.387E-05	1.525E-05
NNE	1.013E-05	7.730E-06	6.269E-06	5.308E-06	2.434E-05	3.465E-05	2.395E-05	1.887E-05	1.665E-05	1.589E-05	1.586E-05	1.621E-05
NE	1.593E-05	9.203E-06	6.554E-06	5.136E-06	2.075E-05	2.706E-05	1.906E-05	1.578E-05	1.472E-05	1.472E-05	1.522E-05	1.596E-05
ENE	6.597E-06	2.833E-06	1.701E-06	1.199E-06	4.228E-06	7.218E-06	8.638E-06	1.065E-05	1.286E-05	1.508E-05	1.726E-05	1.938E-05
E	3.109E-06	1.599E-06	1.118E-06	8.921E-07	4.081E-06	8.386E-06	1.024E-05	1.277E-05	1.552E-05	1.830E-05	2.103E-05	2.367E-05
ESE	3.679E-06	1.964E-06	1.384E-06	1.108E-06	5.007E-06	1.014E-05	1.240E-05	1.547E-05	1.883E-05	2.224E-05	2.561E-05	2.889E-05
SE	3.003E-06	2.008E-06	1.535E-06	1.264E-06	5.912E-06	1.056E-05	1.121E-05	1.304E-05	1.537E-05	1.787E-05	2.042E-05	2.294E-05
SSE	1.528E-06	8.433E-07	5.843E-07	4.581E-07	1.959E-06	3.827E-06	4.938E-06	6.410E-06	7.947E-06	9.472E-06	1.096E-05	1.240E-05
S	1.110E-06	9.112E-07	7.647E-07	6.930E-07	3.331E-06	5.901E-06	5.793E-06	6.344E-06	7.203E-06	8.197E-06	9.244E-06	1.030E-05
SSW	1.007E-07	8.819E-08	8.333E-08	8.633E-08	5.519E-07	1.711E-06	2.601E-06	3.519E-06	4.418E-06	5.286E-06	6.121E-06	6.923E-06
SW	2.016E-08	2.593E-08	3.487E-08	4.634E-08	4.283E-07	1.789E-06	2.995E-06	4.127E-06	5.201E-06	6.223E-06	7.198E-06	8.130E-06
WSW	7.167E-08	4.657E-08	4.499E-08	5.206E-08	4.479E-07	1.934E-06	3.291E-06	4.552E-06	5.748E-06	6.886E-06	7.974E-06	9.013E-06
W	2.916E-07	2.182E-07	1.933E-07	1.990E-07	1.308E-06	4.251E-06	6.362E-06	8.401E-06	1.037E-05	1.224E-05	1.404E-05	1.576E-05
WNW	4.881E-07	4.061E-07	3.926E-07	4.319E-07	3.096E-06	1.078E-05	1.662E-05	2.212E-05	2.734E-05	3.227E-05	3.696E-05	4.142E-05
NW	5.969E-07	4.804E-07	4.654E-07	5.122E-07	3.739E-06	1.292E-05	1.983E-05	2.620E-05	3.218E-05	3.781E-05	4.312E-05	4.814E-05
NNW	6.727E-07	4.952E-07	4.269E-07	4.188E-07	2.504E-06	6.844E-06	9.495E-06	1.223E-05	1.485E-05	1.735E-05	1.972E-05	2.196E-05

TOTAL DOSE COMMITMENT IS 1.795E-03 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 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS MEAT ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	2.362E-05	1.785E-05	1.441E-05	1.281E-05	6.079E-05	1.065E-04	1.047E-04	1.147E-04	1.291E-04	1.451E-04	1.612E-04	1.770E-04
NNE	1.252E-04	9.552E-05	7.745E-05	6.556E-05	3.004E-04	4.263E-04	2.927E-04	2.287E-04	2.002E-04	1.896E-04	1.883E-04	1.916E-04
NE	1.969E-04	1.137E-04	8.098E-05	6.344E-05	2.560E-04	3.324E-04	2.321E-04	1.903E-04	1.759E-04	1.746E-04	1.796E-04	1.877E-04
ENE	8.152E-05	3.500E-05	2.099E-05	1.476E-05	5.160E-05	8.610E-05	1.014E-04	1.242E-04	1.494E-04	1.749E-04	2.001E-04	2.244E-04
E	3.842E-05	1.975E-05	1.377E-05	1.096E-05	4.968E-05	9.993E-05	1.201E-04	1.488E-04	1.803E-04	2.122E-04	2.436E-04	2.741E-04
ESE	4.547E-05	2.426E-05	1.706E-05	1.361E-05	6.099E-05	1.209E-04	1.455E-04	1.803E-04	2.187E-04	2.579E-04	2.967E-04	3.345E-04
SE	3.712E-05	2.480E-05	1.894E-05	1.557E-05	7.242E-05	1.273E-04	1.327E-04	1.528E-04	1.792E-04	2.078E-04	2.370E-04	2.660E-04
SSE	1.888E-05	1.041E-05	7.202E-06	5.629E-06	2.383E-05	4.544E-05	5.773E-05	7.454E-05	9.220E-05	1.098E-04	1.269E-04	1.435E-04
S	1.371E-05	1.125E-05	9.434E-06	8.538E-06	4.086E-05	7.144E-05	6.897E-05	7.468E-05	8.425E-05	9.552E-05	1.075E-04	1.196E-04
SSW	1.242E-06	1.082E-06	1.014E-06	1.043E-06	6.569E-06	2.000E-05	3.019E-05	4.076E-05	5.113E-05	6.115E-05	7.079E-05	8.005E-05
SW	2.453E-07	3.096E-07	4.113E-07	5.430E-07	4.980E-06	2.071E-05	3.463E-05	4.770E-05	6.011E-05	7.191E-05	8.319E-05	9.395E-05
WSW	8.806E-07	5.625E-07	5.331E-07	6.095E-07	5.190E-06	2.235E-05	3.803E-05	5.261E-05	6.642E-05	7.958E-05	9.214E-05	1.042E-04
W	3.593E-06	2.671E-06	2.345E-06	2.397E-06	1.553E-05	4.966E-05	7.384E-05	9.729E-05	1.199E-04	1.416E-04	1.624E-04	1.822E-04
WNW	6.011E-06	4.959E-06	4.743E-06	5.172E-06	3.653E-05	1.256E-04	1.927E-04	2.561E-04	3.162E-04	3.732E-04	4.273E-04	4.788E-04
NW	7.348E-06	5.858E-06	5.609E-06	6.117E-06	4.402E-05	1.503E-04	2.297E-04	3.032E-04	3.722E-04	4.371E-04	4.985E-04	5.564E-04
NNW	8.293E-06	6.071E-06	5.193E-06	5.058E-06	2.983E-05	8.022E-05	1.104E-04	1.417E-04	1.719E-04	2.007E-04	2.281E-04	2.540E-04

TOTAL DOSE COMMITMENT IS 2.110E-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.

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS EFFECTIV

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	2.750E-07	2.063E-07	1.646E-07	1.443E-07	6.577E-07	1.030E-06	8.808E-07	8.776E-07	9.351E-07	1.017E-06	1.108E-06	1.200E-06
NNE	1.461E-06	1.114E-06	9.019E-07	7.620E-07	3.473E-06	4.828E-06	3.172E-06	2.332E-06	1.912E-06	1.706E-06	1.611E-06	1.575E-06
NE	2.299E-06	1.327E-06	9.434E-07	7.375E-07	2.955E-06	3.727E-06	2.448E-06	1.857E-06	1.593E-06	1.487E-06	1.458E-06	1.467E-06
ENE	9.514E-07	4.073E-07	2.423E-07	1.680E-07	5.531E-07	7.696E-07	7.763E-07	8.817E-07	1.023E-06	1.175E-06	1.328E-06	1.478E-06
E	4.481E-07	2.289E-07	1.576E-07	1.230E-07	5.223E-07	8.842E-07	9.099E-07	1.047E-06	1.226E-06	1.417E-06	1.609E-06	1.798E-06
ESE	5.304E-07	2.815E-07	1.957E-07	1.532E-07	6.448E-07	1.078E-06	1.110E-06	1.273E-06	1.488E-06	1.722E-06	1.959E-06	2.194E-06
SE	4.330E-07	2.884E-07	2.187E-07	1.778E-07	7.968E-07	1.241E-06	1.107E-06	1.152E-06	1.277E-06	1.435E-06	1.606E-06	1.780E-06
SSE	2.202E-07	1.208E-07	8.252E-08	6.322E-08	2.492E-07	3.892E-07	4.244E-07	5.154E-07	6.204E-07	7.280E-07	8.344E-07	9.380E-07
S	1.599E-07	1.307E-07	1.089E-07	9.765E-08	4.537E-07	7.209E-07	6.064E-07	5.898E-07	6.213E-07	6.759E-07	7.414E-07	8.112E-07
SSW	1.427E-08	1.199E-08	1.066E-08	1.038E-08	5.756E-08	1.469E-07	2.044E-07	2.687E-07	3.334E-07	3.965E-07	4.576E-07	5.163E-07
SW	2.566E-09	2.797E-09	3.312E-09	4.084E-09	3.433E-08	1.354E-07	2.233E-07	3.065E-07	3.856E-07	4.610E-07	5.331E-07	6.019E-07
WSW	9.888E-09	5.570E-09	4.484E-09	4.544E-09	3.437E-08	1.434E-07	2.435E-07	3.368E-07	4.252E-07	5.093E-07	5.897E-07	6.666E-07
W	4.115E-08	2.924E-08	2.409E-08	2.321E-08	1.323E-07	3.607E-07	4.985E-07	6.401E-07	7.806E-07	9.169E-07	1.048E-06	1.174E-06
WNW	6.853E-08	5.334E-08	4.708E-08	4.784E-08	2.951E-07	8.813E-07	1.281E-06	1.672E-06	2.050E-06	2.410E-06	2.753E-06	3.080E-06
NW	8.358E-08	6.237E-08	5.463E-08	5.518E-08	3.479E-07	1.046E-06	1.522E-06	1.976E-06	2.408E-06	2.819E-06	3.208E-06	3.577E-06
NNW	9.529E-08	6.714E-08	5.436E-08	5.012E-08	2.640E-07	6.048E-07	7.616E-07	9.445E-07	1.129E-06	1.308E-06	1.479E-06	1.643E-06

TOTAL DOSE COMMITMENT IS 1.648E-04 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 1, DURATION IN YRS IS... 5.0

EXPOSURE PATHWAY IS MILK ING EXPOSED ORGAN IS BONE

DOSES SHOWN BELOW ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER 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	4.146E-06	3.105E-06	2.469E-06	2.154E-06	9.700E-06	1.463E-05	1.183E-05	1.126E-05	1.166E-05	1.245E-05	1.339E-05	1.438E-05
NNE	2.205E-05	1.680E-05	1.360E-05	1.148E-05	5.224E-05	7.222E-05	4.680E-05	3.373E-05	2.702E-05	2.356E-05	2.179E-05	2.093E-05
NE	3.468E-05	2.001E-05	1.422E-05	1.111E-05	4.443E-05	5.557E-05	3.580E-05	2.646E-05	2.207E-05	2.006E-05	1.925E-05	1.904E-05
ENE	1.435E-05	6.139E-06	3.644E-06	2.516E-06	8.134E-06	1.060E-05	9.968E-06	1.087E-05	1.234E-05	1.401E-05	1.571E-05	1.740E-05
E	6.760E-06	3.447E-06	2.364E-06	1.834E-06	7.634E-06	1.213E-05	1.162E-05	1.285E-05	1.473E-05	1.683E-05	1.899E-05	2.113E-05
ESE	8.000E-06	4.240E-06	2.938E-06	2.288E-06	9.440E-06	1.484E-05	1.423E-05	1.564E-05	1.789E-05	2.046E-05	2.312E-05	2.577E-05
SE	6.532E-06	4.346E-06	3.289E-06	2.665E-06	1.181E-05	1.767E-05	1.481E-05	1.468E-05	1.578E-05	1.740E-05	1.925E-05	2.117E-05
SSE	3.321E-06	1.819E-06	1.238E-06	9.432E-07	3.636E-06	5.267E-06	5.334E-06	6.257E-06	7.407E-06	8.612E-06	9.815E-06	1.099E-05
S	2.412E-06	1.970E-06	1.637E-06	1.465E-06	6.745E-06	1.039E-05	8.297E-06	7.689E-06	7.822E-06	8.316E-06	8.986E-06	9.733E-06
SSW	2.143E-07	1.782E-07	1.558E-07	1.490E-07	7.864E-07	1.846E-06	2.449E-06	3.167E-06	3.902E-06	4.623E-06	5.323E-06	5.997E-06
SW	3.745E-08	3.869E-08	4.359E-08	5.196E-08	4.160E-07	1.587E-06	2.594E-06	3.551E-06	4.464E-06	5.334E-06	6.165E-06	6.959E-06
WSW	1.475E-07	7.976E-08	6.020E-08	5.754E-08	4.062E-07	1.659E-06	2.816E-06	3.893E-06	4.914E-06	5.886E-06	6.815E-06	7.703E-06
W	6.175E-07	4.329E-07	3.494E-07	3.298E-07	1.787E-06	4.504E-06	5.963E-06	7.534E-06	9.123E-06	1.068E-05	1.218E-05	1.362E-05
WNW	1.027E-06	7.853E-07	6.749E-07	6.681E-07	3.890E-06	1.079E-05	1.517E-05	1.958E-05	2.389E-05	2.801E-05	3.196E-05	3.572E-05
NW	1.252E-06	9.151E-07	7.778E-07	7.631E-07	4.538E-06	1.274E-05	1.799E-05	2.311E-05	2.804E-05	3.274E-05	3.721E-05	4.145E-05
NNW	1.431E-06	9.970E-07	7.932E-07	7.180E-07	3.622E-06	7.704E-06	9.231E-06	1.121E-05	1.326E-05	1.529E-05	1.725E-05	1.912E-05

TOTAL DOSE COMMITMENT IS 2.136E-03 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 1, DURATION IN YRS IS... 5.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 1--DOSES SHOWN ARE ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR

DOSES RECEIVED BY PEOPLE WITHIN 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.277E-02	1.835E-01	4.003E-02	8.296E-02	4.100E-02	5.087E+00
GROUND	3.448E-03	3.448E-03	3.448E-03	3.448E-03	3.448E-03	3.448E-03
CLOUD	4.279E-02	4.279E-02	4.279E-02	4.279E-02	4.279E-02	4.279E-02
VEG. ING	1.104E-02	1.299E-01	1.104E-02	3.531E-02	2.984E-02	1.104E-02
MEAT ING	1.795E-03	2.110E-02	1.795E-03	5.922E-03	4.907E-03	1.795E-03
MILK ING	1.648E-04	2.136E-03	1.648E-04	4.440E-04	4.266E-04	1.648E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	8.201E-02	3.829E-01	9.928E-02	1.709E-01	1.224E-01	5.147E+00

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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	4.006E-01	5.374E+00	8.794E-02	4.006E-01	4.006E-01	2.540E+00
TOTALS	4.006E-01	5.374E+00	8.794E-02	4.006E-01	4.006E-01	2.540E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.277E-02	1.835E-01	4.003E-02	8.296E-02	4.100E-02	5.087E+00
GROUND	3.448E-03	3.448E-03	3.448E-03	3.448E-03	3.448E-03	3.448E-03
CLOUD	4.279E-02	4.279E-02	4.279E-02	4.279E-02	4.279E-02	4.279E-02
VEG. ING	1.104E-02	1.299E-01	1.104E-02	3.531E-02	2.984E-02	1.104E-02
MEAT ING	1.795E-03	2.110E-02	1.795E-03	5.922E-03	4.907E-03	1.795E-03
MILK ING	1.648E-04	2.136E-03	1.648E-04	4.440E-04	4.266E-04	1.648E-04
RNPLUS50	4.006E-01	5.374E+00	8.794E-02	4.006E-01	4.006E-01	2.540E+00
TOTALS	4.826E-01	5.757E+00	1.872E-01	5.715E-01	5.230E-01	7.687E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 1 NAME=Naturita X= 17.3KM, Y= -4.5KM, Z= -45.0M, DIST= 17.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.06E-03	3.00E-03	4.53E-03	1.05E-03	8.37E-04	5.17E-06
CHILD	TOTALS	6.32E-04	4.11E-03	2.54E-03	8.33E-04	6.79E-04	5.17E-06
TEENAGE	TOTALS	5.61E-04	5.82E-03	1.80E-03	8.96E-04	8.13E-04	5.17E-06
ADULT	TOTALS	6.40E-04	6.93E-03	1.92E-03	1.16E-03	1.06E-03	5.17E-06

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.43E-02	6.12E-03	6.39E-03	1.00E-02	5.37E-03	1.87E-01
CHILD	TOTALS	1.38E-02	8.16E-03	4.70E-03	6.15E-03	4.03E-03	1.87E-01
TEENAGE	TOTALS	1.38E-02	1.22E-02	4.17E-03	4.62E-03	3.70E-03	1.87E-01
ADULT	TOTALS	1.39E-02	1.32E-02	4.56E-03	4.92E-03	4.06E-03	1.87E-01

NUMBER 2 NAME=Herron Residence X= -5.1KM, Y= -4.7KM, Z= -45.0M, DIST= 6.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.53E-05	1.38E-04	1.79E-04	5.08E-05	4.05E-05	3.26E-07
CHILD	TOTALS	3.02E-05	2.23E-04	1.10E-04	4.68E-05	3.89E-05	3.26E-07
TEENAGE	TOTALS	2.96E-05	3.25E-04	8.81E-05	5.39E-05	4.92E-05	3.26E-07
ADULT	TOTALS	3.53E-05	3.99E-04	1.00E-04	7.12E-05	6.53E-05	3.26E-07

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.01E-02	1.71E-03	1.42E-03	3.15E-03	1.99E-03	1.47E-01
CHILD	TOTALS	1.01E-02	2.04E-03	1.43E-03	2.20E-03	1.68E-03	1.47E-01
TEENAGE	TOTALS	1.01E-02	2.76E-03	1.47E-03	1.79E-03	1.56E-03	1.47E-01
ADULT	TOTALS	1.01E-02	2.79E-03	1.55E-03	1.81E-03	1.61E-03	1.47E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 3 NAME=Boren Residence X= -7.6KM, Y= 6.1KM, Z= -45.0M, DIST= 9.7KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.42E-04	2.24E-03	2.96E-03	8.24E-04	6.57E-04	5.19E-06
CHILD	TOTALS	4.90E-04	3.58E-03	1.81E-03	7.50E-04	6.22E-04	5.19E-06
TEENAGE	TOTALS	4.76E-04	5.21E-03	1.43E-03	8.60E-04	7.85E-04	5.19E-06
ADULT	TOTALS	5.66E-04	6.38E-03	1.61E-03	1.13E-03	1.04E-03	5.19E-06

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.01E-02	1.07E-02	9.07E-03	2.00E-02	1.17E-02	7.16E-01
CHILD	TOTALS	4.96E-02	1.37E-02	8.49E-03	1.32E-02	9.49E-03	7.16E-01
TEENAGE	TOTALS	4.97E-02	1.97E-02	8.49E-03	1.04E-02	8.80E-03	7.16E-01
ADULT	TOTALS	4.99E-02	2.06E-02	9.16E-03	1.07E-02	9.25E-03	7.16E-01

NUMBER 4 NAME=Kinder Residence X= -7.6KM, Y= 6.1KM, Z= -45.0M, DIST= 9.8KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.42E-04	2.24E-03	2.96E-03	8.22E-04	6.55E-04	5.17E-06
CHILD	TOTALS	4.89E-04	3.57E-03	1.81E-03	7.47E-04	6.20E-04	5.17E-06
TEENAGE	TOTALS	4.75E-04	5.19E-03	1.43E-03	8.57E-04	7.82E-04	5.17E-06
ADULT	TOTALS	5.64E-04	6.36E-03	1.61E-03	1.13E-03	1.04E-03	5.17E-06

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.99E-02	1.06E-02	9.05E-03	1.99E-02	1.17E-02	7.14E-01
CHILD	TOTALS	4.94E-02	1.37E-02	8.46E-03	1.32E-02	9.46E-03	7.14E-01
TEENAGE	TOTALS	4.96E-02	1.96E-02	8.47E-03	1.04E-02	8.77E-03	7.14E-01
ADULT	TOTALS	4.97E-02	2.05E-02	9.13E-03	1.07E-02	9.23E-03	7.14E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 5 NAME=Davis/Fehlman Reside X= 5.3KM, Y= -2.7KM, Z= 32.0M, DIST= 5.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.72E-03	1.06E-02	1.58E-02	3.71E-03	2.97E-03	1.89E-05
CHILD	TOTALS	2.24E-03	1.48E-02	8.92E-03	3.01E-03	2.46E-03	1.89E-05
TEENAGE	TOTALS	2.01E-03	2.10E-02	6.41E-03	3.26E-03	2.96E-03	1.89E-05
ADULT	TOTALS	2.31E-03	2.51E-02	6.88E-03	4.23E-03	3.86E-03	1.89E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.10E-02	1.69E-02	2.12E-02	1.42E-02	1.03E-02	6.99E-01
CHILD	TOTALS	4.94E-02	2.18E-02	1.45E-02	1.09E-02	8.95E-03	6.99E-01
TEENAGE	TOTALS	4.92E-02	2.97E-02	1.22E-02	1.00E-02	9.12E-03	6.99E-01
ADULT	TOTALS	4.95E-02	3.37E-02	1.28E-02	1.10E-02	1.01E-02	6.99E-01

NUMBER 6 NAME=Hurdle Residence X= 6.4KM, Y= 3.2KM, Z= 56.0M, DIST= 7.1KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.69E-03	1.33E-02	1.99E-02	4.66E-03	3.73E-03	2.35E-05
CHILD	TOTALS	2.81E-03	1.85E-02	1.12E-02	3.75E-03	3.06E-03	2.35E-05
TEENAGE	TOTALS	2.51E-03	2.62E-02	8.04E-03	4.05E-03	3.68E-03	2.35E-05
ADULT	TOTALS	2.88E-03	3.12E-02	8.60E-03	5.25E-03	4.79E-03	2.35E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.24E-02	1.77E-02	2.36E-02	1.25E-02	8.96E-03	4.01E-01
CHILD	TOTALS	3.05E-02	2.34E-02	1.51E-02	9.44E-03	7.60E-03	4.01E-01
TEENAGE	TOTALS	3.02E-02	3.25E-02	1.20E-02	8.82E-03	7.95E-03	4.01E-01
ADULT	TOTALS	3.06E-02	3.75E-02	1.27E-02	1.00E-02	9.13E-03	4.01E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 7 NAME=Hogan Structures X= -3.7KM, Y= -1.0KM, Z= 100.0M, DIST= 3.8KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.05E-04	8.81E-04	1.28E-03	3.12E-04	2.49E-04	1.67E-06
CHILD	TOTALS	1.87E-04	1.27E-03	7.34E-04	2.59E-04	2.13E-04	1.67E-06
TEENAGE	TOTALS	1.71E-04	1.81E-03	5.39E-04	2.85E-04	2.59E-04	1.67E-06
ADULT	TOTALS	1.98E-04	2.17E-03	5.84E-04	3.71E-04	3.39E-04	1.67E-06

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.53E-02	4.79E-03	4.78E-03	6.12E-03	4.62E-03	5.26E-01
CHILD	TOTALS	3.51E-02	5.48E-03	4.33E-03	4.88E-03	4.20E-03	5.26E-01
TEENAGE	TOTALS	3.51E-02	6.79E-03	4.20E-03	4.39E-03	4.09E-03	5.26E-01
ADULT	TOTALS	3.52E-02	7.10E-03	4.33E-03	4.49E-03	4.21E-03	5.26E-01

NUMBER 8 NAME=Bed Rock X= 10.9KM, Y= 7.3KM, Z= -45.0M, DIST= 13.1KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.74E-03	1.43E-02	1.90E-02	5.23E-03	4.17E-03	3.26E-05
CHILD	TOTALS	3.11E-03	2.26E-02	1.15E-02	4.73E-03	3.92E-03	3.26E-05
TEENAGE	TOTALS	3.01E-03	3.29E-02	9.07E-03	5.41E-03	4.94E-03	3.26E-05
ADULT	TOTALS	3.57E-03	4.03E-02	1.02E-02	7.13E-03	6.53E-03	3.26E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.73E-02	1.73E-02	2.13E-02	1.16E-02	8.02E-03	1.70E-01
CHILD	TOTALS	1.56E-02	2.62E-02	1.40E-02	9.03E-03	7.10E-03	1.70E-01
TEENAGE	TOTALS	1.56E-02	3.78E-02	1.17E-02	8.80E-03	7.85E-03	1.70E-01
ADULT	TOTALS	1.61E-02	4.51E-02	1.30E-02	1.05E-02	9.51E-03	1.70E-01

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 9 NAME=Receptor 1 X= 0.0KM, Y= -0.3KM, Z= -1.0M, DIST= 0.3KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.01E-02	3.08E-02	3.99E-02	1.14E-02	9.08E-03	7.37E-05
CHILD	TOTALS	6.77E-03	5.01E-02	2.47E-02	1.05E-02	8.76E-03	7.37E-05
TEENAGE	TOTALS	6.64E-03	7.31E-02	1.98E-02	1.22E-02	1.11E-02	7.37E-05
ADULT	TOTALS	7.93E-03	8.99E-02	2.25E-02	1.61E-02	1.47E-02	7.37E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.11E-01	3.74E-02	4.65E-02	1.80E-02	1.57E-02	1.16E+01
CHILD	TOTALS	7.07E-01	5.67E-02	3.12E-02	1.71E-02	1.53E-02	1.16E+01
TEENAGE	TOTALS	7.07E-01	7.97E-02	2.63E-02	1.87E-02	1.77E-02	1.16E+01
ADULT	TOTALS	7.08E-01	9.65E-02	2.90E-02	2.26E-02	2.13E-02	1.16E+01

NUMBER 10 NAME=Receptor 2 X= 0.0KM, Y= -0.7KM, Z= 17.0M, DIST= 0.7KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.22E-02	6.86E-02	8.59E-02	2.57E-02	2.04E-02	1.73E-04
CHILD	TOTALS	1.52E-02	1.15E-01	5.44E-02	2.43E-02	2.03E-02	1.73E-04
TEENAGE	TOTALS	1.52E-02	1.69E-01	4.46E-02	2.84E-02	2.59E-02	1.73E-04
ADULT	TOTALS	1.83E-02	2.08E-01	5.12E-02	3.76E-02	3.45E-02	1.73E-04

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.42E-01	7.68E-02	9.41E-02	3.41E-02	2.87E-02	3.53E+00
CHILD	TOTALS	2.35E-01	1.23E-01	6.26E-02	3.26E-02	2.85E-02	3.53E+00
TEENAGE	TOTALS	2.35E-01	1.77E-01	5.28E-02	3.67E-02	3.42E-02	3.53E+00
ADULT	TOTALS	2.38E-01	2.17E-01	5.95E-02	4.58E-02	4.27E-02	3.53E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 11 NAME=Receptor 3 X= -0.4KM, Y= -0.7KM, Z= 86.0M, DIST= 0.8KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.73E-03	5.12E-03	7.09E-03	1.85E-03	1.47E-03	1.08E-05
CHILD	TOTALS	1.10E-03	7.78E-03	4.20E-03	1.61E-03	1.33E-03	1.08E-05
TEENAGE	TOTALS	1.04E-03	1.12E-02	3.20E-03	1.82E-03	1.65E-03	1.08E-05
ADULT	TOTALS	1.22E-03	1.36E-02	3.54E-03	2.38E-03	2.18E-03	1.08E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.62E-01	9.22E-03	1.11E-02	6.20E-03	5.63E-03	2.61E+00
CHILD	TOTALS	1.62E-01	1.19E-02	8.25E-03	5.81E-03	5.44E-03	2.61E+00
TEENAGE	TOTALS	1.62E-01	1.55E-02	7.26E-03	5.94E-03	5.74E-03	2.61E+00
ADULT	TOTALS	1.62E-01	1.79E-02	7.62E-03	6.51E-03	6.27E-03	2.61E+00

NUMBER 12 NAME=Receptor 4 X= -0.4KM, Y= -0.3KM, Z= 36.0M, DIST= 0.5KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.59E-03	4.84E-03	6.31E-03	1.78E-03	1.42E-03	1.14E-05
CHILD	TOTALS	1.06E-03	7.81E-03	3.88E-03	1.64E-03	1.36E-03	1.14E-05
TEENAGE	TOTALS	1.04E-03	1.14E-02	3.09E-03	1.89E-03	1.72E-03	1.14E-05
ADULT	TOTALS	1.24E-03	1.40E-02	3.51E-03	2.49E-03	2.28E-03	1.14E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.13E-01	9.91E-03	1.13E-02	7.06E-03	6.54E-03	5.12E+00
CHILD	TOTALS	3.13E-01	1.29E-02	8.92E-03	6.79E-03	6.44E-03	5.12E+00
TEENAGE	TOTALS	3.13E-01	1.66E-02	8.14E-03	6.98E-03	6.79E-03	5.12E+00
ADULT	TOTALS	3.13E-01	1.92E-02	8.56E-03	7.59E-03	7.35E-03	5.12E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 13 NAME=Receptor 5 X= -0.8KM, Y= -0.4KM, Z= 100.0M, DIST= 0.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.94E-03	5.89E-03	7.72E-03	2.17E-03	1.73E-03	1.38E-05
CHILD	TOTALS	1.29E-03	9.49E-03	4.74E-03	1.99E-03	1.65E-03	1.38E-05
TEENAGE	TOTALS	1.26E-03	1.38E-02	3.77E-03	2.29E-03	2.09E-03	1.38E-05
ADULT	TOTALS	1.50E-03	1.70E-02	4.27E-03	3.02E-03	2.77E-03	1.38E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.96E-01	1.16E-02	1.33E-02	8.31E-03	7.54E-03	3.15E+00
CHILD	TOTALS	1.96E-01	1.53E-02	1.04E-02	7.86E-03	7.37E-03	3.15E+00
TEENAGE	TOTALS	1.96E-01	1.98E-02	9.41E-03	8.04E-03	7.78E-03	3.15E+00
ADULT	TOTALS	1.96E-01	2.29E-02	9.93E-03	8.77E-03	8.46E-03	3.15E+00

NUMBER 14 NAME=Receptor 6 X= -0.8KM, Y= 0.0KM, Z= 13.0M, DIST= 0.8KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.95E-03	2.40E-02	3.17E-02	8.81E-03	7.02E-03	5.53E-05
CHILD	TOTALS	5.24E-03	3.82E-02	1.93E-02	8.00E-03	6.64E-03	5.53E-05
TEENAGE	TOTALS	5.08E-03	5.56E-02	1.53E-02	9.17E-03	8.37E-03	5.53E-05
ADULT	TOTALS	6.04E-03	6.81E-02	1.72E-02	1.21E-02	1.11E-02	5.53E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.85E-01	3.69E-02	4.44E-02	2.25E-02	2.01E-02	7.75E+00
CHILD	TOTALS	4.82E-01	5.13E-02	3.21E-02	2.12E-02	1.96E-02	7.75E+00
TEENAGE	TOTALS	4.82E-01	6.90E-02	2.81E-02	2.22E-02	2.12E-02	7.75E+00
ADULT	TOTALS	4.83E-01	8.15E-02	3.00E-02	2.51E-02	2.40E-02	7.75E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 15 NAME=Receptor 7 X= -0.8KM, Y= 0.8KM, Z= -34.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.28E-02	4.45E-02	4.21E-02	1.81E-02	1.43E-02	1.55E-04
CHILD	TOTALS	1.05E-02	9.13E-02	3.26E-02	2.00E-02	1.69E-02	1.55E-04
TEENAGE	TOTALS	1.17E-02	1.38E-01	3.16E-02	2.46E-02	2.26E-02	1.55E-04
ADULT	TOTALS	1.47E-02	1.75E-01	3.91E-02	3.31E-02	3.05E-02	1.55E-04

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.84E-01	6.69E-02	6.40E-02	4.24E-02	3.71E-02	9.17E+00
CHILD	TOTALS	5.81E-01	1.14E-01	5.46E-02	4.30E-02	3.93E-02	9.17E+00
TEENAGE	TOTALS	5.82E-01	1.61E-01	5.37E-02	4.72E-02	4.49E-02	9.17E+00
ADULT	TOTALS	5.85E-01	1.98E-01	6.13E-02	5.57E-02	5.28E-02	9.17E+00

NUMBER 16 NAME=Receptor 8 X= -0.8KM, Y= 1.7KM, Z= -45.0M, DIST= 1.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.51E-03	2.29E-02	2.09E-02	9.41E-03	7.44E-03	8.27E-05
CHILD	TOTALS	5.42E-03	4.80E-02	1.66E-02	1.05E-02	8.94E-03	8.27E-05
TEENAGE	TOTALS	6.14E-03	7.25E-02	1.64E-02	1.31E-02	1.20E-02	8.27E-05
ADULT	TOTALS	7.75E-03	9.24E-02	2.05E-02	1.76E-02	1.62E-02	8.27E-05

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.96E-01	3.52E-02	3.27E-02	2.35E-02	2.01E-02	2.98E+00
CHILD	TOTALS	1.95E-01	6.06E-02	2.85E-02	2.35E-02	2.12E-02	2.98E+00
TEENAGE	TOTALS	1.96E-01	8.58E-02	2.84E-02	2.55E-02	2.42E-02	2.98E+00
ADULT	TOTALS	1.98E-01	1.06E-01	3.26E-02	3.00E-02	2.84E-02	2.98E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 17 NAME=Receptor 9 X= 0.0KM, Y= 1.7KM, Z= -41.0M, DIST= 1.7KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.19E-02	7.72E-02	6.97E-02	3.17E-02	2.51E-02	2.80E-04
CHILD	TOTALS	1.83E-02	1.62E-01	5.58E-02	3.56E-02	3.02E-02	2.80E-04
TEENAGE	TOTALS	2.07E-02	2.45E-01	5.55E-02	4.42E-02	4.06E-02	2.80E-04
ADULT	TOTALS	2.62E-02	3.12E-01	6.91E-02	5.95E-02	5.48E-02	2.80E-04

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.52E-01	9.09E-02	8.32E-02	4.63E-02	3.90E-02	1.96E+00
CHILD	TOTALS	1.48E-01	1.76E-01	6.94E-02	4.96E-02	4.40E-02	1.96E+00
TEENAGE	TOTALS	1.51E-01	2.59E-01	6.90E-02	5.80E-02	5.43E-02	1.96E+00
ADULT	TOTALS	1.56E-01	3.26E-01	8.27E-02	7.33E-02	6.85E-02	1.96E+00

NUMBER 18 NAME=Receptor 10 X= 0.4KM, Y= 1.7KM, Z= -45.0M, DIST= 1.7KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.65E-02	2.03E-01	1.75E-01	8.43E-02	6.66E-02	7.62E-04
CHILD	TOTALS	4.84E-02	4.37E-01	1.45E-01	9.62E-02	8.18E-02	7.62E-04
TEENAGE	TOTALS	5.57E-02	6.62E-01	1.47E-01	1.20E-01	1.10E-01	7.62E-04
ADULT	TOTALS	7.06E-02	8.45E-01	1.85E-01	1.62E-01	1.49E-01	7.62E-04

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.59E-01	2.28E-01	2.00E-01	1.10E-01	9.21E-02	1.32E+00
CHILD	TOTALS	1.51E-01	4.62E-01	1.70E-01	1.22E-01	1.07E-01	1.32E+00
TEENAGE	TOTALS	1.59E-01	6.87E-01	1.73E-01	1.46E-01	1.36E-01	1.32E+00
ADULT	TOTALS	1.74E-01	8.71E-01	2.11E-01	1.87E-01	1.75E-01	1.32E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 19 NAME=Receptor 11 X= 0.6KM, Y= 1.6KM, Z= -45.0M, DIST= 1.7KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	9.84E-02	3.55E-01	3.03E-01	1.48E-01	1.17E-01	1.34E-03
CHILD	TOTALS	8.47E-02	7.67E-01	2.53E-01	1.69E-01	1.44E-01	1.34E-03
TEENAGE	TOTALS	9.77E-02	1.16E+00	2.58E-01	2.11E-01	1.94E-01	1.34E-03
ADULT	TOTALS	1.24E-01	1.48E+00	3.25E-01	2.84E-01	2.62E-01	1.34E-03

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.18E-01	3.96E-01	3.44E-01	1.90E-01	1.58E-01	1.34E+00
CHILD	TOTALS	2.04E-01	8.09E-01	2.94E-01	2.11E-01	1.85E-01	1.34E+00
TEENAGE	TOTALS	2.17E-01	1.20E+00	3.00E-01	2.53E-01	2.35E-01	1.34E+00
ADULT	TOTALS	2.44E-01	1.53E+00	3.66E-01	3.26E-01	3.04E-01	1.34E+00

NUMBER 20 NAME=Receptor 12 X= 0.8KM, Y= 1.5KM, Z= -43.0M, DIST= 1.7KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.20E-01	4.32E-01	3.73E-01	1.79E-01	1.42E-01	1.62E-03
CHILD	TOTALS	1.03E-01	9.28E-01	3.09E-01	2.04E-01	1.74E-01	1.62E-03
TEENAGE	TOTALS	1.18E-01	1.41E+00	3.13E-01	2.55E-01	2.34E-01	1.62E-03
ADULT	TOTALS	1.50E-01	1.79E+00	3.94E-01	3.43E-01	3.16E-01	1.62E-03

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.53E-01	4.82E-01	4.23E-01	2.29E-01	1.91E-01	1.44E+00
CHILD	TOTALS	2.36E-01	9.78E-01	3.58E-01	2.54E-01	2.23E-01	1.44E+00
TEENAGE	TOTALS	2.51E-01	1.45E+00	3.63E-01	3.04E-01	2.84E-01	1.44E+00
ADULT	TOTALS	2.83E-01	1.84E+00	4.43E-01	3.93E-01	3.66E-01	1.44E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 21 NAME=Receptor 13 X= 0.8KM, Y= 0.8KM, Z= -32.0M, 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	3.53E-01	1.27E+00	1.09E+00	5.25E-01	4.15E-01	4.73E-03
CHILD	TOTALS	3.02E-01	2.72E+00	9.05E-01	5.98E-01	5.08E-01	4.73E-03
TEENAGE	TOTALS	3.46E-01	4.11E+00	9.18E-01	7.46E-01	6.86E-01	4.73E-03
ADULT	TOTALS	4.39E-01	5.25E+00	1.15E+00	1.00E+00	9.26E-01	4.73E-03

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.11E-01	1.41E+00	1.23E+00	6.65E-01	5.54E-01	3.79E+00
CHILD	TOTALS	6.60E-01	2.86E+00	1.04E+00	7.38E-01	6.48E-01	3.79E+00
TEENAGE	TOTALS	7.05E-01	4.25E+00	1.06E+00	8.86E-01	8.25E-01	3.79E+00
ADULT	TOTALS	7.98E-01	5.39E+00	1.29E+00	1.14E+00	1.07E+00	3.79E+00

NUMBER 22 NAME=Receptor 14 X= 0.8KM, Y= 0.0KM, Z= -15.0M, DIST= 0.8KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.72E-01	5.29E-01	6.67E-01	1.97E-01	1.57E-01	1.32E-03
CHILD	TOTALS	1.17E-01	8.81E-01	4.20E-01	1.86E-01	1.55E-01	1.32E-03
TEENAGE	TOTALS	1.16E-01	1.29E+00	3.43E-01	2.17E-01	1.98E-01	1.32E-03
ADULT	TOTALS	1.40E-01	1.59E+00	3.93E-01	2.87E-01	2.63E-01	1.32E-03

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.61E+00	5.77E-01	7.16E-01	2.46E-01	2.06E-01	2.32E+01
CHILD	TOTALS	1.55E+00	9.30E-01	4.69E-01	2.35E-01	2.04E-01	2.32E+01
TEENAGE	TOTALS	1.55E+00	1.34E+00	3.91E-01	2.65E-01	2.47E-01	2.32E+01
ADULT	TOTALS	1.58E+00	1.64E+00	4.42E-01	3.35E-01	3.12E-01	2.32E+01

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 23 NAME=Receptor 15 X= 0.8KM, Y= -0.3KM, Z= -6.0M, DIST= 0.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.43E-01	4.43E-01	5.54E-01	1.66E-01	1.32E-01	1.12E-03
CHILD	TOTALS	9.80E-02	7.43E-01	3.51E-01	1.57E-01	1.31E-01	1.12E-03
TEENAGE	TOTALS	9.80E-02	1.09E+00	2.88E-01	1.83E-01	1.68E-01	1.12E-03
ADULT	TOTALS	1.18E-01	1.35E+00	3.31E-01	2.43E-01	2.23E-01	1.12E-03

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.04E+00	4.83E-01	5.95E-01	2.07E-01	1.73E-01	1.44E+01
CHILD	TOTALS	9.98E-01	7.84E-01	3.91E-01	1.98E-01	1.72E-01	1.44E+01
TEENAGE	TOTALS	9.98E-01	1.13E+00	3.28E-01	2.24E-01	2.08E-01	1.44E+01
ADULT	TOTALS	1.02E+00	1.39E+00	3.72E-01	2.84E-01	2.63E-01	1.44E+01

NUMBER 24 NAME=Office Bldg X= 0.7KM, Y= 1.1KM, Z= -36.0M, DIST= 1.3KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.28E-01	8.17E-01	7.08E-01	3.38E-01	2.67E-01	3.05E-03
CHILD	TOTALS	1.95E-01	1.75E+00	5.84E-01	3.85E-01	3.28E-01	3.05E-03
TEENAGE	TOTALS	2.23E-01	2.65E+00	5.92E-01	4.81E-01	4.42E-01	3.05E-03
ADULT	TOTALS	2.83E-01	3.39E+00	7.43E-01	6.47E-01	5.97E-01	3.05E-03

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.75E-01	9.08E-01	7.99E-01	4.30E-01	3.59E-01	2.69E+00
CHILD	TOTALS	4.42E-01	1.84E+00	6.76E-01	4.77E-01	4.19E-01	2.69E+00
TEENAGE	TOTALS	4.70E-01	2.74E+00	6.83E-01	5.72E-01	5.33E-01	2.69E+00
ADULT	TOTALS	5.30E-01	3.48E+00	8.34E-01	7.39E-01	6.88E-01	2.69E+00

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 25 NAME=Telluride X= 78.4KM, Y= -33.6KM, Z= 100.0M, DIST= 85.3KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	8.64E-05	2.16E-04	4.15E-04	6.59E-05	5.34E-05	9.33E-08
CHILD	TOTALS	4.16E-05	1.88E-04	2.00E-04	3.29E-05	2.46E-05	9.33E-08
TEENAGE	TOTALS	2.84E-05	2.38E-04	1.12E-04	2.43E-05	2.11E-05	9.33E-08
ADULT	TOTALS	2.76E-05	2.44E-04	1.01E-04	2.71E-05	2.36E-05	9.33E-08

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.71E-03	1.95E-03	8.66E-04	7.88E-03	3.27E-03	3.13E-02
CHILD	TOTALS	2.54E-03	2.89E-03	9.53E-04	4.06E-03	2.01E-03	3.13E-02
TEENAGE	TOTALS	2.60E-03	5.41E-03	1.08E-03	2.39E-03	1.52E-03	3.13E-02
ADULT	TOTALS	2.64E-03	5.24E-03	1.34E-03	2.43E-03	1.64E-03	3.13E-02

NUMBER 26 NAME=Norwood X= 40.9KM, Y= -13.2KM, Z= 100.0M, DIST= 43.0KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.65E-04	6.70E-04	1.26E-03	2.07E-04	1.68E-04	3.67E-07
CHILD	TOTALS	1.30E-04	6.15E-04	6.16E-04	1.10E-04	8.30E-05	3.67E-07
TEENAGE	TOTALS	9.14E-05	7.88E-04	3.54E-04	8.65E-05	7.58E-05	3.67E-07
ADULT	TOTALS	9.07E-05	8.27E-04	3.23E-04	9.97E-05	8.78E-05	3.67E-07

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.61E-03	2.81E-03	2.06E-03	8.65E-03	3.84E-03	7.09E-02
CHILD	TOTALS	5.35E-03	3.76E-03	1.73E-03	4.63E-03	2.48E-03	7.09E-02
TEENAGE	TOTALS	5.38E-03	6.50E-03	1.69E-03	2.88E-03	1.98E-03	7.09E-02
ADULT	TOTALS	5.43E-03	6.35E-03	1.95E-03	2.94E-03	2.10E-03	7.09E-02

TIME STEP NUMBER 1, DURATION IN YRS IS... 5.0

NUMBER 27 NAME=Montrose X= 75.8KM, Y= 25.4KM, Z= 84.0M, DIST= 79.9KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.96E-05	1.99E-04	3.82E-04	6.07E-05	4.92E-05	8.56E-08
CHILD	TOTALS	3.83E-05	1.73E-04	1.84E-04	3.03E-05	2.26E-05	8.56E-08
TEENAGE	TOTALS	2.61E-05	2.19E-04	1.04E-04	2.23E-05	1.94E-05	8.56E-08
ADULT	TOTALS	2.54E-05	2.24E-04	9.27E-05	2.49E-05	2.17E-05	8.56E-08

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.04E-03	1.43E-03	7.13E-04	5.55E-03	2.32E-03	2.37E-02
CHILD	TOTALS	1.91E-03	2.08E-03	7.28E-04	2.87E-03	1.43E-03	2.37E-02
TEENAGE	TOTALS	1.95E-03	3.86E-03	7.95E-04	1.70E-03	1.09E-03	2.37E-02
ADULT	TOTALS	1.98E-03	3.74E-03	9.76E-04	1.73E-03	1.17E-03	2.37E-02

NUMBER 28 NAME=Moab X= -65.7KM, Y= 35.7KM, Z= -40.0M, DIST= 74.8KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.03E-05	1.01E-04	1.93E-04	3.09E-05	2.50E-05	4.54E-08
CHILD	TOTALS	1.95E-05	8.88E-05	9.35E-05	1.56E-05	1.16E-05	4.54E-08
TEENAGE	TOTALS	1.33E-05	1.12E-04	5.27E-05	1.16E-05	1.01E-05	4.54E-08
ADULT	TOTALS	1.30E-05	1.16E-04	4.73E-05	1.30E-05	1.14E-05	4.54E-08

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.72E-03	2.86E-03	9.63E-04	1.22E-02	5.08E-03	5.78E-02
CHILD	TOTALS	4.51E-03	4.35E-03	1.33E-03	6.32E-03	3.16E-03	5.78E-02
TEENAGE	TOTALS	4.62E-03	8.20E-03	1.62E-03	3.75E-03	2.41E-03	5.78E-02
ADULT	TOTALS	4.69E-03	7.92E-03	2.04E-03	3.81E-03	2.59E-03	5.78E-02

0Program execution time = 0.27 seconds