From:	John Schmuck
To:	Lancaster, Thomas
Cc:	Rhonda Grantham; Doug Pavlick; Larry Teahon; Sabrina Fox; Larry McGonagle
Subject:	Marsland RAI Responses - RAI 12.A, 37.A.1, 37.C, Admin Section 5 #3 and #4 Email 2 of 2
Date:	Monday, July 14, 2014 2:26:31 PM
Attachments:	Appendix M CAM Marsland Mildos Printouts 1of2 6-25-2014.pdf Appendix M CAM Marsland Mildos printout 2of2 6-25-2014.pdf

---

This email and any files transmitted with it are personal and confidential, and are solely for the use of the individual or entity addressed. Therefore, if you are not the intended recipient, please delete this email and any files transmitted with it (without making any copies) and advise the author immediately.

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 16 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	North Boundary	-0.70	0.70	29.00	0.99	1	9	MU-A	-0.76	2.88	45.00	2.98	1
2	East Boundary	1.40	0.30	-20.00	1.43	1	10	MU-B	1.22	-1.02	-15.00	1.59	1
3	South Boundary	0.00	-0.50	13.00	0.50	1	11	MU-C	1.84	-2.33	-25.00	2.97	1
4	West Boundary	-0.70	0.00	49.00	0.70	1	12	MU-D	2.52	-3.56	-36.00	4.36	1
5	MU-1	-0.46	2.33	27.00	2.37	1	13	MU-E	2.84	-3.98	-42.00	4.89	1
6	MU-2	-0.45	1.65	16.00	1.71	1	14	MU-F	3.00	-4.30	-47.00	5.24	1
7	MU-3	-0.05	0.95	13.00	0.95	1	15	MU-4	0.54	0.13	-4.00	0.56	1
8	MU-5	0.94	-0.45	-15.00	1.04	1	16	Satellite	0.00	0.00	0.00	0.00	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.50	0.50	0.50	0.50	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0,

JC EQUALS 0, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 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	0.00	0.00	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+04	1001	1	1.00E+01	Satellite

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	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									

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.	5.075E-01	4.110E+00	6.624E-02	3.082E+00	1.482E+00	2.001E+02
GROUND	2.817E-02	2.817E-02	2.817E-02	2.817E-02	2.817E-02	2.817E-02
CLOUD	1.712E+00	1.712E+00	1.712E+00	1.712E+00	1.712E+00	1.712E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.247E+00	5.850E+00	1.806E+00	4.822E+00	3.222E+00	2.018E+02

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	1.008E+02	1.344E+03	1.904E+01	1.008E+02	1.008E+02	4.816E+02
TOTALS	1.008E+02	1.344E+03	1.904E+01	1.008E+02	1.008E+02	4.816E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	5.075E-01	4.110E+00	6.624E-02	3.082E+00	1.482E+00	2.001E+02
GROUND	2.817E-02	2.817E-02	2.817E-02	2.817E-02	2.817E-02	2.817E-02
CLOUD	1.712E+00	1.712E+00	1.712E+00	1.712E+00	1.712E+00	1.712E+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	1.008E+02	1.344E+03	1.904E+01	1.008E+02	1.008E+02	4.816E+02
TOTALS	1.030E+02	1.350E+03	2.085E+01	1.056E+02	1.040E+02	6.834E+02

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

NUMBER 1 NAME=North Boundary X= -0.7KM, Y= 0.7KM, Z= 29.0M, DIST= 1.0KM, 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	6.81E+01	1.20E+00	1.18E+00	1.27E+00	1.21E+00	1.12E+03
CHILD	TOTALS	6.81E+01	1.21E+00	1.18E+00	1.22E+00	1.20E+00	1.12E+03
TEENAGE	TOTALS	6.81E+01	1.24E+00	1.19E+00	1.20E+00	1.19E+00	1.12E+03
ADULT	TOTALS	6.81E+01	1.24E+00	1.19E+00	1.20E+00	1.19E+00	1.12E+03

NUMBER 2 NAME=East Boundary X= 1.4KM, Y= 0.3KM, Z= -20.0M, DIST= 1.4KM, 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	8.25E+00	6.96E-02	6.85E-02	7.46E-02	7.08E-02	1.36E+02
CHILD	TOTALS	8.25E+00	7.04E-02	6.88E-02	7.15E-02	6.98E-02	1.36E+02
TEENAGE	TOTALS	8.25E+00	7.24E-02	6.89E-02	7.01E-02	6.94E-02	1.36E+02
ADULT	TOTALS	8.25E+00	7.23E-02	6.92E-02	7.01E-02	6.95E-02	1.36E+02

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

NUMBER 3 NAME=South Boundary X= 0.0KM, Y= -0.5KM, Z= 13.0M, 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	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	1.37E+02	3.40E-01	3.39E-01	3.45E-01	3.41E-01	2.28E+03
CHILD	TOTALS	1.37E+02	3.41E-01	3.40E-01	3.42E-01	3.41E-01	2.28E+03
TEENAGE	TOTALS	1.37E+02	3.43E-01	3.40E-01	3.41E-01	3.40E-01	2.28E+03
ADULT	TOTALS	1.37E+02	3.43E-01	3.40E-01	3.41E-01	3.40E-01	2.28E+03

NUMBER 4 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 49.0M, 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	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	8.85E+01	8.92E-01	8.85E-01	9.24E-01	9.00E-01	1.46E+03
CHILD	TOTALS	8.85E+01	8.97E-01	8.87E-01	9.04E-01	8.94E-01	1.46E+03
TEENAGE	TOTALS	8.85E+01	9.10E-01	8.88E-01	8.96E-01	8.91E-01	1.46E+03
ADULT	TOTALS	8.85E+01	9.10E-01	8.90E-01	8.96E-01	8.92E-01	1.46E+03

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

NUMBER 5 NAME=MU-1 X= -0.5KM, Y= 2.3KM, Z= 27.0M, DIST= 2.4KM, 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	1.81E+01	9.31E-01	8.85E-01	1.14E+00	9.83E-01	2.87E+02
CHILD	TOTALS	1.81E+01	9.65E-01	8.96E-01	1.01E+00	9.40E-01	2.87E+02
TEENAGE	TOTALS	1.81E+01	1.05E+00	9.04E-01	9.53E-01	9.23E-01	2.87E+02
ADULT	TOTALS	1.81E+01	1.05E+00	9.14E-01	9.55E-01	9.27E-01	2.87E+02

NUMBER 6 NAME=MU-2 X= -0.4KM, Y= 1.6KM, Z= 16.0M, 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	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	2.47E+01	7.80E-01	7.56E-01	8.91E-01	8.07E-01	4.00E+02
CHILD	TOTALS	2.47E+01	7.98E-01	7.62E-01	8.22E-01	7.84E-01	4.00E+02
TEENAGE	TOTALS	2.47E+01	8.42E-01	7.66E-01	7.91E-01	7.76E-01	4.00E+02
ADULT	TOTALS	2.47E+01	8.39E-01	7.71E-01	7.92E-01	7.78E-01	4.00E+02

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

NUMBER 7 NAME=MU-3 X= -0.1KM, Y= 0.9KM, Z= 13.0M, DIST= 1.0KM, 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	4.52E+01	5.33E-01	5.26E-01	5.63E-01	5.40E-01	7.44E+02
CHILD	TOTALS	4.52E+01	5.38E-01	5.28E-01	5.44E-01	5.34E-01	7.44E+02
TEENAGE	TOTALS	4.52E+01	5.50E-01	5.29E-01	5.36E-01	5.32E-01	7.44E+02
ADULT	TOTALS	4.52E+01	5.49E-01	5.30E-01	5.36E-01	5.32E-01	7.44E+02

NUMBER 8 NAME=MU-5 X= 0.9KM, Y= -0.4KM, Z= -15.0M, DIST= 1.0KM, 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	1.41E+01	5.82E-02	5.77E-02	6.05E-02	5.87E-02	2.34E+02
CHILD	TOTALS	1.41E+01	5.85E-02	5.78E-02	5.90E-02	5.83E-02	2.34E+02
TEENAGE	TOTALS	1.41E+01	5.95E-02	5.79E-02	5.84E-02	5.81E-02	2.34E+02
ADULT	TOTALS	1.41E+01	5.94E-02	5.80E-02	5.84E-02	5.81E-02	2.34E+02

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

NUMBER 9 NAME=MU-A X= -0.8KM, Y= 2.9KM, Z= 45.0M, 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	1.31E+01	8.42E-01	7.86E-01	1.10E+00	9.06E-01	2.05E+02
CHILD	TOTALS	1.30E+01	8.84E-01	8.00E-01	9.41E-01	8.53E-01	2.05E+02
TEENAGE	TOTALS	1.30E+01	9.90E-01	8.09E-01	8.70E-01	8.32E-01	2.05E+02
ADULT	TOTALS	1.31E+01	9.82E-01	8.21E-01	8.71E-01	8.37E-01	2.05E+02

NUMBER 10 NAME=MU-B X= 1.2KM, Y= -1.0KM, Z= -15.0M, DIST= 1.6KM, 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+01	1.20E-01	1.17E-01	1.30E-01	1.22E-01	2.12E+02
CHILD	TOTALS	1.28E+01	1.21E-01	1.18E-01	1.24E-01	1.20E-01	2.12E+02
TEENAGE	TOTALS	1.28E+01	1.26E-01	1.18E-01	1.21E-01	1.19E-01	2.12E+02
ADULT	TOTALS	1.28E+01	1.25E-01	1.19E-01	1.21E-01	1.19E-01	2.12E+02

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

NUMBER 11 NAME=MU-C X= 1.8KM, Y= -2.3KM, Z= -25.0M, 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	6.94E+00	1.96E-01	1.86E-01	2.43E-01	2.07E-01	1.13E+02
CHILD	TOTALS	6.93E+00	2.03E-01	1.88E-01	2.14E-01	1.98E-01	1.13E+02
TEENAGE	TOTALS	6.93E+00	2.22E-01	1.90E-01	2.01E-01	1.94E-01	1.13E+02
ADULT	TOTALS	6.94E+00	2.21E-01	1.92E-01	2.01E-01	1.95E-01	1.13E+02

NUMBER 12 NAME=MU-D X= 2.5KM, Y= -3.6KM, Z= -36.0M, DIST= 4.4KM, 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	4.66E+00	1.95E-01	1.80E-01	2.69E-01	2.13E-01	7.47E+01
CHILD	TOTALS	4.65E+00	2.07E-01	1.83E-01	2.23E-01	1.98E-01	7.47E+01
TEENAGE	TOTALS	4.66E+00	2.37E-01	1.86E-01	2.03E-01	1.93E-01	7.47E+01
ADULT	TOTALS	4.66E+00	2.35E-01	1.89E-01	2.04E-01	1.94E-01	7.47E+01

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

NUMBER 13 NAME=MU-E X= 2.8KM, Y= -4.0KM, Z= -42.0M, DIST= 4.9KM, 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	3.94E+00	1.74E-01	1.58E-01	2.45E-01	1.91E-01	6.32E+01
CHILD	TOTALS	3.94E+00	1.85E-01	1.62E-01	2.01E-01	1.77E-01	6.32E+01
TEENAGE	TOTALS	3.94E+00	2.14E-01	1.65E-01	1.81E-01	1.71E-01	6.32E+01
ADULT	TOTALS	3.94E+00	2.12E-01	1.68E-01	1.82E-01	1.72E-01	6.32E+01

NUMBER 14 NAME=MU-F X= 3.0KM, Y= -4.3KM, Z= -47.0M, DIST= 5.2KM, 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	3.57E+00	1.61E-01	1.46E-01	2.29E-01	1.77E-01	5.71E+01
CHILD	TOTALS	3.57E+00	1.72E-01	1.50E-01	1.87E-01	1.64E-01	5.71E+01
TEENAGE	TOTALS	3.57E+00	2.00E-01	1.52E-01	1.68E-01	1.58E-01	5.71E+01
ADULT	TOTALS	3.57E+00	1.98E-01	1.55E-01	1.68E-01	1.59E-01	5.71E+01

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

NUMBER 15 NAME=MU-4 X= 0.5KM, Y= 0.1KM, Z= -4.0M, DIST= 0.6KM, 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	5.67E-02	5.66E-02	5.72E-02	5.68E-02	5.84E+02
CHILD	TOTALS	3.51E+01	5.68E-02	5.67E-02	5.69E-02	5.67E-02	5.84E+02
TEENAGE	TOTALS	3.51E+01	5.70E-02	5.67E-02	5.68E-02	5.67E-02	5.84E+02
ADULT	TOTALS	3.51E+01	5.70E-02	5.67E-02	5.68E-02	5.67E-02	5.84E+02

NUMBER 16 NAME=Satellite X= 0.0KM, Y= 0.0KM, Z= 0.0M, DIST= 0.0KM, 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	7.01E-18	4.23E-22	4.23E-22	4.23E-22	4.23E-22	1.17E-16
CHILD	TOTALS	7.01E-18	4.23E-22	4.23E-22	4.23E-22	4.23E-22	1.17E-16
TEENAGE	TOTALS	7.01E-18	4.23E-22	4.23E-22	4.23E-22	4.23E-22	1.17E-16
ADULT	TOTALS	7.01E-18	4.23E-22	4.23E-22	4.23E-22	4.23E-22	1.17E-16

Program execution time = 0.05 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 16 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	North Boundary #1	-0.70	0.70	29.00	0.99	1	9	MU-A	-0.76	2.88	45.00	2.98	1
2	East Boundary	1.40	0.30	-20.00	1.43	1	10	MU-B	1.22	-1.02	-15.00	1.59	1
3	South Boundary	0.00	-0.50	13.00	0.50	1	11	MU-C	1.84	-2.33	-25.00	2.97	1
4	West Boundary	-0.70	0.00	49.00	0.70	1	12	MU-D	2.52	-3.56	-36.00	4.36	1
5	MU-1	-0.46	2.33	27.00	2.37	1	13	MU-E	2.84	-3.98	-42.00	4.89	1
6	MU-2	-0.45	1.63	16.00	1.69	1	14	MU-F	3.00	-4.30	-47.00	5.24	1
7	MU-3	-0.05	0.93	13.00	0.93	1	15	MU-4	0.54	0.13	-4.00	0.56	1
8	MU-5	0.94	-0.45	-15.00	1.04	1	16	Satellite	0.00	0.00	0.00	0.00	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.90	0.10	0.90	0.10	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0,

JC EQUALS 1, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES= 3

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-12.30	25.30	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E+03	1001	1	1.00E+01	N TREND
2	-7.33	16.21	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E+03	1002	1	1.00E+01	Crow Butte Resource
3	-16.52	15.44	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E+03	1003	1	1.00E+01	Three Crow

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	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									
2	1.000E+00									
3	1.000E+00									

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.	1.043E+00	8.443E+00	1.405E-01	6.332E+00	3.046E+00	4.990E+02
GROUND	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02
CLOUD	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00
VEG. ING	5.009E+00	5.788E+01	5.009E+00	1.720E+01	1.401E+01	5.009E+00
MEAT ING	3.484E-01	4.026E+00	3.484E-01	1.196E+00	9.746E-01	3.484E-01
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	1.002E+01	7.397E+01	9.117E+00	2.835E+01	2.165E+01	5.079E+02

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	8.463E+02	9.779E+03	8.463E+02	2.906E+03	2.367E+03	8.463E+02
MEAT ING	6.979E+00	8.064E+01	6.979E+00	2.397E+01	1.952E+01	6.979E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.092E+02	2.852E+03	4.754E+01	2.092E+02	2.092E+02	1.331E+03
TOTALS	1.062E+03	1.271E+04	9.008E+02	3.140E+03	2.596E+03	2.184E+03

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.043E+00	8.443E+00	1.405E-01	6.332E+00	3.046E+00	4.990E+02
GROUND	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02
CLOUD	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00
VEG. ING	8.513E+02	9.837E+03	8.513E+02	2.924E+03	2.381E+03	8.513E+02
MEAT ING	7.327E+00	8.467E+01	7.327E+00	2.517E+01	2.050E+01	7.327E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.092E+02	2.852E+03	4.754E+01	2.092E+02	2.092E+02	1.331E+03
TOTALS	1.072E+03	1.279E+04	9.099E+02	3.168E+03	2.618E+03	2.692E+03

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

NUMBER 1 NAME=North Boundary #1 X= -0.7KM, Y= 0.7KM, Z= 29.0M, DIST= 1.0KM, 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	3.63E+00	7.22E-01	4.29E-01	2.08E+00	1.05E+00	5.25E+01
CHILD	TOTALS	3.60E+00	9.51E-01	5.04E-01	1.24E+00	7.80E-01	5.25E+01
TEENAGE	TOTALS	3.62E+00	1.51E+00	5.54E-01	8.69E-01	6.74E-01	5.25E+01
ADULT	TOTALS	3.63E+00	1.48E+00	6.20E-01	8.82E-01	7.03E-01	5.25E+01

NUMBER 2 NAME=East Boundary X= 1.4KM, Y= 0.3KM, Z= -20.0M, DIST= 1.4KM, 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+00	5.11E-01	3.11E-01	1.44E+00	7.37E-01	3.91E+01
CHILD	TOTALS	2.67E+00	6.67E-01	3.62E-01	8.63E-01	5.51E-01	3.91E+01
TEENAGE	TOTALS	2.68E+00	1.05E+00	3.96E-01	6.11E-01	4.78E-01	3.91E+01
ADULT	TOTALS	2.69E+00	1.03E+00	4.41E-01	6.20E-01	4.98E-01	3.91E+01

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

NUMBER 3 NAME=South Boundary X= 0.0KM, Y= -0.5KM, Z= 13.0M, 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	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	3.26E+00	6.66E-01	3.89E-01	1.95E+00	9.79E-01	4.70E+01
CHILD	TOTALS	3.23E+00	8.82E-01	4.59E-01	1.15E+00	7.21E-01	4.70E+01
TEENAGE	TOTALS	3.25E+00	1.41E+00	5.07E-01	8.05E-01	6.21E-01	4.70E+01
ADULT	TOTALS	3.26E+00	1.39E+00	5.69E-01	8.17E-01	6.48E-01	4.70E+01

NUMBER 4 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 49.0M, 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	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	3.56E+00	7.21E-01	4.24E-01	2.10E+00	1.06E+00	5.14E+01
CHILD	TOTALS	3.53E+00	9.52E-01	4.99E-01	1.24E+00	7.80E-01	5.14E+01
TEENAGE	TOTALS	3.55E+00	1.52E+00	5.50E-01	8.69E-01	6.72E-01	5.14E+01
ADULT	TOTALS	3.56E+00	1.49E+00	6.17E-01	8.82E-01	7.01E-01	5.14E+01

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

NUMBER 5 NAME=MU-1 X= -0.5KM, Y= 2.3KM, Z= 27.0M, DIST= 2.4KM, 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	3.78E+00	7.20E-01	4.39E-01	2.02E+00	1.04E+00	5.50E+01
CHILD	TOTALS	3.76E+00	9.38E-01	5.10E-01	1.21E+00	7.75E-01	5.50E+01
TEENAGE	TOTALS	3.78E+00	1.47E+00	5.58E-01	8.60E-01	6.74E-01	5.50E+01
ADULT	TOTALS	3.79E+00	1.45E+00	6.21E-01	8.72E-01	7.01E-01	5.50E+01

NUMBER 6 NAME=MU-2 X= -0.4KM, Y= 1.6KM, Z= 16.0M, 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	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	3.63E+00	6.99E-01	4.23E-01	1.98E+00	1.01E+00	5.26E+01
CHILD	TOTALS	3.60E+00	9.15E-01	4.93E-01	1.19E+00	7.54E-01	5.26E+01
TEENAGE	TOTALS	3.62E+00	1.44E+00	5.41E-01	8.38E-01	6.54E-01	5.26E+01
ADULT	TOTALS	3.63E+00	1.42E+00	6.03E-01	8.50E-01	6.81E-01	5.26E+01

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

NUMBER 7 NAME=MU-3 X= -0.1KM, Y= 0.9KM, Z= 13.0M, 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	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	3.44E+00	6.75E-01	4.04E-01	1.94E+00	9.82E-01	4.98E+01
CHILD	TOTALS	3.41E+00	8.87E-01	4.73E-01	1.15E+00	7.29E-01	4.98E+01
TEENAGE	TOTALS	3.43E+00	1.41E+00	5.20E-01	8.11E-01	6.31E-01	4.98E+01
ADULT	TOTALS	3.44E+00	1.38E+00	5.80E-01	8.23E-01	6.57E-01	4.98E+01

NUMBER 8 NAME=MU-5 X= 0.9KM, Y= -0.4KM, Z= -15.0M, DIST= 1.0KM, 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	2.78E+00	5.44E-01	3.26E-01	1.56E+00	7.91E-01	4.03E+01
CHILD	TOTALS	2.76E+00	7.14E-01	3.81E-01	9.29E-01	5.88E-01	4.03E+01
TEENAGE	TOTALS	2.77E+00	1.13E+00	4.19E-01	6.54E-01	5.09E-01	4.03E+01
ADULT	TOTALS	2.78E+00	1.11E+00	4.68E-01	6.63E-01	5.30E-01	4.03E+01

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

NUMBER 9 NAME=MU-A X= -0.8KM, Y= 2.9KM, Z= 45.0M, 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	3.94E+00	7.37E-01	4.54E-01	2.05E+00	1.06E+00	5.74E+01
CHILD	TOTALS	3.92E+00	9.57E-01	5.26E-01	1.23E+00	7.93E-01	5.74E+01
TEENAGE	TOTALS	3.93E+00	1.50E+00	5.74E-01	8.78E-01	6.90E-01	5.74E+01
ADULT	TOTALS	3.94E+00	1.47E+00	6.38E-01	8.91E-01	7.18E-01	5.74E+01

NUMBER 10 NAME=MU-B X= 1.2KM, Y= -1.0KM, Z= -15.0M, DIST= 1.6KM, 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	2.70E+00	5.38E-01	3.19E-01	1.56E+00	7.85E-01	3.91E+01
CHILD	TOTALS	2.68E+00	7.08E-01	3.74E-01	9.23E-01	5.81E-01	3.91E+01
TEENAGE	TOTALS	2.69E+00	1.13E+00	4.12E-01	6.47E-01	5.02E-01	3.91E+01
ADULT	TOTALS	2.70E+00	1.11E+00	4.61E-01	6.57E-01	5.23E-01	3.91E+01

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

NUMBER 11 NAME=MU-C X= 1.8KM, Y= -2.3KM, Z= -25.0M, 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	2.40E+00	4.84E-01	2.85E-01	1.41E+00	7.08E-01	3.47E+01
CHILD	TOTALS	2.38E+00	6.39E-01	3.36E-01	8.34E-01	5.23E-01	3.47E+01
TEENAGE	TOTALS	2.39E+00	1.02E+00	3.70E-01	5.83E-01	4.51E-01	3.47E+01
ADULT	TOTALS	2.40E+00	1.00E+00	4.14E-01	5.92E-01	4.71E-01	3.47E+01

NUMBER 12 NAME=MU-D X= 2.5KM, Y= -3.6KM, Z= -36.0M, DIST= 4.4KM, 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	2.14E+00	4.32E-01	2.55E-01	1.26E+00	6.33E-01	3.09E+01
CHILD	TOTALS	2.13E+00	5.70E-01	3.00E-01	7.45E-01	4.68E-01	3.09E+01
TEENAGE	TOTALS	2.14E+00	9.09E-01	3.31E-01	5.21E-01	4.03E-01	3.09E+01
ADULT	TOTALS	2.14E+00	8.93E-01	3.70E-01	5.29E-01	4.20E-01	3.09E+01

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

NUMBER 13 NAME=MU-E X= 2.8KM, Y= -4.0KM, Z= -42.0M, DIST= 4.9KM, 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+00	4.04E-01	2.40E-01	1.17E+00	5.90E-01	2.92E+01
CHILD	TOTALS	2.00E+00	5.33E-01	2.82E-01	6.94E-01	4.37E-01	2.92E+01
TEENAGE	TOTALS	2.01E+00	8.47E-01	3.10E-01	4.87E-01	3.78E-01	2.92E+01
ADULT	TOTALS	2.02E+00	8.32E-01	3.47E-01	4.94E-01	3.93E-01	2.92E+01

NUMBER 14 NAME=MU-F X= 3.0KM, Y= -4.3KM, Z= -47.0M, DIST= 5.2KM, 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	1.92E+00	3.83E-01	2.29E-01	1.10E+00	5.57E-01	2.78E+01
CHILD	TOTALS	1.91E+00	5.03E-01	2.68E-01	6.54E-01	4.13E-01	2.78E+01
TEENAGE	TOTALS	1.92E+00	7.97E-01	2.94E-01	4.60E-01	3.57E-01	2.78E+01
ADULT	TOTALS	1.93E+00	7.83E-01	3.29E-01	4.67E-01	3.72E-01	2.78E+01

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

NUMBER 15 NAME=MU-4 X= 0.5KM, Y= 0.1KM, Z= -4.0M, DIST= 0.6KM, 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	3.05E+00	6.00E-01	3.58E-01	1.72E+00	8.74E-01	4.42E+01
CHILD	TOTALS	3.03E+00	7.89E-01	4.20E-01	1.03E+00	6.48E-01	4.42E+01
TEENAGE	TOTALS	3.04E+00	1.25E+00	4.62E-01	7.22E-01	5.61E-01	4.42E+01
ADULT	TOTALS	3.05E+00	1.23E+00	5.16E-01	7.32E-01	5.84E-01	4.42E+01

NUMBER 16 NAME=Satellite X= 0.0KM, Y= 0.0KM, Z= 0.0M, DIST= 0.0KM, 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	3.17E+00	6.30E-01	3.75E-01	1.82E+00	9.18E-01	4.59E+01
CHILD	TOTALS	3.15E+00	8.28E-01	4.39E-01	1.08E+00	6.80E-01	4.59E+01
TEENAGE	TOTALS	3.17E+00	1.32E+00	4.83E-01	7.58E-01	5.88E-01	4.59E+01
ADULT	TOTALS	3.17E+00	1.29E+00	5.40E-01	7.69E-01	6.13E-01	4.59E+01

Program execution time = 0.23 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 36 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	E0.5	0.50	0.00	0.00	0.50	1	19	NE1.5	1.06	1.06	0.00	1.50	1
2	E1.0	1.00	0.00	0.00	1.00	1	20	NE2.0	1.50	1.50	0.00	2.12	1
3	E1.5	1.50	0.00	0.00	1.50	1	21	SE0.5	0.35	-0.35	0.00	0.49	1
4	E2.0	2.00	0.00	0.00	2.00	1	22	SE1.0	0.71	-0.71	0.00	1.00	1
5	S0.5	0.00	-0.50	0.00	0.50	1	23	SE1.5	1.06	-1.06	0.00	1.50	1
6	S1.0	0.00	-1.00	0.00	1.00	1	24	SE2.0	1.50	-1.50	0.00	2.12	1
7	S1.5	0.00	-1.50	0.00	1.50	1	25	ESE1.0	0.38	-0.92	0.00	1.00	1
8	S2.0	0.00	-2.00	0.00	2.00	1	26	ESE1.25	0.48	-1.15	0.00	1.25	1
9	W0.5	-0.50	0.00	0.00	0.50	1	27	ESE1.5	0.57	-1.39	0.00	1.50	1
10	W1.0	-1.00	0.00	0.00	1.00	1	28	ESE1.75	0.67	-1.62	0.00	1.75	1
11	W1.5	-1.50	0.00	0.00	1.50	1	29	ESE2.0	0.76	-1.85	0.00	2.00	1
12	W2.0	-2.00	0.00	0.00	2.00	1	30	SE1.25	0.88	-0.88	0.00	1.25	1
13	N0.5	0.00	0.50	0.00	0.50	1	31	SE1.75	1.24	-1.24	0.00	1.75	1
14	N1.0	0.00	1.00	0.00	1.00	1	32	SSE1.0	0.92	-0.38	0.00	1.00	1
15	N1.5	0.00	1.50	0.00	1.50	1	33	SSE1.25	1.15	-0.48	0.00	1.25	1
16	N2.0	0.00	2.00	0.00	2.00	1	34	SSE1.50	1.39	-0.57	0.00	1.50	1
17	NE0.5	0.35	0.35	0.00	0.49	1	35	SSE2.75	1.62	-0.67	0.00	1.75	1
18	NE1.0	0.71	0.71	0.00	1.00	1	36	SSE2.0	1.85	-0.76	0.00	2.00	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.50	0.50	0.50	0.50	8700.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,

JC EQUALS 0, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES=10

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	-0.56	2.23	27.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+03	1001	1	0.00E+00	MU-1
2	-0.55	1.65	16.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E+03	1002	1	0.00E+00	MU-2
3	-0.15	0.95	13.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E+02	1003	1	0.00E+00	MU-3
4	0.44	0.13	-4.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+03	1004	1	0.00E+00	MU-4
5	0.84	-0.45	-14.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E+02	1005	1	0.00E+00	MU-5
6	-0.86	2.88	45.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03	1006	1	0.00E+00	MU-A
7	1.12	-1.02	-15.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+03	1007	1	0.00E+00	MU-B
8	1.74	-2.33	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E+02	1008	1	0.00E+00	MU-C
9	2.42	-3.56	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+03	1009	1	0.00E+00	MU-D
10	2.82	-4.14	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+03	1010	1	0.00E+00	MU-EF

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									
6	1.000E+00									
7	1.000E+00									
8	1.000E+00									
9	1.000E+00									
10	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									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									
6	1.000E+00									
7	1.000E+00									
8	1.000E+00									
9	1.000E+00									
10	1.000E+00									

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.	5.093E-01	4.124E+00	6.646E-02	3.093E+00	1.487E+00	1.995E+02
GROUND	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02
CLOUD	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+00
VEG. ING	2.392E+00	2.764E+01	2.392E+00	8.216E+00	6.693E+00	2.392E+00
MEAT ING	1.311E-01	1.515E+00	1.311E-01	4.502E-01	3.667E-01	1.311E-01
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	4.766E+00	3.502E+01	4.323E+00	1.349E+01	1.028E+01	2.037E+02

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	3.827E+01	4.422E+02	3.827E+01	1.314E+02	1.071E+02	3.827E+01
MEAT ING	2.626E+00	3.034E+01	2.626E+00	9.018E+00	7.346E+00	2.626E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	1.005E+02	1.340E+03	1.898E+01	1.005E+02	1.005E+02	4.800E+02
TOTALS	1.414E+02	1.812E+03	5.987E+01	2.409E+02	2.149E+02	5.209E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	5.093E-01	4.124E+00	6.646E-02	3.093E+00	1.487E+00	1.995E+02
GROUND	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02
CLOUD	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+00
VEG. ING	4.066E+01	4.698E+02	4.066E+01	1.396E+02	1.137E+02	4.066E+01
MEAT ING	2.757E+00	3.186E+01	2.757E+00	9.468E+00	7.712E+00	2.757E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	1.005E+02	1.340E+03	1.898E+01	1.005E+02	1.005E+02	4.800E+02
TOTALS	1.461E+02	1.847E+03	6.419E+01	2.544E+02	2.252E+02	7.247E+02

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

NUMBER 1 NAME=E0.5 X= 0.5KM, Y= 0.0KM, Z= 0.0M, 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	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+02	1.32E+00	1.28E+00	1.49E+00	1.36E+00	7.66E+03
CHILD	TOTALS	4.61E+02	1.35E+00	1.29E+00	1.38E+00	1.32E+00	7.66E+03
TEENAGE	TOTALS	4.61E+02	1.42E+00	1.29E+00	1.34E+00	1.31E+00	7.66E+03
ADULT	TOTALS	4.61E+02	1.41E+00	1.30E+00	1.34E+00	1.31E+00	7.66E+03

NUMBER 2 NAME=E1.0 X= 1.0KM, Y= 0.0KM, Z= 0.0M, DIST= 1.0KM, 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	5.26E+01	8.35E-01	7.99E-01	9.98E-01	8.74E-01	8.64E+02
CHILD	TOTALS	5.26E+01	8.61E-01	8.08E-01	8.96E-01	8.41E-01	8.64E+02
TEENAGE	TOTALS	5.26E+01	9.27E-01	8.14E-01	8.51E-01	8.28E-01	8.64E+02
ADULT	TOTALS	5.26E+01	9.22E-01	8.21E-01	8.53E-01	8.31E-01	8.64E+02

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

NUMBER 3 NAME=E1.5 X= 1.5KM, Y= 0.0KM, Z= 0.0M, DIST= 1.5KM, 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	2.71E+01	7.56E-01	7.19E-01	9.27E-01	7.97E-01	4.39E+02
CHILD	TOTALS	2.70E+01	7.83E-01	7.28E-01	8.20E-01	7.63E-01	4.39E+02
TEENAGE	TOTALS	2.70E+01	8.52E-01	7.34E-01	7.73E-01	7.49E-01	4.39E+02
ADULT	TOTALS	2.70E+01	8.47E-01	7.41E-01	7.74E-01	7.52E-01	4.39E+02

NUMBER 4 NAME=E2.0 X= 2.0KM, Y= 0.0KM, Z= 0.0M, 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	1.72E+01	7.09E-01	6.67E-01	8.98E-01	7.55E-01	2.76E+02
CHILD	TOTALS	1.72E+01	7.39E-01	6.77E-01	7.80E-01	7.16E-01	2.76E+02
TEENAGE	TOTALS	1.72E+01	8.16E-01	6.84E-01	7.28E-01	7.01E-01	2.76E+02
ADULT	TOTALS	1.72E+01	8.10E-01	6.93E-01	7.29E-01	7.05E-01	2.76E+02

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

NUMBER 5 NAME=S0.5 X= 0.0KM, Y= -0.5KM, Z= 0.0M, 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	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	3.14E+01	9.06E-01	8.63E-01	1.11E+00	9.55E-01	5.10E+02
CHILD	TOTALS	3.14E+01	9.38E-01	8.73E-01	9.82E-01	9.14E-01	5.10E+02
TEENAGE	TOTALS	3.14E+01	1.02E+00	8.80E-01	9.27E-01	8.98E-01	5.10E+02
ADULT	TOTALS	3.14E+01	1.01E+00	8.90E-01	9.28E-01	9.02E-01	5.10E+02

NUMBER 6 NAME=S1.0 X= 0.0KM, Y= -1.0KM, Z= 0.0M, DIST= 1.0KM, 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	2.27E+01	8.81E-01	8.32E-01	1.11E+00	9.35E-01	3.64E+02
CHILD	TOTALS	2.27E+01	9.17E-01	8.44E-01	9.65E-01	8.90E-01	3.64E+02
TEENAGE	TOTALS	2.27E+01	1.01E+00	8.52E-01	9.04E-01	8.72E-01	3.64E+02
ADULT	TOTALS	2.27E+01	1.00E+00	8.62E-01	9.06E-01	8.76E-01	3.64E+02

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

NUMBER 7 NAME=S1.5 X= 0.0KM, Y= -1.5KM, Z= 0.0M, DIST= 1.5KM, 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	1.81E+01	8.79E-01	8.25E-01	1.13E+00	9.39E-01	2.89E+02
CHILD	TOTALS	1.81E+01	9.19E-01	8.38E-01	9.73E-01	8.89E-01	2.89E+02
TEENAGE	TOTALS	1.81E+01	1.02E+00	8.47E-01	9.05E-01	8.69E-01	2.89E+02
ADULT	TOTALS	1.81E+01	1.01E+00	8.58E-01	9.06E-01	8.74E-01	2.89E+02

NUMBER 8 NAME=S2.0 X= 0.0KM, Y= -2.0KM, Z= 0.0M, 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	1.50E+01	8.59E-01	8.00E-01	1.13E+00	9.26E-01	2.37E+02
CHILD	TOTALS	1.50E+01	9.03E-01	8.14E-01	9.62E-01	8.70E-01	2.37E+02
TEENAGE	TOTALS	1.50E+01	1.01E+00	8.24E-01	8.87E-01	8.49E-01	2.37E+02
ADULT	TOTALS	1.50E+01	1.01E+00	8.36E-01	8.89E-01	8.54E-01	2.37E+02

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

NUMBER 9 NAME=W0.5 X= -0.5KM, Y= 0.0KM, Z= 0.0M, 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	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	2.29E+01	7.58E-01	7.19E-01	9.38E-01	8.02E-01	3.69E+02
CHILD	TOTALS	2.28E+01	7.87E-01	7.29E-01	8.26E-01	7.65E-01	3.69E+02
TEENAGE	TOTALS	2.28E+01	8.60E-01	7.35E-01	7.77E-01	7.51E-01	3.69E+02
ADULT	TOTALS	2.28E+01	8.55E-01	7.43E-01	7.78E-01	7.54E-01	3.69E+02

NUMBER 10 NAME=W1.0 X= -1.0KM, Y= 0.0KM, Z= 0.0M, DIST= 1.0KM, 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	1.49E+01	6.57E-01	6.17E-01	8.40E-01	7.01E-01	2.39E+02
CHILD	TOTALS	1.49E+01	6.86E-01	6.27E-01	7.26E-01	6.64E-01	2.39E+02
TEENAGE	TOTALS	1.49E+01	7.60E-01	6.33E-01	6.76E-01	6.50E-01	2.39E+02
ADULT	TOTALS	1.49E+01	7.55E-01	6.41E-01	6.77E-01	6.53E-01	2.39E+02

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

NUMBER 11 NAME=W1.5 X= -1.5KM, Y= 0.0KM, Z= 0.0M, DIST= 1.5KM, 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	1.06E+01	5.81E-01	5.39E-01	7.72E-01	6.27E-01	1.69E+02
CHILD	TOTALS	1.06E+01	6.11E-01	5.50E-01	6.53E-01	5.89E-01	1.69E+02
TEENAGE	TOTALS	1.06E+01	6.89E-01	5.56E-01	6.01E-01	5.73E-01	1.69E+02
ADULT	TOTALS	1.06E+01	6.84E-01	5.65E-01	6.02E-01	5.77E-01	1.69E+02

NUMBER 12 NAME=W2.0 X= -2.0KM, Y= 0.0KM, Z= 0.0M, 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	8.16E+00	5.30E-01	4.87E-01	7.33E-01	5.80E-01	1.28E+02
CHILD	TOTALS	8.16E+00	5.63E-01	4.97E-01	6.07E-01	5.39E-01	1.28E+02
TEENAGE	TOTALS	8.16E+00	6.45E-01	5.05E-01	5.51E-01	5.23E-01	1.28E+02
ADULT	TOTALS	8.16E+00	6.39E-01	5.14E-01	5.53E-01	5.26E-01	1.28E+02

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

NUMBER 13 NAME=N0.5 X= 0.0KM, Y= 0.5KM, Z= 0.0M, 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	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	5.39E+01	8.78E-01	8.42E-01	1.05E+00	9.19E-01	8.86E+02
CHILD	TOTALS	5.39E+01	9.05E-01	8.51E-01	9.42E-01	8.85E-01	8.86E+02
TEENAGE	TOTALS	5.39E+01	9.73E-01	8.57E-01	8.96E-01	8.72E-01	8.86E+02
ADULT	TOTALS	5.39E+01	9.68E-01	8.65E-01	8.97E-01	8.75E-01	8.86E+02

NUMBER 14 NAME=N1.0 X= 0.0KM, Y= 1.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.90E+01	6.66E-01	6.33E-01	8.22E-01	7.04E-01	6.41E+02
CHILD	TOTALS	3.90E+01	6.91E-01	6.41E-01	7.25E-01	6.73E-01	6.41E+02
TEENAGE	TOTALS	3.90E+01	7.55E-01	6.47E-01	6.83E-01	6.60E-01	6.41E+02
ADULT	TOTALS	3.90E+01	7.50E-01	6.54E-01	6.84E-01	6.63E-01	6.41E+02

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

NUMBER 15 NAME=N1.5 X= 0.0KM, Y= 1.5KM, Z= 0.0M, DIST= 1.5KM, 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	2.85E+01	5.42E-01	5.08E-01	6.97E-01	5.80E-01	4.66E+02
CHILD	TOTALS	2.85E+01	5.67E-01	5.16E-01	6.00E-01	5.48E-01	4.66E+02
TEENAGE	TOTALS	2.85E+01	6.30E-01	5.22E-01	5.58E-01	5.36E-01	4.66E+02
ADULT	TOTALS	2.85E+01	6.25E-01	5.29E-01	5.59E-01	5.39E-01	4.66E+02

NUMBER 16 NAME=N2.0 X= 0.0KM, Y= 2.0KM, Z= 0.0M, 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	2.14E+01	5.18E-01	4.81E-01	6.90E-01	5.60E-01	3.48E+02
CHILD	TOTALS	2.14E+01	5.46E-01	4.91E-01	5.83E-01	5.25E-01	3.48E+02
TEENAGE	TOTALS	2.14E+01	6.15E-01	4.97E-01	5.36E-01	5.12E-01	3.48E+02
ADULT	TOTALS	2.14E+01	6.10E-01	5.04E-01	5.37E-01	5.15E-01	3.48E+02

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

NUMBER 17 NAME=NE0.5 X= 0.3KM, Y= 0.3KM, Z= 0.0M, 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	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+02	9.29E-01	8.93E-01	1.09E+00	9.69E-01	2.01E+03
CHILD	TOTALS	1.22E+02	9.55E-01	9.02E-01	9.91E-01	9.36E-01	2.01E+03
TEENAGE	TOTALS	1.22E+02	1.02E+00	9.08E-01	9.46E-01	9.23E-01	2.01E+03
ADULT	TOTALS	1.22E+02	1.02E+00	9.15E-01	9.47E-01	9.26E-01	2.01E+03

NUMBER 18 NAME=NE1.0 X= 0.7KM, Y= 0.7KM, Z= 0.0M, DIST= 1.0KM, 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	3.42E+01	7.42E-01	7.09E-01	8.96E-01	7.80E-01	5.60E+02
CHILD	TOTALS	3.42E+01	7.67E-01	7.17E-01	8.00E-01	7.48E-01	5.60E+02
TEENAGE	TOTALS	3.42E+01	8.29E-01	7.23E-01	7.58E-01	7.36E-01	5.60E+02
ADULT	TOTALS	3.42E+01	8.25E-01	7.30E-01	7.59E-01	7.39E-01	5.60E+02

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

NUMBER 19 NAME=NE1.5 X= 1.1KM, Y= 1.1KM, Z= 0.0M, DIST= 1.5KM, 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	2.01E+01	6.88E-01	6.52E-01	8.57E-01	7.29E-01	3.24E+02
CHILD	TOTALS	2.01E+01	7.15E-01	6.61E-01	7.52E-01	6.95E-01	3.24E+02
TEENAGE	TOTALS	2.01E+01	7.84E-01	6.67E-01	7.06E-01	6.82E-01	3.24E+02
ADULT	TOTALS	2.01E+01	7.79E-01	6.74E-01	7.07E-01	6.85E-01	3.24E+02

NUMBER 20 NAME=NE2.0 X= 1.5KM, Y= 1.5KM, Z= 0.0M, DIST= 2.1KM, 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	1.34E+01	6.55E-01	6.12E-01	8.55E-01	7.04E-01	2.13E+02
CHILD	TOTALS	1.34E+01	6.87E-01	6.23E-01	7.30E-01	6.64E-01	2.13E+02
TEENAGE	TOTALS	1.34E+01	7.68E-01	6.30E-01	6.76E-01	6.48E-01	2.13E+02
ADULT	TOTALS	1.34E+01	7.62E-01	6.39E-01	6.77E-01	6.52E-01	2.13E+02

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

NUMBER 21 NAME=SE0.5 X= 0.3KM, Y= -0.3KM, Z= 0.0M, 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	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	6.72E+01	1.06E+00	1.01E+00	1.26E+00	1.11E+00	1.10E+03
CHILD	TOTALS	6.72E+01	1.09E+00	1.02E+00	1.13E+00	1.07E+00	1.10E+03
TEENAGE	TOTALS	6.72E+01	1.17E+00	1.03E+00	1.08E+00	1.05E+00	1.10E+03
ADULT	TOTALS	6.72E+01	1.17E+00	1.04E+00	1.08E+00	1.05E+00	1.10E+03

NUMBER 22 NAME=SE1.0 X= 0.7KM, Y= -0.7KM, Z= 0.0M, DIST= 1.0KM, 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	9.29E+01	1.16E+00	1.11E+00	1.38E+00	1.21E+00	1.53E+03
CHILD	TOTALS	9.29E+01	1.20E+00	1.12E+00	1.24E+00	1.17E+00	1.53E+03
TEENAGE	TOTALS	9.29E+01	1.29E+00	1.13E+00	1.18E+00	1.15E+00	1.53E+03
ADULT	TOTALS	9.29E+01	1.28E+00	1.14E+00	1.19E+00	1.16E+00	1.53E+03

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

NUMBER 23 NAME=SE1.5 X= 1.1KM, Y= -1.1KM, Z= 0.0M, DIST= 1.5KM, 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	6.36E+02	1.39E+00	1.34E+00	1.63E+00	1.45E+00	1.06E+04
CHILD	TOTALS	6.36E+02	1.43E+00	1.36E+00	1.48E+00	1.40E+00	1.06E+04
TEENAGE	TOTALS	6.36E+02	1.53E+00	1.36E+00	1.42E+00	1.39E+00	1.06E+04
ADULT	TOTALS	6.36E+02	1.52E+00	1.38E+00	1.42E+00	1.39E+00	1.06E+04

NUMBER 24 NAME=SE2.0 X= 1.5KM, Y= -1.5KM, Z= 0.0M, DIST= 2.1KM, 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	4.60E+01	1.06E+00	1.00E+00	1.31E+00	1.12E+00	7.51E+02
CHILD	TOTALS	4.60E+01	1.10E+00	1.02E+00	1.16E+00	1.07E+00	7.51E+02
TEENAGE	TOTALS	4.60E+01	1.20E+00	1.03E+00	1.09E+00	1.05E+00	7.51E+02
ADULT	TOTALS	4.60E+01	1.20E+00	1.04E+00	1.09E+00	1.05E+00	7.51E+02

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

NUMBER 25 NAME=ESE1.0 X= 0.4KM, Y= -0.9KM, Z= 0.0M, DIST= 1.0KM, 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	1.01E+00	9.64E-01	1.24E+00	1.07E+00	6.07E+02
CHILD	TOTALS	3.74E+01	1.05E+00	9.76E-01	1.10E+00	1.02E+00	6.07E+02
TEENAGE	TOTALS	3.74E+01	1.14E+00	9.84E-01	1.04E+00	1.00E+00	6.07E+02
ADULT	TOTALS	3.74E+01	1.14E+00	9.95E-01	1.04E+00	1.01E+00	6.07E+02

NUMBER 26 NAME=ESE1.25 X= 0.5KM, Y= -1.2KM, Z= 0.0M, 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	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	3.53E+01	1.02E+00	9.71E-01	1.27E+00	1.08E+00	5.72E+02
CHILD	TOTALS	3.53E+01	1.06E+00	9.84E-01	1.12E+00	1.03E+00	5.72E+02
TEENAGE	TOTALS	3.53E+01	1.16E+00	9.92E-01	1.05E+00	1.01E+00	5.72E+02
ADULT	TOTALS	3.53E+01	1.15E+00	1.00E+00	1.05E+00	1.02E+00	5.72E+02

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

NUMBER 27 NAME=ESE1.5 X= 0.6KM, Y= -1.4KM, Z= 0.0M, DIST= 1.5KM, 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	3.31E+01	1.05E+00	9.93E-01	1.31E+00	1.11E+00	5.35E+02
CHILD	TOTALS	3.30E+01	1.09E+00	1.01E+00	1.15E+00	1.06E+00	5.35E+02
TEENAGE	TOTALS	3.31E+01	1.20E+00	1.02E+00	1.08E+00	1.04E+00	5.35E+02
ADULT	TOTALS	3.31E+01	1.19E+00	1.03E+00	1.08E+00	1.04E+00	5.35E+02

NUMBER 28 NAME=ESE1.75 X= 0.7KM, Y= -1.6KM, Z= 0.0M, DIST= 1.8KM, 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	2.99E+01	1.07E+00	1.01E+00	1.34E+00	1.13E+00	4.82E+02
CHILD	TOTALS	2.99E+01	1.11E+00	1.02E+00	1.17E+00	1.08E+00	4.82E+02
TEENAGE	TOTALS	2.99E+01	1.22E+00	1.03E+00	1.10E+00	1.06E+00	4.82E+02
ADULT	TOTALS	2.99E+01	1.22E+00	1.04E+00	1.10E+00	1.06E+00	4.82E+02

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

NUMBER 29 NAME=ESE2.0 X= 0.8KM, Y= -1.8KM, Z= 0.0M, 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	2.62E+01	1.07E+00	1.00E+00	1.36E+00	1.14E+00	4.20E+02
CHILD	TOTALS	2.62E+01	1.11E+00	1.02E+00	1.18E+00	1.08E+00	4.20E+02
TEENAGE	TOTALS	2.62E+01	1.23E+00	1.03E+00	1.10E+00	1.06E+00	4.20E+02
ADULT	TOTALS	2.62E+01	1.22E+00	1.04E+00	1.10E+00	1.06E+00	4.20E+02

NUMBER 30 NAME=SE1.25 X= 0.9KM, Y= -0.9KM, Z= 0.0M, 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	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	1.26E+02	1.22E+00	1.17E+00	1.44E+00	1.27E+00	2.08E+03
CHILD	TOTALS	1.26E+02	1.25E+00	1.18E+00	1.30E+00	1.23E+00	2.08E+03
TEENAGE	TOTALS	1.26E+02	1.35E+00	1.19E+00	1.24E+00	1.21E+00	2.08E+03
ADULT	TOTALS	1.26E+02	1.34E+00	1.20E+00	1.24E+00	1.21E+00	2.08E+03

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

NUMBER 31 NAME=SE1.75 X= 1.2KM, Y= -1.2KM, Z= 0.0M, 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	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	1.88E+02	1.30E+00	1.25E+00	1.54E+00	1.36E+00	3.12E+03
CHILD	TOTALS	1.88E+02	1.34E+00	1.26E+00	1.39E+00	1.31E+00	3.12E+03
TEENAGE	TOTALS	1.88E+02	1.44E+00	1.27E+00	1.33E+00	1.29E+00	3.12E+03
ADULT	TOTALS	1.88E+02	1.43E+00	1.28E+00	1.33E+00	1.30E+00	3.12E+03

NUMBER 32 NAME=SSE1.0 X= 0.9KM, Y= -0.4KM, Z= 0.0M, DIST= 1.0KM, 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	3.23E+02	1.08E+00	1.04E+00	1.26E+00	1.12E+00	5.37E+03
CHILD	TOTALS	3.23E+02	1.11E+00	1.05E+00	1.15E+00	1.08E+00	5.37E+03
TEENAGE	TOTALS	3.23E+02	1.18E+00	1.05E+00	1.10E+00	1.07E+00	5.37E+03
ADULT	TOTALS	3.23E+02	1.17E+00	1.06E+00	1.10E+00	1.07E+00	5.37E+03

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

NUMBER 33 NAME=SSE1.25 X= 1.2KM, Y= -0.5KM, Z= 0.0M, 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	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	7.46E+01	9.08E-01	8.69E-01	1.09E+00	9.53E-01	1.23E+03
CHILD	TOTALS	7.46E+01	9.37E-01	8.78E-01	9.77E-01	9.16E-01	1.23E+03
TEENAGE	TOTALS	7.46E+01	1.01E+00	8.85E-01	9.27E-01	9.01E-01	1.23E+03
ADULT	TOTALS	7.46E+01	1.01E+00	8.93E-01	9.28E-01	9.04E-01	1.23E+03

NUMBER 34 NAME=SSE1.50 X= 1.4KM, Y= -0.6KM, Z= 0.0M, DIST= 1.5KM, 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	4.90E+01	8.45E-01	8.05E-01	1.03E+00	8.89E-01	8.04E+02
CHILD	TOTALS	4.90E+01	8.74E-01	8.15E-01	9.14E-01	8.52E-01	8.04E+02
TEENAGE	TOTALS	4.90E+01	9.49E-01	8.21E-01	8.64E-01	8.38E-01	8.04E+02
ADULT	TOTALS	4.90E+01	9.43E-01	8.30E-01	8.65E-01	8.41E-01	8.04E+02

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

NUMBER 35 NAME=SSE2.75 X= 1.6KM, Y= -0.7KM, Z= 0.0M, DIST= 1.8KM, 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	3.62E+01	8.12E-01	7.71E-01	9.99E-01	8.57E-01	5.91E+02
CHILD	TOTALS	3.62E+01	8.41E-01	7.81E-01	8.82E-01	8.19E-01	5.91E+02
TEENAGE	TOTALS	3.62E+01	9.18E-01	7.88E-01	8.31E-01	8.04E-01	5.91E+02
ADULT	TOTALS	3.62E+01	9.12E-01	7.96E-01	8.32E-01	8.08E-01	5.91E+02

NUMBER 36 NAME=SSE2.0 X= 1.8KM, Y= -0.8KM, Z= 0.0M, 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	2.71E+01	7.96E-01	7.53E-01	9.91E-01	8.43E-01	4.41E+02
CHILD	TOTALS	2.71E+01	8.27E-01	7.64E-01	8.69E-01	8.03E-01	4.41E+02
TEENAGE	TOTALS	2.71E+01	9.06E-01	7.71E-01	8.16E-01	7.88E-01	4.41E+02
ADULT	TOTALS	2.71E+01	9.00E-01	7.79E-01	8.17E-01	7.92E-01	4.41E+02

Program execution time = 0.93 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

REGION: Marsland All MUs Occupa CODE: MILDOS-AREA (02/12) PAGE 2

METSET: DATA: MRDST1-F.MIL 05/30/14

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.165011.020013.1170			100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 36 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	E0.5	0.50	0.00	0.00	0.50	1	19	NE1.5	1.06	1.06	0.00	1.50	1
2	E1.0	1.00	0.00	0.00	1.00	1	20	NE2.0	1.50	1.50	0.00	2.12	1
3	E1.5	1.50	0.00	0.00	1.50	1	21	SE0.5	0.35	-0.35	0.00	0.49	1
4	E2.0	2.00	0.00	0.00	2.00	1	22	SE1.0	0.71	-0.71	0.00	1.00	1
5	S0.5	0.00	-0.50	0.00	0.50	1	23	SE1.5	1.06	-1.06	0.00	1.50	1
6	S1.0	0.00	-1.00	0.00	1.00	1	24	SE2.0	1.50	-1.50	0.00	2.12	1
7	S1.5	0.00	-1.50	0.00	1.50	1	25	ESE1.0	0.38	-0.92	0.00	1.00	1
8	S2.0	0.00	-2.00	0.00	2.00	1	26	ESE1.25	0.48	-1.15	0.00	1.25	1
9	W0.5	-0.50	0.00	0.00	0.50	1	27	ESE1.5	0.57	-1.39	0.00	1.50	1
10	W1.0	-1.00	0.00	0.00	1.00	1	28	ESE1.75	0.67	-1.62	0.00	1.75	1
11	W1.5	-1.50	0.00	0.00	1.50	1	29	ESE2.0	0.76	-1.85	0.00	2.00	1
12	W2.0	-2.00	0.00	0.00	2.00	1	30	SE1.25	0.88	-0.88	0.00	1.25	1
13	N0.5	0.00	0.50	0.00	0.50	1	31	SE1.75	1.24	-1.24	0.00	1.75	1
14	N1.0	0.00	1.00	0.00	1.00	1	32	SSE1.0	0.92	-0.38	0.00	1.00	1
15	N1.5	0.00	1.50	0.00	1.50	1	33	SSE1.25	1.15	-0.48	0.00	1.25	1
16	N2.0	0.00	2.00	0.00	2.00	1	34	SSE1.50	1.39	-0.57	0.00	1.50	1
17	NE0.5	0.35	0.35	0.00	0.49	1	35	SSE2.75	1.62	-0.67	0.00	1.75	1
18	NE1.0	0.71	0.71	0.00	1.00	1	36	SSE2.0	1.85	-0.76	0.00	2.00	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.50	0.50	0.50	0.50	8700.00	4000.00	0.00	2.50

IPACT EQUALS 0,

JC EQUALS 0, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 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	0.00	0.00	0.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+04	1001	1	1.00E+01	Source 1

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	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									

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.	5.188E-01	4.201E+00	6.773E-02	3.151E+00	1.515E+00	2.020E+02
GROUND	2.851E-02	2.851E-02	2.851E-02	2.851E-02	2.851E-02	2.851E-02
CLOUD	1.729E+00	1.729E+00	1.729E+00	1.729E+00	1.729E+00	1.729E+00
VEG. ING	2.430E+00	2.808E+01	2.430E+00	8.347E+00	6.799E+00	2.430E+00
MEAT ING	1.332E-01	1.539E+00	1.332E-01	4.573E-01	3.725E-01	1.332E-01
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	4.840E+00	3.558E+01	4.389E+00	1.371E+01	1.044E+01	2.063E+02

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	3.887E+01	4.492E+02	3.887E+01	1.335E+02	1.087E+02	3.887E+01
MEAT ING	2.667E+00	3.082E+01	2.667E+00	9.161E+00	7.462E+00	2.667E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	9.990E+01	1.332E+03	1.887E+01	9.990E+01	9.990E+01	4.773E+02
TOTALS	1.414E+02	1.812E+03	6.041E+01	2.426E+02	2.161E+02	5.188E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	5.188E-01	4.201E+00	6.773E-02	3.151E+00	1.515E+00	2.020E+02
GROUND	2.851E-02	2.851E-02	2.851E-02	2.851E-02	2.851E-02	2.851E-02
CLOUD	1.729E+00	1.729E+00	1.729E+00	1.729E+00	1.729E+00	1.729E+00
VEG. ING	4.130E+01	4.773E+02	4.130E+01	1.419E+02	1.155E+02	4.130E+01
MEAT ING	2.801E+00	3.236E+01	2.801E+00	9.618E+00	7.834E+00	2.801E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	9.990E+01	1.332E+03	1.887E+01	9.990E+01	9.990E+01	4.773E+02
TOTALS	1.463E+02	1.848E+03	6.480E+01	2.563E+02	2.266E+02	7.251E+02

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

NUMBER 1 NAME=E0.5 X= 0.5KM, Y= 0.0KM, Z= 0.0M, 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	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	6.89E+01	1.19E-01	1.19E-01	1.20E-01	1.19E-01	1.15E+03
CHILD	TOTALS	6.89E+01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.15E+03
TEENAGE	TOTALS	6.89E+01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.15E+03
ADULT	TOTALS	6.89E+01	1.19E-01	1.19E-01	1.19E-01	1.19E-01	1.15E+03

NUMBER 2 NAME=E1.0 X= 1.0KM, Y= 0.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.02E+01	3.17E-01	3.13E-01	3.36E-01	3.22E-01	4.98E+02
CHILD	TOTALS	3.02E+01	3.20E-01	3.14E-01	3.24E-01	3.18E-01	4.98E+02
TEENAGE	TOTALS	3.02E+01	3.28E-01	3.15E-01	3.19E-01	3.16E-01	4.98E+02
ADULT	TOTALS	3.02E+01	3.27E-01	3.16E-01	3.19E-01	3.17E-01	4.98E+02

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

NUMBER 3 NAME=E1.5 X= 1.5KM, Y= 0.0KM, Z= 0.0M, DIST= 1.5KM, 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	1.92E+01	4.51E-01	4.40E-01	5.04E-01	4.64E-01	3.13E+02
CHILD	TOTALS	1.92E+01	4.60E-01	4.42E-01	4.71E-01	4.53E-01	3.13E+02
TEENAGE	TOTALS	1.92E+01	4.81E-01	4.44E-01	4.57E-01	4.49E-01	3.13E+02
ADULT	TOTALS	1.92E+01	4.80E-01	4.47E-01	4.57E-01	4.50E-01	3.13E+02

NUMBER 4 NAME=E2.0 X= 2.0KM, Y= 0.0KM, Z= 0.0M, 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	1.36E+01	4.97E-01	4.78E-01	5.87E-01	5.19E-01	2.19E+02
CHILD	TOTALS	1.36E+01	5.11E-01	4.82E-01	5.31E-01	5.01E-01	2.19E+02
TEENAGE	TOTALS	1.36E+01	5.48E-01	4.86E-01	5.06E-01	4.94E-01	2.19E+02
ADULT	TOTALS	1.36E+01	5.45E-01	4.90E-01	5.07E-01	4.95E-01	2.19E+02

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

NUMBER 5 NAME=S0.5 X= 0.0KM, Y= -0.5KM, Z= 0.0M, 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	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	1.18E+02	2.40E-01	2.40E-01	2.43E-01	2.41E-01	1.96E+03
CHILD	TOTALS	1.18E+02	2.40E-01	2.40E-01	2.41E-01	2.40E-01	1.96E+03
TEENAGE	TOTALS	1.18E+02	2.41E-01	2.40E-01	2.40E-01	2.40E-01	1.96E+03
ADULT	TOTALS	1.18E+02	2.41E-01	2.40E-01	2.40E-01	2.40E-01	1.96E+03

NUMBER 6 NAME=S1.0 X= 0.0KM, Y= -1.0KM, Z= 0.0M, DIST= 1.0KM, 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	5.40E+01	6.25E-01	6.17E-01	6.63E-01	6.34E-01	8.90E+02
CHILD	TOTALS	5.40E+01	6.31E-01	6.19E-01	6.39E-01	6.27E-01	8.90E+02
TEENAGE	TOTALS	5.40E+01	6.46E-01	6.20E-01	6.29E-01	6.24E-01	8.90E+02
ADULT	TOTALS	5.40E+01	6.45E-01	6.22E-01	6.29E-01	6.24E-01	8.90E+02

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

NUMBER 7 NAME=S1.5 X= 0.0KM, Y= -1.5KM, Z= 0.0M, DIST= 1.5KM, 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	3.45E+01	8.63E-01	8.41E-01	9.66E-01	8.88E-01	5.62E+02
CHILD	TOTALS	3.45E+01	8.80E-01	8.47E-01	9.02E-01	8.68E-01	5.62E+02
TEENAGE	TOTALS	3.45E+01	9.21E-01	8.50E-01	8.74E-01	8.59E-01	5.62E+02
ADULT	TOTALS	3.45E+01	9.18E-01	8.55E-01	8.75E-01	8.61E-01	5.62E+02

NUMBER 8 NAME=S2.0 X= 0.0KM, Y= -2.0KM, Z= 0.0M, 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	2.45E+01	9.40E-01	9.03E-01	1.11E+00	9.82E-01	3.94E+02
CHILD	TOTALS	2.45E+01	9.67E-01	9.12E-01	1.00E+00	9.47E-01	3.94E+02
TEENAGE	TOTALS	2.45E+01	1.04E+00	9.18E-01	9.58E-01	9.33E-01	3.94E+02
ADULT	TOTALS	2.45E+01	1.03E+00	9.26E-01	9.59E-01	9.37E-01	3.94E+02

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

NUMBER 9 NAME=W0.5 X= -0.5KM, Y= 0.0KM, Z= 0.0M, 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	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	6.03E+01	1.25E-01	1.24E-01	1.26E-01	1.25E-01	1.00E+03
CHILD	TOTALS	6.03E+01	1.25E-01	1.24E-01	1.25E-01	1.25E-01	1.00E+03
TEENAGE	TOTALS	6.03E+01	1.25E-01	1.24E-01	1.25E-01	1.25E-01	1.00E+03
ADULT	TOTALS	6.03E+01	1.25E-01	1.24E-01	1.25E-01	1.25E-01	1.00E+03

NUMBER 10 NAME=W1.0 X= -1.0KM, Y= 0.0KM, Z= 0.0M, DIST= 1.0KM, 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	2.68E+01	2.96E-01	2.92E-01	3.13E-01	3.00E-01	4.41E+02
CHILD	TOTALS	2.68E+01	2.98E-01	2.93E-01	3.02E-01	2.96E-01	4.41E+02
TEENAGE	TOTALS	2.68E+01	3.05E-01	2.93E-01	2.97E-01	2.95E-01	4.41E+02
ADULT	TOTALS	2.68E+01	3.05E-01	2.94E-01	2.97E-01	2.95E-01	4.41E+02

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

NUMBER 11 NAME=W1.5 X= -1.5KM, Y= 0.0KM, Z= 0.0M, DIST= 1.5KM, 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	1.69E+01	4.04E-01	3.94E-01	4.51E-01	4.16E-01	2.75E+02
CHILD	TOTALS	1.69E+01	4.12E-01	3.97E-01	4.22E-01	4.06E-01	2.75E+02
TEENAGE	TOTALS	1.69E+01	4.31E-01	3.98E-01	4.09E-01	4.02E-01	2.75E+02
ADULT	TOTALS	1.69E+01	4.29E-01	4.00E-01	4.09E-01	4.03E-01	2.75E+02

NUMBER 12 NAME=W2.0 X= -2.0KM, Y= 0.0KM, Z= 0.0M, 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	1.19E+01	4.40E-01	4.23E-01	5.18E-01	4.59E-01	1.92E+02
CHILD	TOTALS	1.19E+01	4.52E-01	4.27E-01	4.69E-01	4.43E-01	1.92E+02
TEENAGE	TOTALS	1.19E+01	4.84E-01	4.30E-01	4.48E-01	4.37E-01	1.92E+02
ADULT	TOTALS	1.19E+01	4.82E-01	4.33E-01	4.48E-01	4.38E-01	1.92E+02

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

NUMBER 13 NAME=N0.5 X= 0.0KM, Y= 0.5KM, Z= 0.0M, 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	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	8.25E+01	1.80E-01	1.80E-01	1.82E-01	1.81E-01	1.37E+03
CHILD	TOTALS	8.25E+01	1.80E-01	1.80E-01	1.81E-01	1.80E-01	1.37E+03
TEENAGE	TOTALS	8.25E+01	1.81E-01	1.80E-01	1.80E-01	1.80E-01	1.37E+03
ADULT	TOTALS	8.25E+01	1.81E-01	1.80E-01	1.80E-01	1.80E-01	1.37E+03

NUMBER 14 NAME=N1.0 X= 0.0KM, Y= 1.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.79E+01	4.55E-01	4.49E-01	4.83E-01	4.62E-01	6.25E+02
CHILD	TOTALS	3.79E+01	4.60E-01	4.51E-01	4.66E-01	4.57E-01	6.25E+02
TEENAGE	TOTALS	3.79E+01	4.71E-01	4.52E-01	4.58E-01	4.54E-01	6.25E+02
ADULT	TOTALS	3.79E+01	4.70E-01	4.53E-01	4.59E-01	4.55E-01	6.25E+02

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

NUMBER 15 NAME=N1.5 X= 0.0KM, Y= 1.5KM, Z= 0.0M, DIST= 1.5KM, 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	6.39E-01	6.22E-01	7.15E-01	6.57E-01	4.01E+02
CHILD	TOTALS	2.46E+01	6.51E-01	6.26E-01	6.67E-01	6.42E-01	4.01E+02
TEENAGE	TOTALS	2.46E+01	6.82E-01	6.29E-01	6.47E-01	6.36E-01	4.01E+02
ADULT	TOTALS	2.46E+01	6.80E-01	6.32E-01	6.47E-01	6.37E-01	4.01E+02

NUMBER 16 NAME=N2.0 X= 0.0KM, Y= 2.0KM, Z= 0.0M, 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	1.77E+01	7.02E-01	6.74E-01	8.30E-01	7.33E-01	2.84E+02
CHILD	TOTALS	1.77E+01	7.23E-01	6.81E-01	7.50E-01	7.07E-01	2.84E+02
TEENAGE	TOTALS	1.77E+01	7.75E-01	6.86E-01	7.15E-01	6.97E-01	2.84E+02
ADULT	TOTALS	1.77E+01	7.71E-01	6.92E-01	7.16E-01	7.00E-01	2.84E+02

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

NUMBER 17 NAME=NE0.5 X= 0.3KM, Y= 0.3KM, Z= 0.0M, 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	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	7.04E+01	1.52E-01	1.52E-01	1.54E-01	1.52E-01	1.17E+03
CHILD	TOTALS	7.04E+01	1.52E-01	1.52E-01	1.53E-01	1.52E-01	1.17E+03
TEENAGE	TOTALS	7.04E+01	1.53E-01	1.52E-01	1.52E-01	1.52E-01	1.17E+03
ADULT	TOTALS	7.04E+01	1.53E-01	1.52E-01	1.52E-01	1.52E-01	1.17E+03

NUMBER 18 NAME=NE1.0 X= 0.7KM, Y= 0.7KM, Z= 0.0M, DIST= 1.0KM, 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	3.15E+01	3.69E-01	3.65E-01	3.91E-01	3.75E-01	5.20E+02
CHILD	TOTALS	3.15E+01	3.73E-01	3.66E-01	3.78E-01	3.70E-01	5.20E+02
TEENAGE	TOTALS	3.15E+01	3.82E-01	3.67E-01	3.72E-01	3.69E-01	5.20E+02
ADULT	TOTALS	3.15E+01	3.81E-01	3.68E-01	3.72E-01	3.69E-01	5.20E+02

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

NUMBER 19 NAME=NE1.5 X= 1.1KM, Y= 1.1KM, Z= 0.0M, DIST= 1.5KM, 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	2.03E+01	5.05E-01	4.92E-01	5.64E-01	5.19E-01	3.31E+02
CHILD	TOTALS	2.03E+01	5.14E-01	4.95E-01	5.27E-01	5.07E-01	3.31E+02
TEENAGE	TOTALS	2.03E+01	5.38E-01	4.98E-01	5.11E-01	5.03E-01	3.31E+02
ADULT	TOTALS	2.03E+01	5.37E-01	5.00E-01	5.12E-01	5.04E-01	3.31E+02

NUMBER 20 NAME=NE2.0 X= 1.5KM, Y= 1.5KM, Z= 0.0M, DIST= 2.1KM, 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	1.35E+01	5.57E-01	5.34E-01	6.65E-01	5.83E-01	2.17E+02
CHILD	TOTALS	1.35E+01	5.74E-01	5.39E-01	5.98E-01	5.61E-01	2.17E+02
TEENAGE	TOTALS	1.35E+01	6.18E-01	5.43E-01	5.68E-01	5.53E-01	2.17E+02
ADULT	TOTALS	1.35E+01	6.15E-01	5.48E-01	5.69E-01	5.55E-01	2.17E+02

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

NUMBER 21 NAME=SE0.5 X= 0.3KM, Y= -0.3KM, Z= 0.0M, 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	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+02	1.81E-01	1.81E-01	1.82E-01	1.81E-01	2.11E+03
CHILD	TOTALS	1.27E+02	1.81E-01	1.81E-01	1.81E-01	1.81E-01	2.11E+03
TEENAGE	TOTALS	1.27E+02	1.82E-01	1.81E-01	1.81E-01	1.81E-01	2.11E+03
ADULT	TOTALS	1.27E+02	1.82E-01	1.81E-01	1.81E-01	1.81E-01	2.11E+03

NUMBER 22 NAME=SE1.0 X= 0.7KM, Y= -0.7KM, Z= 0.0M, DIST= 1.0KM, 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	4.93E+01	4.21E-01	4.16E-01	4.45E-01	4.27E-01	8.14E+02
CHILD	TOTALS	4.93E+01	4.25E-01	4.17E-01	4.30E-01	4.22E-01	8.14E+02
TEENAGE	TOTALS	4.93E+01	4.35E-01	4.18E-01	4.24E-01	4.20E-01	8.14E+02
ADULT	TOTALS	4.93E+01	4.34E-01	4.19E-01	4.24E-01	4.21E-01	8.14E+02

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

NUMBER 23 NAME=SE1.5 X= 1.1KM, Y= -1.1KM, Z= 0.0M, DIST= 1.5KM, 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	2.98E+01	5.73E-01	5.58E-01	6.38E-01	5.88E-01	4.88E+02
CHILD	TOTALS	2.98E+01	5.83E-01	5.62E-01	5.97E-01	5.75E-01	4.88E+02
TEENAGE	TOTALS	2.98E+01	6.09E-01	5.64E-01	5.79E-01	5.70E-01	4.88E+02
ADULT	TOTALS	2.98E+01	6.07E-01	5.67E-01	5.80E-01	5.71E-01	4.88E+02

NUMBER 24 NAME=SE2.0 X= 1.5KM, Y= -1.5KM, Z= 0.0M, DIST= 2.1KM, 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	1.91E+01	6.28E-01	6.02E-01	7.47E-01	6.57E-01	3.08E+02
CHILD	TOTALS	1.91E+01	6.47E-01	6.08E-01	6.73E-01	6.33E-01	3.08E+02
TEENAGE	TOTALS	1.91E+01	6.95E-01	6.13E-01	6.40E-01	6.23E-01	3.08E+02
ADULT	TOTALS	1.91E+01	6.92E-01	6.18E-01	6.41E-01	6.25E-01	3.08E+02

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

NUMBER 25 NAME=ESE1.0 X= 0.4KM, Y= -0.9KM, Z= 0.0M, DIST= 1.0KM, 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	7.85E+01	8.07E-01	7.97E-01	8.54E-01	8.18E-01	1.30E+03
CHILD	TOTALS	7.85E+01	8.14E-01	7.99E-01	8.24E-01	8.09E-01	1.30E+03
TEENAGE	TOTALS	7.85E+01	8.33E-01	8.01E-01	8.12E-01	8.05E-01	1.30E+03
ADULT	TOTALS	7.85E+01	8.32E-01	8.03E-01	8.12E-01	8.06E-01	1.30E+03

NUMBER 26 NAME=ESE1.25 X= 0.5KM, Y= -1.2KM, Z= 0.0M, 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	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	6.08E+01	9.96E-01	9.77E-01	1.08E+00	1.02E+00	9.97E+02
CHILD	TOTALS	6.08E+01	1.01E+00	9.82E-01	1.03E+00	9.99E-01	9.97E+02
TEENAGE	TOTALS	6.08E+01	1.04E+00	9.85E-01	1.00E+00	9.92E-01	9.97E+02
ADULT	TOTALS	6.08E+01	1.04E+00	9.89E-01	1.01E+00	9.94E-01	9.97E+02

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

NUMBER 27 NAME=ESE1.5 X= 0.6KM, Y= -1.4KM, Z= 0.0M, DIST= 1.5KM, 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	4.89E+01	1.11E+00	1.08E+00	1.24E+00	1.14E+00	7.98E+02
CHILD	TOTALS	4.89E+01	1.13E+00	1.09E+00	1.16E+00	1.12E+00	7.98E+02
TEENAGE	TOTALS	4.89E+01	1.18E+00	1.10E+00	1.12E+00	1.11E+00	7.98E+02
ADULT	TOTALS	4.89E+01	1.18E+00	1.10E+00	1.13E+00	1.11E+00	7.98E+02

NUMBER 28 NAME=ESE1.75 X= 0.7KM, Y= -1.6KM, Z= 0.0M, DIST= 1.8KM, 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	4.04E+01	1.18E+00	1.14E+00	1.35E+00	1.22E+00	6.56E+02
CHILD	TOTALS	4.04E+01	1.20E+00	1.15E+00	1.24E+00	1.18E+00	6.56E+02
TEENAGE	TOTALS	4.04E+01	1.27E+00	1.16E+00	1.20E+00	1.17E+00	6.56E+02
ADULT	TOTALS	4.04E+01	1.27E+00	1.16E+00	1.20E+00	1.17E+00	6.56E+02

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

NUMBER 29 NAME=ESE2.0 X= 0.8KM, Y= -1.8KM, Z= 0.0M, 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	3.42E+01	1.21E+00	1.16E+00	1.43E+00	1.26E+00	5.52E+02
CHILD	TOTALS	3.42E+01	1.24E+00	1.18E+00	1.29E+00	1.22E+00	5.52E+02
TEENAGE	TOTALS	3.42E+01	1.33E+00	1.18E+00	1.23E+00	1.20E+00	5.52E+02
ADULT	TOTALS	3.42E+01	1.33E+00	1.19E+00	1.23E+00	1.21E+00	5.52E+02

NUMBER 30 NAME=SE1.25 X= 0.9KM, Y= -0.9KM, Z= 0.0M, 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	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	5.14E-01	5.05E-01	5.58E-01	5.25E-01	6.17E+02
CHILD	TOTALS	3.75E+01	5.21E-01	5.07E-01	5.31E-01	5.16E-01	6.17E+02
TEENAGE	TOTALS	3.75E+01	5.39E-01	5.09E-01	5.19E-01	5.13E-01	6.17E+02
ADULT	TOTALS	3.75E+01	5.38E-01	5.11E-01	5.19E-01	5.14E-01	6.17E+02

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

NUMBER 31 NAME=SE1.75 X= 1.2KM, Y= -1.2KM, Z= 0.0M, 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	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	2.45E+01	6.06E-01	5.87E-01	6.94E-01	6.27E-01	3.99E+02
CHILD	TOTALS	2.45E+01	6.20E-01	5.92E-01	6.39E-01	6.10E-01	3.99E+02
TEENAGE	TOTALS	2.45E+01	6.56E-01	5.95E-01	6.15E-01	6.03E-01	3.99E+02
ADULT	TOTALS	2.45E+01	6.53E-01	5.99E-01	6.16E-01	6.05E-01	3.99E+02

NUMBER 32 NAME=SSE1.0 X= 0.9KM, Y= -0.4KM, Z= 0.0M, DIST= 1.0KM, 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	3.78E+01	3.71E-01	3.66E-01	3.93E-01	3.76E-01	6.24E+02
CHILD	TOTALS	3.78E+01	3.75E-01	3.68E-01	3.79E-01	3.72E-01	6.24E+02
TEENAGE	TOTALS	3.78E+01	3.83E-01	3.68E-01	3.73E-01	3.70E-01	6.24E+02
ADULT	TOTALS	3.78E+01	3.83E-01	3.69E-01	3.73E-01	3.71E-01	6.24E+02

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

NUMBER 33 NAME=SSE1.25 X= 1.2KM, Y= -0.5KM, Z= 0.0M, 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	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	2.91E+01	4.56E-01	4.47E-01	4.95E-01	4.65E-01	4.77E+02
CHILD	TOTALS	2.91E+01	4.62E-01	4.49E-01	4.71E-01	4.57E-01	4.77E+02
TEENAGE	TOTALS	2.91E+01	4.78E-01	4.51E-01	4.60E-01	4.54E-01	4.77E+02
ADULT	TOTALS	2.91E+01	4.77E-01	4.52E-01	4.60E-01	4.55E-01	4.77E+02

NUMBER 34 NAME=SSE1.50 X= 1.4KM, Y= -0.6KM, Z= 0.0M, DIST= 1.5KM, 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	2.33E+01	5.08E-01	4.95E-01	5.67E-01	5.22E-01	3.81E+02
CHILD	TOTALS	2.33E+01	5.17E-01	4.98E-01	5.30E-01	5.10E-01	3.81E+02
TEENAGE	TOTALS	2.33E+01	5.41E-01	5.00E-01	5.14E-01	5.05E-01	3.81E+02
ADULT	TOTALS	2.33E+01	5.39E-01	5.03E-01	5.14E-01	5.07E-01	3.81E+02

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

NUMBER 35 NAME=SSE2.75 X= 1.6KM, Y= -0.7KM, Z= 0.0M, DIST= 1.8KM, 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	1.92E+01	5.37E-01	5.20E-01	6.16E-01	5.57E-01	3.13E+02
CHILD	TOTALS	1.92E+01	5.50E-01	5.24E-01	5.67E-01	5.41E-01	3.13E+02
TEENAGE	TOTALS	1.92E+01	5.82E-01	5.27E-01	5.46E-01	5.34E-01	3.13E+02
ADULT	TOTALS	1.92E+01	5.80E-01	5.31E-01	5.46E-01	5.36E-01	3.13E+02

NUMBER 36 NAME=SSE2.0 X= 1.8KM, Y= -0.8KM, Z= 0.0M, 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	1.63E+01	5.52E-01	5.31E-01	6.51E-01	5.76E-01	2.63E+02
CHILD	TOTALS	1.63E+01	5.68E-01	5.36E-01	5.89E-01	5.56E-01	2.63E+02
TEENAGE	TOTALS	1.63E+01	6.08E-01	5.40E-01	5.63E-01	5.49E-01	2.63E+02
ADULT	TOTALS	1.63E+01	6.05E-01	5.44E-01	5.63E-01	5.50E-01	2.63E+02

Program execution time = 0.06 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 36 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	E0.5	0.50	0.00	0.00	0.50	1	19	NE1.5	1.06	1.06	0.00	1.50	1
2	E1.0	1.00	0.00	0.00	1.00	1	20	NE2.0	1.50	1.50	0.00	2.12	1
3	E1.5	1.50	0.00	0.00	1.50	1	21	SE0.5	0.35	-0.35	0.00	0.49	1
4	E2.0	2.00	0.00	0.00	2.00	1	22	SE1.0	0.71	-0.71	0.00	1.00	1
5	S0.5	0.00	-0.50	0.00	0.50	1	23	SE1.5	1.06	-1.06	0.00	1.50	1
6	S1.0	0.00	-1.00	0.00	1.00	1	24	SE2.0	1.50	-1.50	0.00	2.12	1
7	S1.5	0.00	-1.50	0.00	1.50	1	25	ESE1.0	0.38	-0.92	0.00	1.00	1
8	S2.0	0.00	-2.00	0.00	2.00	1	26	ESE1.25	0.48	-1.15	0.00	1.25	1
9	W0.5	-0.50	0.00	0.00	0.50	1	27	ESE1.50	0.57	-1.39	0.00	1.50	1
10	W1.0	-1.00	0.00	0.00	1.00	1	28	ESE1.75	0.67	-1.62	0.00	1.75	1
11	W1.5	-1.50	0.00	0.00	1.50	1	29	ESE2.0	0.76	-1.85	0.00	2.00	1
12	W2.0	-2.00	0.00	0.00	2.00	1	30	SE1.25	0.88	-0.88	0.00	1.25	1
13	N0.5	0.00	0.50	0.00	0.50	1	31	SE1.75	1.24	-1.24	0.00	1.75	1
14	N1.0	0.00	1.00	0.00	1.00	1	32	SSE1.0	0.92	-0.38	0.00	1.00	1
15	N1.5	0.00	1.50	0.00	1.50	1	33	SSE1.25	1.15	-0.48	0.00	1.25	1
16	N2.0	0.00	2.00	0.00	2.00	1	34	SSE1.5	1.39	-0.57	0.00	1.50	1
17	NE0.5	0.35	0.35	0.00	0.49	1	35	SSE1.75	1.62	-0.67	0.00	1.75	1
18	NE1.0	0.71	0.71	0.00	1.00	1	36	SSE2.0	1.85	-0.76	0.00	2.00	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.50	0.50	0.50	0.50	8700.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0,

JC EQUALS 0, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES= 3

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-12.30	25.30	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E+03	1001	1	1.00E+01	N Trend
2	-7.33	16.21	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E+03	1002	1	1.00E+01	Crow Butte Resource
3	-16.52	15.44	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E+03	1003	1	1.00E+01	Three Crow

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	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									
2	1.000E+00									
3	1.000E+00									

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.	1.043E+00	8.443E+00	1.405E-01	6.332E+00	3.046E+00	4.990E+02
GROUND	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02
CLOUD	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00
VEG. ING	5.009E+00	5.788E+01	5.009E+00	1.720E+01	1.401E+01	5.009E+00
MEAT ING	2.744E-01	3.171E+00	2.744E-01	9.425E-01	7.677E-01	2.744E-01
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	9.946E+00	7.311E+01	9.043E+00	2.810E+01	2.144E+01	5.079E+02

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	8.012E+01	9.258E+02	8.012E+01	2.752E+02	2.241E+02	8.012E+01
MEAT ING	5.498E+00	6.353E+01	5.498E+00	1.888E+01	1.538E+01	5.498E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.139E+02	2.852E+03	4.041E+01	2.139E+02	2.139E+02	1.022E+03
TOTALS	2.995E+02	3.842E+03	1.260E+02	5.080E+02	4.534E+02	1.108E+03

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.043E+00	8.443E+00	1.405E-01	6.332E+00	3.046E+00	4.990E+02
GROUND	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02
CLOUD	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00
VEG. ING	8.513E+01	9.837E+02	8.513E+01	2.924E+02	2.381E+02	8.513E+01
MEAT ING	5.772E+00	6.670E+01	5.772E+00	1.982E+01	1.615E+01	5.772E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.139E+02	2.852E+03	4.041E+01	2.139E+02	2.139E+02	1.022E+03
TOTALS	3.095E+02	3.915E+03	1.351E+02	5.361E+02	4.749E+02	1.616E+03

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

NUMBER 1 NAME=E0.5 X= 0.5KM, Y= 0.0KM, Z= 0.0M, 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	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	3.10E+00	6.16E-01	3.66E-01	1.78E+00	8.99E-01	4.48E+01
CHILD	TOTALS	3.07E+00	8.02E-01	4.26E-01	1.05E+00	6.63E-01	4.48E+01
TEENAGE	TOTALS	3.09E+00	1.27E+00	4.68E-01	7.37E-01	5.71E-01	4.48E+01
ADULT	TOTALS	3.10E+00	1.24E+00	5.20E-01	7.45E-01	5.93E-01	4.48E+01

NUMBER 2 NAME=E1.0 X= 1.0KM, Y= 0.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.02E+00	6.02E-01	3.57E-01	1.74E+00	8.80E-01	4.37E+01
CHILD	TOTALS	3.00E+00	7.84E-01	4.16E-01	1.03E+00	6.49E-01	4.37E+01
TEENAGE	TOTALS	3.01E+00	1.25E+00	4.57E-01	7.21E-01	5.58E-01	4.37E+01
ADULT	TOTALS	3.02E+00	1.21E+00	5.08E-01	7.28E-01	5.79E-01	4.37E+01

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

NUMBER 3 NAME=E1.5 X= 1.5KM, Y= 0.0KM, Z= 0.0M, DIST= 1.5KM, 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	2.94E+00	5.88E-01	3.48E-01	1.71E+00	8.60E-01	4.26E+01
CHILD	TOTALS	2.92E+00	7.67E-01	4.06E-01	1.01E+00	6.34E-01	4.26E+01
TEENAGE	TOTALS	2.93E+00	1.22E+00	4.46E-01	7.04E-01	5.45E-01	4.26E+01
ADULT	TOTALS	2.94E+00	1.19E+00	4.96E-01	7.12E-01	5.66E-01	4.26E+01

NUMBER 4 NAME=E2.0 X= 2.0KM, Y= 0.0KM, Z= 0.0M, 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	2.86E+00	5.74E-01	3.38E-01	1.67E+00	8.41E-01	4.14E+01
CHILD	TOTALS	2.84E+00	7.49E-01	3.95E-01	9.87E-01	6.19E-01	4.14E+01
TEENAGE	TOTALS	2.85E+00	1.19E+00	4.35E-01	6.88E-01	5.32E-01	4.14E+01
ADULT	TOTALS	2.86E+00	1.16E+00	4.84E-01	6.95E-01	5.52E-01	4.14E+01

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

NUMBER 5 NAME=S0.5 X= 0.0KM, Y= -0.5KM, Z= 0.0M, 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	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	3.12E+00	6.28E-01	3.70E-01	1.82E+00	9.18E-01	4.51E+01
CHILD	TOTALS	3.09E+00	8.18E-01	4.33E-01	1.08E+00	6.76E-01	4.51E+01
TEENAGE	TOTALS	3.11E+00	1.30E+00	4.75E-01	7.52E-01	5.82E-01	4.51E+01
ADULT	TOTALS	3.12E+00	1.27E+00	5.29E-01	7.60E-01	6.04E-01	4.51E+01

NUMBER 6 NAME=S1.0 X= 0.0KM, Y= -1.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.12E+00	6.34E-01	3.72E-01	1.86E+00	9.31E-01	4.50E+01
CHILD	TOTALS	3.09E+00	8.29E-01	4.35E-01	1.09E+00	6.84E-01	4.50E+01
TEENAGE	TOTALS	3.11E+00	1.32E+00	4.79E-01	7.61E-01	5.88E-01	4.50E+01
ADULT	TOTALS	3.12E+00	1.29E+00	5.34E-01	7.69E-01	6.10E-01	4.50E+01

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

NUMBER 7 NAME=S1.5 X= 0.0KM, Y= -1.5KM, Z= 0.0M, DIST= 1.5KM, 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	3.07E+00	6.32E-01	3.68E-01	1.86E+00	9.31E-01	4.42E+01
CHILD	TOTALS	3.04E+00	8.29E-01	4.32E-01	1.10E+00	6.82E-01	4.42E+01
TEENAGE	TOTALS	3.06E+00	1.33E+00	4.76E-01	7.60E-01	5.85E-01	4.42E+01
ADULT	TOTALS	3.07E+00	1.29E+00	5.31E-01	7.68E-01	6.08E-01	4.42E+01

NUMBER 8 NAME=S2.0 X= 0.0KM, Y= -2.0KM, Z= 0.0M, 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	2.98E+00	6.22E-01	3.59E-01	1.85E+00	9.20E-01	4.29E+01
CHILD	TOTALS	2.95E+00	8.18E-01	4.23E-01	1.08E+00	6.72E-01	4.29E+01
TEENAGE	TOTALS	2.97E+00	1.31E+00	4.67E-01	7.50E-01	5.75E-01	4.29E+01
ADULT	TOTALS	2.98E+00	1.28E+00	5.22E-01	7.58E-01	5.98E-01	4.29E+01

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

NUMBER 9 NAME=W0.5 X= -0.5KM, Y= 0.0KM, Z= 0.0M, 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	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	3.28E+00	6.49E-01	3.87E-01	1.87E+00	9.45E-01	4.75E+01
CHILD	TOTALS	3.26E+00	8.43E-01	4.51E-01	1.11E+00	6.98E-01	4.75E+01
TEENAGE	TOTALS	3.27E+00	1.34E+00	4.94E-01	7.75E-01	6.02E-01	4.75E+01
ADULT	TOTALS	3.28E+00	1.30E+00	5.49E-01	7.83E-01	6.25E-01	4.75E+01

NUMBER 10 NAME=W1.0 X= -1.0KM, Y= 0.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.32E+00	6.53E-01	3.90E-01	1.87E+00	9.50E-01	4.80E+01
CHILD	TOTALS	3.29E+00	8.48E-01	4.54E-01	1.11E+00	7.03E-01	4.80E+01
TEENAGE	TOTALS	3.31E+00	1.34E+00	4.98E-01	7.80E-01	6.06E-01	4.80E+01
ADULT	TOTALS	3.32E+00	1.31E+00	5.53E-01	7.88E-01	6.29E-01	4.80E+01

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

NUMBER 11 NAME=W1.5 X= -1.5KM, Y= 0.0KM, Z= 0.0M, DIST= 1.5KM, 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	3.35E+00	6.58E-01	3.94E-01	1.89E+00	9.56E-01	4.85E+01
CHILD	TOTALS	3.33E+00	8.54E-01	4.58E-01	1.12E+00	7.08E-01	4.85E+01
TEENAGE	TOTALS	3.34E+00	1.35E+00	5.02E-01	7.86E-01	6.11E-01	4.85E+01
ADULT	TOTALS	3.35E+00	1.32E+00	5.57E-01	7.94E-01	6.34E-01	4.85E+01

NUMBER 12 NAME=W2.0 X= -2.0KM, Y= 0.0KM, Z= 0.0M, 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	3.41E+00	6.66E-01	4.00E-01	1.90E+00	9.66E-01	4.94E+01
CHILD	TOTALS	3.38E+00	8.63E-01	4.64E-01	1.13E+00	7.16E-01	4.94E+01
TEENAGE	TOTALS	3.40E+00	1.36E+00	5.08E-01	7.94E-01	6.18E-01	4.94E+01
ADULT	TOTALS	3.40E+00	1.33E+00	5.64E-01	8.02E-01	6.41E-01	4.94E+01

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

NUMBER 13 NAME=N0.5 X= 0.0KM, Y= 0.5KM, Z= 0.0M, 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	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	3.23E+00	6.32E-01	3.79E-01	1.81E+00	9.17E-01	4.68E+01
CHILD	TOTALS	3.20E+00	8.19E-01	4.40E-01	1.07E+00	6.80E-01	4.68E+01
TEENAGE	TOTALS	3.22E+00	1.30E+00	4.82E-01	7.54E-01	5.87E-01	4.68E+01
ADULT	TOTALS	3.23E+00	1.26E+00	5.35E-01	7.62E-01	6.08E-01	4.68E+01

NUMBER 14 NAME=N1.0 X= 0.0KM, Y= 1.0KM, Z= 0.0M, DIST= 1.0KM, 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	3.28E+00	6.33E-01	3.83E-01	1.80E+00	9.16E-01	4.76E+01
CHILD	TOTALS	3.26E+00	8.19E-01	4.43E-01	1.07E+00	6.81E-01	4.76E+01
TEENAGE	TOTALS	3.27E+00	1.29E+00	4.85E-01	7.54E-01	5.89E-01	4.76E+01
ADULT	TOTALS	3.28E+00	1.26E+00	5.37E-01	7.62E-01	6.10E-01	4.76E+01

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

NUMBER 15 NAME=N1.5 X= 0.0KM, Y= 1.5KM, Z= 0.0M, DIST= 1.5KM, 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	3.34E+00	6.34E-01	3.86E-01	1.79E+00	9.15E-01	4.85E+01
CHILD	TOTALS	3.31E+00	8.18E-01	4.46E-01	1.07E+00	6.81E-01	4.85E+01
TEENAGE	TOTALS	3.33E+00	1.29E+00	4.88E-01	7.54E-01	5.90E-01	4.85E+01
ADULT	TOTALS	3.34E+00	1.25E+00	5.40E-01	7.62E-01	6.11E-01	4.85E+01

NUMBER 16 NAME=N2.0 X= 0.0KM, Y= 2.0KM, Z= 0.0M, 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	3.39E+00	6.35E-01	3.90E-01	1.77E+00	9.12E-01	4.93E+01
CHILD	TOTALS	3.37E+00	8.17E-01	4.49E-01	1.06E+00	6.81E-01	4.93E+01
TEENAGE	TOTALS	3.38E+00	1.28E+00	4.90E-01	7.53E-01	5.91E-01	4.93E+01
ADULT	TOTALS	3.39E+00	1.25E+00	5.41E-01	7.61E-01	6.12E-01	4.93E+01

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

NUMBER 17 NAME=NE0.5 X= 0.3KM, Y= 0.3KM, Z= 0.0M, 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	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	3.16E+00	6.21E-01	3.71E-01	1.78E+00	9.04E-01	4.57E+01
CHILD	TOTALS	3.13E+00	8.07E-01	4.32E-01	1.06E+00	6.69E-01	4.57E+01
TEENAGE	TOTALS	3.15E+00	1.28E+00	4.73E-01	7.42E-01	5.77E-01	4.57E+01
ADULT	TOTALS	3.16E+00	1.24E+00	5.26E-01	7.50E-01	5.98E-01	4.57E+01

NUMBER 18 NAME=NE1.0 X= 0.7KM, Y= 0.7KM, Z= 0.0M, DIST= 1.0KM, 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	3.13E+00	6.11E-01	3.67E-01	1.75E+00	8.88E-01	4.54E+01
CHILD	TOTALS	3.11E+00	7.93E-01	4.26E-01	1.04E+00	6.58E-01	4.54E+01
TEENAGE	TOTALS	3.12E+00	1.25E+00	4.66E-01	7.30E-01	5.68E-01	4.54E+01
ADULT	TOTALS	3.13E+00	1.22E+00	5.18E-01	7.37E-01	5.89E-01	4.54E+01

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

NUMBER 19 NAME=NE1.5 X= 1.1KM, Y= 1.1KM, Z= 0.0M, DIST= 1.5KM, 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	3.10E+00	6.01E-01	3.61E-01	1.71E+00	8.71E-01	4.50E+01
CHILD	TOTALS	3.08E+00	7.78E-01	4.19E-01	1.02E+00	6.46E-01	4.50E+01
TEENAGE	TOTALS	3.09E+00	1.23E+00	4.59E-01	7.16E-01	5.58E-01	4.50E+01
ADULT	TOTALS	3.10E+00	1.20E+00	5.09E-01	7.24E-01	5.79E-01	4.50E+01

NUMBER 20 NAME=NE2.0 X= 1.5KM, Y= 1.5KM, Z= 0.0M, DIST= 2.1KM, 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	3.05E+00	5.86E-01	3.54E-01	1.66E+00	8.48E-01	4.43E+01
CHILD	TOTALS	3.03E+00	7.58E-01	4.10E-01	9.92E-01	6.30E-01	4.43E+01
TEENAGE	TOTALS	3.04E+00	1.20E+00	4.49E-01	6.98E-01	5.44E-01	4.43E+01
ADULT	TOTALS	3.05E+00	1.16E+00	4.97E-01	7.05E-01	5.64E-01	4.43E+01

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

NUMBER 21 NAME=SE0.5 X= 0.3KM, Y= -0.3KM, Z= 0.0M, 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	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	3.08E+00	6.19E-01	3.66E-01	1.80E+00	9.05E-01	4.46E+01
CHILD	TOTALS	3.06E+00	8.07E-01	4.27E-01	1.06E+00	6.67E-01	4.46E+01
TEENAGE	TOTALS	3.08E+00	1.28E+00	4.69E-01	7.41E-01	5.74E-01	4.46E+01
ADULT	TOTALS	3.08E+00	1.25E+00	5.22E-01	7.49E-01	5.95E-01	4.46E+01

NUMBER 22 NAME=SE1.0 X= 0.7KM, Y= -0.7KM, Z= 0.0M, DIST= 1.0KM, 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	3.00E+00	6.08E-01	3.57E-01	1.78E+00	8.93E-01	4.33E+01
CHILD	TOTALS	2.97E+00	7.95E-01	4.18E-01	1.05E+00	6.56E-01	4.33E+01
TEENAGE	TOTALS	2.99E+00	1.27E+00	4.60E-01	7.30E-01	5.63E-01	4.33E+01
ADULT	TOTALS	3.00E+00	1.24E+00	5.12E-01	7.37E-01	5.85E-01	4.33E+01

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

NUMBER 23 NAME=SE1.5 X= 1.1KM, Y= -1.1KM, Z= 0.0M, DIST= 1.5KM, 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	2.92E+00	5.98E-01	3.49E-01	1.76E+00	8.81E-01	4.21E+01
CHILD	TOTALS	2.89E+00	7.84E-01	4.09E-01	1.04E+00	6.46E-01	4.21E+01
TEENAGE	TOTALS	2.91E+00	1.25E+00	4.51E-01	7.19E-01	5.54E-01	4.21E+01
ADULT	TOTALS	2.92E+00	1.22E+00	5.03E-01	7.27E-01	5.75E-01	4.21E+01

NUMBER 24 NAME=SE2.0 X= 1.5KM, Y= -1.5KM, Z= 0.0M, DIST= 2.1KM, 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	2.82E+00	5.87E-01	3.39E-01	1.74E+00	8.66E-01	4.07E+01
CHILD	TOTALS	2.80E+00	7.70E-01	3.99E-01	1.02E+00	6.33E-01	4.07E+01
TEENAGE	TOTALS	2.81E+00	1.24E+00	4.40E-01	7.06E-01	5.42E-01	4.07E+01
ADULT	TOTALS	2.82E+00	1.20E+00	4.92E-01	7.14E-01	5.64E-01	4.07E+01

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

NUMBER 25 NAME=ESE1.0 X= 0.4KM, Y= -0.9KM, Z= 0.0M, DIST= 1.0KM, 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	3.03E+00	6.17E-01	3.61E-01	1.80E+00	9.06E-01	4.37E+01
CHILD	TOTALS	3.00E+00	8.06E-01	4.23E-01	1.06E+00	6.65E-01	4.37E+01
TEENAGE	TOTALS	3.02E+00	1.29E+00	4.65E-01	7.40E-01	5.71E-01	4.37E+01
ADULT	TOTALS	3.02E+00	1.25E+00	5.19E-01	7.48E-01	5.93E-01	4.37E+01

NUMBER 26 NAME=ESE1.25 X= 0.5KM, Y= -1.2KM, Z= 0.0M, 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	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	3.00E+00	6.15E-01	3.59E-01	1.81E+00	9.04E-01	4.32E+01
CHILD	TOTALS	2.97E+00	8.05E-01	4.21E-01	1.06E+00	6.63E-01	4.32E+01
TEENAGE	TOTALS	2.99E+00	1.29E+00	4.63E-01	7.39E-01	5.69E-01	4.32E+01
ADULT	TOTALS	3.00E+00	1.25E+00	5.17E-01	7.46E-01	5.91E-01	4.32E+01

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

NUMBER 27 NAME=ESE1.50 X= 0.6KM, Y= -1.4KM, Z= 0.0M, DIST= 1.5KM, 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	2.97E+00	6.13E-01	3.56E-01	1.81E+00	9.03E-01	4.28E+01
CHILD	TOTALS	2.95E+00	8.03E-01	4.18E-01	1.06E+00	6.62E-01	4.28E+01
TEENAGE	TOTALS	2.96E+00	1.29E+00	4.61E-01	7.37E-01	5.67E-01	4.28E+01
ADULT	TOTALS	2.97E+00	1.25E+00	5.15E-01	7.45E-01	5.89E-01	4.28E+01

NUMBER 28 NAME=ESE1.75 X= 0.7KM, Y= -1.6KM, Z= 0.0M, DIST= 1.8KM, 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	2.94E+00	6.11E-01	3.54E-01	1.81E+00	9.02E-01	4.24E+01
CHILD	TOTALS	2.92E+00	8.02E-01	4.16E-01	1.06E+00	6.60E-01	4.24E+01
TEENAGE	TOTALS	2.93E+00	1.29E+00	4.59E-01	7.35E-01	5.65E-01	4.24E+01
ADULT	TOTALS	2.94E+00	1.25E+00	5.13E-01	7.43E-01	5.87E-01	4.24E+01

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

NUMBER 29 NAME=ESE2.0 X= 0.8KM, Y= -1.8KM, Z= 0.0M, 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	2.91E+00	6.09E-01	3.51E-01	1.81E+00	9.01E-01	4.20E+01
CHILD	TOTALS	2.89E+00	8.01E-01	4.14E-01	1.06E+00	6.58E-01	4.20E+01
TEENAGE	TOTALS	2.91E+00	1.29E+00	4.57E-01	7.34E-01	5.63E-01	4.20E+01
ADULT	TOTALS	2.91E+00	1.25E+00	5.11E-01	7.42E-01	5.85E-01	4.20E+01

NUMBER 30 NAME=SE1.25 X= 0.9KM, Y= -0.9KM, Z= 0.0M, 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	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	2.96E+00	6.03E-01	3.53E-01	1.77E+00	8.87E-01	4.27E+01
CHILD	TOTALS	2.93E+00	7.89E-01	4.13E-01	1.04E+00	6.51E-01	4.27E+01
TEENAGE	TOTALS	2.95E+00	1.26E+00	4.55E-01	7.24E-01	5.59E-01	4.27E+01
ADULT	TOTALS	2.96E+00	1.23E+00	5.08E-01	7.32E-01	5.80E-01	4.27E+01

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

NUMBER 31 NAME=SE1.75 X= 1.2KM, Y= -1.2KM, Z= 0.0M, 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	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	2.88E+00	5.94E-01	3.45E-01	1.75E+00	8.75E-01	4.15E+01
CHILD	TOTALS	2.86E+00	7.78E-01	4.05E-01	1.03E+00	6.41E-01	4.15E+01
TEENAGE	TOTALS	2.87E+00	1.25E+00	4.46E-01	7.14E-01	5.49E-01	4.15E+01
ADULT	TOTALS	2.88E+00	1.21E+00	4.98E-01	7.21E-01	5.71E-01	4.15E+01

NUMBER 32 NAME=SSE1.0 X= 0.9KM, Y= -0.4KM, Z= 0.0M, DIST= 1.0KM, 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	3.00E+00	6.04E-01	3.56E-01	1.76E+00	8.84E-01	4.33E+01
CHILD	TOTALS	2.98E+00	7.88E-01	4.16E-01	1.04E+00	6.51E-01	4.33E+01
TEENAGE	TOTALS	2.99E+00	1.26E+00	4.57E-01	7.23E-01	5.59E-01	4.33E+01
ADULT	TOTALS	3.00E+00	1.22E+00	5.09E-01	7.31E-01	5.81E-01	4.33E+01

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

NUMBER 33 NAME=SSE1.25 X= 1.2KM, Y= -0.5KM, Z= 0.0M, 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	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	2.96E+00	5.97E-01	3.51E-01	1.74E+00	8.76E-01	4.27E+01
CHILD	TOTALS	2.93E+00	7.80E-01	4.11E-01	1.03E+00	6.44E-01	4.27E+01
TEENAGE	TOTALS	2.95E+00	1.24E+00	4.52E-01	7.16E-01	5.53E-01	4.27E+01
ADULT	TOTALS	2.95E+00	1.21E+00	5.03E-01	7.24E-01	5.74E-01	4.27E+01

NUMBER 34 NAME=SSE1.5 X= 1.4KM, Y= -0.6KM, Z= 0.0M, DIST= 1.5KM, 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	2.91E+00	5.91E-01	3.46E-01	1.73E+00	8.67E-01	4.21E+01
CHILD	TOTALS	2.89E+00	7.72E-01	4.06E-01	1.02E+00	6.37E-01	4.21E+01
TEENAGE	TOTALS	2.91E+00	1.23E+00	4.46E-01	7.09E-01	5.47E-01	4.21E+01
ADULT	TOTALS	2.91E+00	1.20E+00	4.98E-01	7.17E-01	5.68E-01	4.21E+01

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

NUMBER 35 NAME=SSE1.75 X= 1.6KM, Y= -0.7KM, Z= 0.0M, DIST= 1.8KM, 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	2.87E+00	5.85E-01	3.42E-01	1.71E+00	8.59E-01	4.15E+01
CHILD	TOTALS	2.85E+00	7.65E-01	4.01E-01	1.01E+00	6.31E-01	4.15E+01
TEENAGE	TOTALS	2.86E+00	1.22E+00	4.41E-01	7.02E-01	5.41E-01	4.15E+01
ADULT	TOTALS	2.87E+00	1.19E+00	4.92E-01	7.10E-01	5.62E-01	4.15E+01

NUMBER 36 NAME=SSE2.0 X= 1.8KM, Y= -0.8KM, Z= 0.0M, 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	2.83E+00	5.79E-01	3.38E-01	1.70E+00	8.51E-01	4.09E+01
CHILD	TOTALS	2.81E+00	7.58E-01	3.96E-01	1.00E+00	6.24E-01	4.09E+01
TEENAGE	TOTALS	2.82E+00	1.21E+00	4.36E-01	6.95E-01	5.36E-01	4.09E+01
ADULT	TOTALS	2.83E+00	1.18E+00	4.87E-01	7.03E-01	5.56E-01	4.09E+01

Program execution time = 0.25 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

METSET: DATA: MRMU1-5.MIL 05/22/14

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 31 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	Alliance	30.00	-45.40	-50.00	54.42	1	17	Residence 2	1.00	0.30	-4.00	1.04	1
2	Berea	21.50	-32.60	-50.00	39.05	1	18	Residence 3	-0.80	-1.90	-16.00	2.06	1
3	Chardon	22.30	35.80	-50.00	42.18	1	19	Residence 4	-0.40	-3.40	-31.00	3.42	1
4	Clinton	75.40	26.50	-50.00	79.92	1	20	Residence 5	1.90	-4.30	-36.00	4.70	1
5	Crawford	-12.10	20.80	-50.00	24.06	1	21	Residence 6	-4.70	1.86	22.00	5.05	1
6	Harrison	-50.50	22.50	-50.50	55.29	1	22	Residence 7	2.40	3.60	76.00	4.33	1
7	Hay Springs	47.10	18.80	-50.00	50.71	1	23	Residence 8	4.70	-4.40	-50.00	6.44	1
8	Hemmingford	14.30	-20.40	36.00	24.91	1	24	Unoccupied 1	-0.90	2.00	21.00	2.19	1
9	Marsland	-3.80	-6.10	-50.00	7.19	1	25	Unoccupied 2	2.00	2.80	69.00	3.44	1
10	Mitchell	-48.50	-60.00	-50.00	77.15	1	26	North Boundary #1	-0.70	0.70	29.00	0.99	1
11	Oelrichs	4.90	75.30	-50.00	75.46	1	27	East Boundary	1.40	0.30	-20.00	1.43	1
12	Rushville	66.00	22.00	-50.00	69.57	1	28	South Boundary	0.00	-0.50	13.00	0.50	1
13	Scottsbluff	-36.30	-68.90	-50.00	77.88	1	29	West Boundary	-0.70	0.00	49.00	0.70	1
14	Van Tassell	-67.50	21.00	49.00	70.69	1	30	Minatare	-22.40	-75.60	-41.40	78.85	1
15	Whitney	1.20	31.40	-50.00	31.42	1	31	North Boundary #2	-0.50	3.30	19.00	3.34	1
16	Residence 1	-0.80	-0.40	6.00	0.89	1							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.50	0.50	0.50	0.50	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0, 0, 0,

JC EQUALS 0, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES= 5

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	-0.56	2.23	27.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+03	1001	1	0.00E+00	MU-1
2	-0.55	1.65	16.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E+03	1002	1	0.00E+00	MU-2
3	-0.15	0.95	13.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E+02	1003	1	0.00E+00	MU-3
4	0.44	0.13	-4.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+03	1004	1	0.00E+00	MU-4
5	0.84	-0.45	-14.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E+02	1005	1	0.00E+00	MU-5

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	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									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									

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.	2.645E-01	2.141E+00	3.457E-02	1.606E+00	7.723E-01	1.019E+02
GROUND	1.441E-02	1.441E-02	1.441E-02	1.441E-02	1.441E-02	1.441E-02
CLOUD	8.727E-01	8.727E-01	8.727E-01	8.727E-01	8.727E-01	8.727E-01
VEG. ING	1.242E+00	1.435E+01	1.242E+00	4.264E+00	3.473E+00	1.242E+00
MEAT ING	6.802E-02	7.860E-01	6.802E-02	2.336E-01	1.903E-01	6.802E-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	2.461E+00	1.816E+01	2.231E+00	6.991E+00	5.323E+00	1.041E+02

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	2.098E+02	2.424E+03	2.098E+02	7.204E+02	5.868E+02	2.098E+02
MEAT ING	1.363E+00	1.575E+01	1.363E+00	4.680E+00	3.812E+00	1.363E+00
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	2.111E+02	2.440E+03	2.111E+02	7.251E+02	5.906E+02	2.111E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.645E-01	2.141E+00	3.457E-02	1.606E+00	7.723E-01	1.019E+02
GROUND	1.441E-02	1.441E-02	1.441E-02	1.441E-02	1.441E-02	1.441E-02
CLOUD	8.727E-01	8.727E-01	8.727E-01	8.727E-01	8.727E-01	8.727E-01
VEG. ING	2.110E+02	2.438E+03	2.110E+02	7.247E+02	5.903E+02	2.110E+02
MEAT ING	1.431E+00	1.653E+01	1.431E+00	4.914E+00	4.002E+00	1.431E+00
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	2.136E+02	2.458E+03	2.134E+02	7.321E+02	5.959E+02	3.152E+02

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

NUMBER 1 NAME=Alliance X= 30.0KM, Y= -45.4KM, Z= -50.0M, DIST= 54.4KM, 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	2.56E-01	8.30E-02	3.58E-02	3.04E-01	1.37E-01	3.51E+00
CHILD	TOTALS	2.52E-01	1.18E-01	4.71E-02	1.66E-01	9.20E-02	3.51E+00
TEENAGE	TOTALS	2.54E-01	2.08E-01	5.49E-02	1.06E-01	7.45E-02	3.51E+00
ADULT	TOTALS	2.56E-01	2.02E-01	6.48E-02	1.07E-01	7.86E-02	3.51E+00

NUMBER 2 NAME=Berea X= 21.5KM, Y= -32.6KM, Z= -50.0M, DIST= 39.1KM, 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	3.63E-01	9.59E-02	4.77E-02	3.21E-01	1.51E-01	5.09E+00
CHILD	TOTALS	3.58E-01	1.32E-01	5.93E-02	1.81E-01	1.05E-01	5.09E+00
TEENAGE	TOTALS	3.61E-01	2.23E-01	6.73E-02	1.19E-01	8.73E-02	5.09E+00
ADULT	TOTALS	3.62E-01	2.17E-01	7.74E-02	1.21E-01	9.14E-02	5.09E+00

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

NUMBER 3 NAME=Chardon X= 22.3KM, Y= 35.8KM, Z= -50.0M, DIST= 42.2KM, 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	2.07E-01	6.61E-02	2.89E-02	2.39E-01	1.08E-01	2.84E+00
CHILD	TOTALS	2.04E-01	9.37E-02	3.79E-02	1.31E-01	7.31E-02	2.84E+00
TEENAGE	TOTALS	2.06E-01	1.64E-01	4.40E-02	8.41E-02	5.94E-02	2.84E+00
ADULT	TOTALS	2.07E-01	1.59E-01	5.18E-02	8.52E-02	6.26E-02	2.84E+00

NUMBER 4 NAME=Clinton X= 75.4KM, Y= 26.5KM, Z= -50.0M, 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	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-01	4.62E-02	1.58E-02	1.89E-01	8.11E-02	1.35E+00
CHILD	TOTALS	1.01E-01	6.90E-02	2.30E-02	1.00E-01	5.20E-02	1.35E+00
TEENAGE	TOTALS	1.02E-01	1.27E-01	2.80E-02	6.10E-02	4.07E-02	1.35E+00
ADULT	TOTALS	1.03E-01	1.23E-01	3.44E-02	6.20E-02	4.33E-02	1.35E+00

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

NUMBER 5 NAME=Crawford X= -12.1KM, Y= 20.8KM, Z= -50.0M, DIST= 24.1KM, 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	4.18E-01	8.68E-02	5.16E-02	2.50E-01	1.27E-01	6.00E+00
CHILD	TOTALS	4.14E-01	1.13E-01	6.01E-02	1.48E-01	9.35E-02	6.00E+00
TEENAGE	TOTALS	4.16E-01	1.79E-01	6.60E-02	1.04E-01	8.05E-02	6.00E+00
ADULT	TOTALS	4.17E-01	1.74E-01	7.34E-02	1.05E-01	8.35E-02	6.00E+00

NUMBER 6 NAME=Harrison X= -50.5KM, Y= 22.5KM, Z= -50.5M, DIST= 55.3KM, 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	1.40E-01	5.05E-02	2.03E-02	1.92E-01	8.49E-02	1.89E+00
CHILD	TOTALS	1.37E-01	7.31E-02	2.75E-02	1.04E-01	5.63E-02	1.89E+00
TEENAGE	TOTALS	1.39E-01	1.31E-01	3.25E-02	6.52E-02	4.51E-02	1.89E+00
ADULT	TOTALS	1.40E-01	1.26E-01	3.89E-02	6.61E-02	4.77E-02	1.89E+00

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

NUMBER 7 NAME=Hay Springs X= 47.1KM, Y= 18.8KM, Z= -50.0M, DIST= 50.7KM, 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	1.71E-01	5.68E-02	2.42E-02	2.10E-01	9.40E-02	2.33E+00
CHILD	TOTALS	1.68E-01	8.12E-02	3.20E-02	1.14E-01	6.31E-02	2.33E+00
TEENAGE	TOTALS	1.70E-01	1.43E-01	3.74E-02	7.27E-02	5.10E-02	2.33E+00
ADULT	TOTALS	1.71E-01	1.39E-01	4.43E-02	7.37E-02	5.38E-02	2.33E+00

NUMBER 8 NAME=Hemmingford X= 14.3KM, Y= -20.4KM, Z= 36.0M, DIST= 24.9KM, 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	6.85E-01	1.49E-01	8.38E-02	4.53E-01	2.23E-01	9.82E+00
CHILD	TOTALS	6.79E-01	1.98E-01	9.96E-02	2.63E-01	1.61E-01	9.82E+00
TEENAGE	TOTALS	6.82E-01	3.21E-01	1.10E-01	1.81E-01	1.37E-01	9.82E+00
ADULT	TOTALS	6.84E-01	3.12E-01	1.24E-01	1.83E-01	1.43E-01	9.82E+00

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

NUMBER 9 NAME=Marsland X= -3.8KM, Y= -6.1KM, Z= -50.0M, DIST= 7.2KM, 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	8.25E-01	9.33E-02	7.47E-02	1.79E-01	1.14E-01	1.25E+01
CHILD	TOTALS	8.24E-01	1.07E-01	7.92E-02	1.26E-01	9.68E-02	1.25E+01
TEENAGE	TOTALS	8.25E-01	1.42E-01	8.23E-02	1.02E-01	9.00E-02	1.25E+01
ADULT	TOTALS	8.25E-01	1.39E-01	8.62E-02	1.03E-01	9.15E-02	1.25E+01

NUMBER 10 NAME=Mitchell X= -48.5KM, Y= -60.0KM, Z= -50.0M, DIST= 77.2KM, 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	7.57E-02	3.69E-02	1.18E-02	1.55E-01	6.57E-02	9.73E-01
CHILD	TOTALS	7.34E-02	5.57E-02	1.77E-02	8.14E-02	4.17E-02	9.73E-01
TEENAGE	TOTALS	7.48E-02	1.04E-01	2.19E-02	4.91E-02	3.23E-02	9.73E-01
ADULT	TOTALS	7.56E-02	1.00E-01	2.72E-02	4.99E-02	3.45E-02	9.73E-01

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

NUMBER 11 NAME=Oelrichs X= 4.9KM, Y= 75.3KM, Z= -50.0M, DIST= 75.5KM, 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	5.64E-02	1.88E-02	2.34E-01	9.96E-02	1.59E+00
CHILD	TOTALS	1.19E-01	8.46E-02	2.77E-02	1.23E-01	6.36E-02	1.59E+00
TEENAGE	TOTALS	1.21E-01	1.57E-01	3.39E-02	7.48E-02	4.96E-02	1.59E+00
ADULT	TOTALS	1.22E-01	1.51E-01	4.19E-02	7.59E-02	5.28E-02	1.59E+00

NUMBER 12 NAME=Rushville X= 66.0KM, Y= 22.0KM, Z= -50.0M, DIST= 69.6KM, 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	1.20E-01	4.86E-02	1.78E-02	1.94E-01	8.39E-02	1.59E+00
CHILD	TOTALS	1.17E-01	7.17E-02	2.51E-02	1.03E-01	5.46E-02	1.59E+00
TEENAGE	TOTALS	1.19E-01	1.31E-01	3.02E-02	6.37E-02	4.31E-02	1.59E+00
ADULT	TOTALS	1.20E-01	1.26E-01	3.67E-02	6.46E-02	4.57E-02	1.59E+00

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

NUMBER 13 NAME=Scottsbluff X= -36.3KM, Y= -68.9KM, Z= -50.0M, DIST= 77.9KM, 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	8.45E-02	4.01E-02	1.31E-02	1.68E-01	7.12E-02	1.09E+00
CHILD	TOTALS	8.20E-02	6.04E-02	1.95E-02	8.81E-02	4.53E-02	1.09E+00
TEENAGE	TOTALS	8.35E-02	1.12E-01	2.39E-02	5.33E-02	3.52E-02	1.09E+00
ADULT	TOTALS	8.44E-02	1.08E-01	2.97E-02	5.42E-02	3.76E-02	1.09E+00

NUMBER 14 NAME=Van Tassell X= -67.5KM, Y= 21.0KM, Z= 49.0M, DIST= 70.7KM, 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	4.98E-02	1.73E-02	2.03E-01	8.71E-02	1.49E+00
CHILD	TOTALS	1.11E-01	7.42E-02	2.50E-02	1.07E-01	5.61E-02	1.49E+00
TEENAGE	TOTALS	1.13E-01	1.36E-01	3.04E-02	6.57E-02	4.39E-02	1.49E+00
ADULT	TOTALS	1.14E-01	1.32E-01	3.73E-02	6.67E-02	4.67E-02	1.49E+00

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

NUMBER 15 NAME=Whitney X= 1.2KM, Y= 31.4KM, Z= -50.0M, 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	3.10E-01	7.93E-02	4.05E-02	2.60E-01	1.23E-01	4.37E+00
CHILD	TOTALS	3.07E-01	1.08E-01	4.99E-02	1.47E-01	8.67E-02	4.37E+00
TEENAGE	TOTALS	3.09E-01	1.82E-01	5.63E-02	9.81E-02	7.24E-02	4.37E+00
ADULT	TOTALS	3.10E-01	1.76E-01	6.45E-02	9.93E-02	7.57E-02	4.37E+00

NUMBER 16 NAME=Residence 1 X= -0.8KM, Y= -0.4KM, 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	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	1.18E+01	4.63E-01	4.45E-01	5.46E-01	4.83E-01	1.89E+02
CHILD	TOTALS	1.18E+01	4.77E-01	4.50E-01	4.94E-01	4.67E-01	1.89E+02
TEENAGE	TOTALS	1.18E+01	5.10E-01	4.53E-01	4.72E-01	4.60E-01	1.89E+02
ADULT	TOTALS	1.18E+01	5.08E-01	4.56E-01	4.72E-01	4.62E-01	1.89E+02

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

NUMBER 17 NAME=Residence 2 X= 1.0KM, Y= 0.3KM, Z= -4.0M, DIST= 1.0KM, 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	3.32E+01	4.41E-01	4.31E-01	4.84E-01	4.51E-01	5.47E+02
CHILD	TOTALS	3.32E+01	4.48E-01	4.34E-01	4.57E-01	4.43E-01	5.47E+02
TEENAGE	TOTALS	3.32E+01	4.65E-01	4.35E-01	4.45E-01	4.39E-01	5.47E+02
ADULT	TOTALS	3.32E+01	4.64E-01	4.37E-01	4.46E-01	4.40E-01	5.47E+02

NUMBER 18 NAME=Residence 3 X= -0.8KM, Y= -1.9KM, Z= -16.0M, DIST= 2.1KM, 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	5.11E+00	3.20E-01	2.98E-01	4.23E-01	3.45E-01	8.03E+01
CHILD	TOTALS	5.10E+00	3.37E-01	3.04E-01	3.59E-01	3.25E-01	8.03E+01
TEENAGE	TOTALS	5.11E+00	3.78E-01	3.07E-01	3.31E-01	3.16E-01	8.03E+01
ADULT	TOTALS	5.11E+00	3.75E-01	3.12E-01	3.32E-01	3.18E-01	8.03E+01

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

NUMBER 19 NAME=Residence 4 X= -0.4KM, Y= -3.4KM, Z= -31.0M, DIST= 3.4KM, 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	3.09E+00	2.41E-01	2.16E-01	3.58E-01	2.70E-01	4.80E+01
CHILD	TOTALS	3.08E+00	2.60E-01	2.22E-01	2.85E-01	2.46E-01	4.80E+01
TEENAGE	TOTALS	3.09E+00	3.07E-01	2.26E-01	2.53E-01	2.37E-01	4.80E+01
ADULT	TOTALS	3.09E+00	3.04E-01	2.32E-01	2.54E-01	2.39E-01	4.80E+01

NUMBER 20 NAME=Residence 5 X= 1.9KM, Y= -4.3KM, Z= -36.0M, DIST= 4.7KM, 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	3.60E+00	3.01E-01	2.62E-01	4.79E-01	3.44E-01	5.56E+01
CHILD	TOTALS	3.59E+00	3.29E-01	2.72E-01	3.68E-01	3.08E-01	5.56E+01
TEENAGE	TOTALS	3.59E+00	4.01E-01	2.78E-01	3.19E-01	2.94E-01	5.56E+01
ADULT	TOTALS	3.60E+00	3.96E-01	2.86E-01	3.20E-01	2.97E-01	5.56E+01

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

NUMBER 21 NAME=Residence 6 X= -4.7KM, Y= 1.9KM, Z= 22.0M, DIST= 5.1KM, 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	2.57E+00	2.37E-01	2.09E-01	3.69E-01	2.69E-01	3.95E+01
CHILD	TOTALS	2.57E+00	2.58E-01	2.16E-01	2.87E-01	2.43E-01	3.95E+01
TEENAGE	TOTALS	2.57E+00	3.12E-01	2.21E-01	2.51E-01	2.32E-01	3.95E+01
ADULT	TOTALS	2.57E+00	3.08E-01	2.26E-01	2.52E-01	2.35E-01	3.95E+01

NUMBER 22 NAME=Residence 7 X= 2.4KM, Y= 3.6KM, Z= 76.0M, 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	4.59E+00	3.63E-01	3.31E-01	5.14E-01	4.00E-01	7.12E+01
CHILD	TOTALS	4.59E+00	3.87E-01	3.39E-01	4.20E-01	3.70E-01	7.12E+01
TEENAGE	TOTALS	4.59E+00	4.48E-01	3.44E-01	3.79E-01	3.58E-01	7.12E+01
ADULT	TOTALS	4.59E+00	4.44E-01	3.51E-01	3.80E-01	3.60E-01	7.12E+01

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

NUMBER 23 NAME=Residence 8 X= 4.7KM, Y= -4.4KM, Z= -50.0M, DIST= 6.4KM, 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	1.58E+00	1.23E-01	1.04E-01	2.11E-01	1.45E-01	2.47E+01
CHILD	TOTALS	1.58E+00	1.37E-01	1.09E-01	1.56E-01	1.27E-01	2.47E+01
TEENAGE	TOTALS	1.58E+00	1.73E-01	1.12E-01	1.32E-01	1.20E-01	2.47E+01
ADULT	TOTALS	1.58E+00	1.70E-01	1.16E-01	1.33E-01	1.21E-01	2.47E+01

NUMBER 24 NAME=Unoccupied 1 X= -0.9KM, Y= 2.0KM, Z= 21.0M, DIST= 2.2KM, 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	5.58E+01	5.30E-01	5.18E-01	5.85E-01	5.43E-01	9.22E+02
CHILD	TOTALS	5.58E+01	5.39E-01	5.21E-01	5.51E-01	5.32E-01	9.22E+02
TEENAGE	TOTALS	5.58E+01	5.61E-01	5.23E-01	5.36E-01	5.28E-01	9.22E+02
ADULT	TOTALS	5.58E+01	5.59E-01	5.26E-01	5.36E-01	5.29E-01	9.22E+02

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

NUMBER 25 NAME=Unoccupied 2 X= 2.0KM, Y= 2.8KM, Z= 69.0M, DIST= 3.4KM, 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	6.41E+00	4.11E-01	3.84E-01	5.36E-01	4.41E-01	1.01E+02
CHILD	TOTALS	6.41E+00	4.31E-01	3.90E-01	4.58E-01	4.16E-01	1.01E+02
TEENAGE	TOTALS	6.41E+00	4.82E-01	3.95E-01	4.24E-01	4.06E-01	1.01E+02
ADULT	TOTALS	6.41E+00	4.78E-01	4.00E-01	4.25E-01	4.08E-01	1.01E+02

NUMBER 26 NAME=North Boundary #1 X= -0.7KM, Y= 0.7KM, Z= 29.0M, DIST= 1.0KM, 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	3.09E+01	6.16E-01	6.04E-01	6.75E-01	6.31E-01	5.06E+02
CHILD	TOTALS	3.09E+01	6.26E-01	6.07E-01	6.39E-01	6.19E-01	5.06E+02
TEENAGE	TOTALS	3.09E+01	6.50E-01	6.09E-01	6.23E-01	6.14E-01	5.06E+02
ADULT	TOTALS	3.09E+01	6.48E-01	6.12E-01	6.23E-01	6.15E-01	5.06E+02

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

NUMBER 27 NAME=East Boundary X= 1.4KM, Y= 0.3KM, Z= -20.0M, DIST= 1.4KM, 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	1.23E+01	2.30E-01	2.24E-01	2.57E-01	2.37E-01	2.02E+02
CHILD	TOTALS	1.23E+01	2.34E-01	2.26E-01	2.40E-01	2.31E-01	2.02E+02
TEENAGE	TOTALS	1.23E+01	2.45E-01	2.27E-01	2.33E-01	2.29E-01	2.02E+02
ADULT	TOTALS	1.23E+01	2.45E-01	2.28E-01	2.33E-01	2.29E-01	2.02E+02

NUMBER 28 NAME=South Boundary X= 0.0KM, Y= -0.5KM, Z= 13.0M, 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	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	2.61E+01	6.81E-01	6.57E-01	7.93E-01	7.09E-01	4.25E+02
CHILD	TOTALS	2.61E+01	6.99E-01	6.63E-01	7.23E-01	6.86E-01	4.25E+02
TEENAGE	TOTALS	2.61E+01	7.45E-01	6.67E-01	6.93E-01	6.77E-01	4.25E+02
ADULT	TOTALS	2.61E+01	7.41E-01	6.72E-01	6.94E-01	6.79E-01	4.25E+02

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

NUMBER 29 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 49.0M, 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	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	1.79E+01	5.66E-01	5.48E-01	6.47E-01	5.86E-01	2.90E+02
CHILD	TOTALS	1.79E+01	5.79E-01	5.52E-01	5.96E-01	5.69E-01	2.90E+02
TEENAGE	TOTALS	1.79E+01	6.12E-01	5.55E-01	5.74E-01	5.63E-01	2.90E+02
ADULT	TOTALS	1.79E+01	6.09E-01	5.59E-01	5.75E-01	5.64E-01	2.90E+02

NUMBER 30 NAME=Minatare X= -22.4KM, Y= -75.6KM, Z= -41.4M, DIST= 78.8KM, 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	1.07E-01	5.03E-02	1.66E-02	2.09E-01	8.91E-02	1.39E+00
CHILD	TOTALS	1.04E-01	7.57E-02	2.46E-02	1.10E-01	5.68E-02	1.39E+00
TEENAGE	TOTALS	1.06E-01	1.40E-01	3.01E-02	6.68E-02	4.42E-02	1.39E+00
ADULT	TOTALS	1.07E-01	1.36E-01	3.73E-02	6.78E-02	4.71E-02	1.39E+00

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

NUMBER 31 NAME=North Boundary #2 X= -0.5KM, Y= 3.3KM, Z= 19.0M, DIST= 3.3KM, 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	1.42E+01	4.82E-01	4.61E-01	5.83E-01	5.07E-01	2.29E+02
CHILD	TOTALS	1.41E+01	4.98E-01	4.66E-01	5.20E-01	4.87E-01	2.29E+02
TEENAGE	TOTALS	1.42E+01	5.39E-01	4.70E-01	4.93E-01	4.79E-01	2.29E+02
ADULT	TOTALS	1.42E+01	5.36E-01	4.74E-01	4.94E-01	4.80E-01	2.29E+02

Program execution time = 0.41 seconds

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

NUMBER 31 NAME=Oetken Residence X= 2.7KM, Y= -4.8KM, Z= -50.0M, DIST= 5.5KM, 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	2.51E+00	2.06E-01	1.77E-01	3.39E-01	2.38E-01	3.90E+01
CHILD	TOTALS	2.51E+00	2.27E-01	1.84E-01	2.56E-01	2.11E-01	3.90E+01
TEENAGE	TOTALS	2.51E+00	2.81E-01	1.89E-01	2.20E-01	2.01E-01	3.90E+01
ADULT	TOTALS	2.51E+00	2.77E-01	1.95E-01	2.21E-01	2.03E-01	3.90E+01

NUMBER 32 NAME=Troester Residence X= 1.5KM, Y= -5.0KM, Z= -50.0M, DIST= 5.2KM, 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	2.41E+00	1.97E-01	1.70E-01	3.22E-01	2.27E-01	3.74E+01
CHILD	TOTALS	2.41E+00	2.17E-01	1.77E-01	2.44E-01	2.02E-01	3.74E+01
TEENAGE	TOTALS	2.41E+00	2.67E-01	1.81E-01	2.10E-01	1.92E-01	3.74E+01
ADULT	TOTALS	2.41E+00	2.64E-01	1.87E-01	2.11E-01	1.95E-01	3.74E+01

Program execution time = 0.40 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

REGION: Marsland All Well Field CODE: MILDOS-AREA (02/12) PAGE 2

METSET: DATA: MRMUA-F.MIL 05/20/14

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 31 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	Alliance	30.00	-45.40	-50.00	54.42	1	17	Residence 2	1.00	0.30	-4.00	1.04	1
2	Berea	21.50	-32.60	-50.00	39.05	1	18	Residence 3	-0.80	-1.90	-16.00	2.06	1
3	Chardon	22.30	35.80	-50.00	42.18	1	19	Residence 4	-0.40	-3.40	-31.00	3.42	1
4	Clinton	75.40	26.50	-50.00	79.92	1	20	Residence 5	1.90	-4.30	-36.00	4.70	1
5	Crawford	-12.10	20.80	-50.00	24.06	1	21	Residence 6	-4.70	1.86	22.00	5.05	1
6	Harrison	-50.50	22.50	-50.00	55.29	1	22	Residence 7	2.40	3.60	76.00	4.33	1
7	Hay Springs	47.10	18.80	-50.00	50.71	1	23	Residence 8	4.70	-4.40	-50.00	6.44	1
8	Hemmingford	14.30	-20.40	36.00	24.91	1	24	Unoccupied 1	-0.90	1.90	15.70	2.10	1
9	Marsland	-3.80	-6.10	-50.00	7.19	1	25	Unoccupied 2	2.00	2.80	69.00	3.44	1
10	Mitchell	-48.50	-60.00	-50.00	77.15	1	26	North Boundary #1	-1.30	5.10	34.70	5.26	1
11	Oelrichs	4.90	75.30	-50.00	75.46	1	27	East Boundary	1.70	0.00	-2.60	1.70	1
12	Rushville	66.00	22.00	-50.00	69.57	1	28	South Boundary	0.00	-0.60	0.50	0.60	1
13	Scottsbluff	-36.30	-68.90	-50.00	77.88	1	29	West Boundary	-0.70	0.00	12.20	0.70	1
14	Van Tassell	-67.50	21.00	49.00	70.69	1	30	Minatare	-22.40	-75.60	-41.40	78.85	1
15	Whitney	1.20	31.40	-50.00	31.42	1	31	North Boundary #2	-0.50	3.30	19.70	3.34	1
16	Residence 1	-0.80	-0.60	3.40	1.00	1							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.90	0.10	0.90	0.10	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0, 0, 0, 0,

JC EQUALS 1, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES= 6

NO.	KM X	KM Y	M Z	KM2 AREA	U-238	Th-230	CI/YEAR Ra-226	Pb-210	Rn-222	ID	PSIZE SET	M/SEC EXIT VEL	SOURCE NAME
1	-0.86	2.88	45.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03	1001	1	0.00E+00	MU-A
2	1.12	-1.02	-15.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+03	1002	1	0.00E+00	MU-B
3	1.74	-2.33	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E+02	1003	1	0.00E+00	MU-C
4	2.42	-3.56	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+03	1004	1	0.00E+00	MU-D
5	2.74	-3.98	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E+03	1005	1	0.00E+00	MU-E
6	2.90	-4.30	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E+02	1006	1	0.00E+00	MU-F

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									
6	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									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									
6	1.000E+00									

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.	2.443E-01	1.978E+00	3.181E-02	1.484E+00	7.133E-01	9.734E+01
GROUND	1.368E-02	1.368E-02	1.368E-02	1.368E-02	1.368E-02	1.368E-02
CLOUD	8.302E-01	8.302E-01	8.302E-01	8.302E-01	8.302E-01	8.302E-01
VEG. ING	1.148E+00	1.327E+01	1.148E+00	3.943E+00	3.212E+00	1.148E+00
MEAT ING	7.986E-02	9.228E-01	7.986E-02	2.743E-01	2.234E-01	7.986E-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	2.316E+00	1.701E+01	2.104E+00	6.545E+00	4.993E+00	9.941E+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	1.940E+02	2.242E+03	1.940E+02	6.663E+02	5.427E+02	1.940E+02
MEAT ING	1.600E+00	1.849E+01	1.600E+00	5.495E+00	4.475E+00	1.600E+00
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	1.956E+02	2.260E+03	1.956E+02	6.718E+02	5.472E+02	1.956E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.443E-01	1.978E+00	3.181E-02	1.484E+00	7.133E-01	9.734E+01
GROUND	1.368E-02	1.368E-02	1.368E-02	1.368E-02	1.368E-02	1.368E-02
CLOUD	8.302E-01	8.302E-01	8.302E-01	8.302E-01	8.302E-01	8.302E-01
VEG. ING	1.951E+02	2.255E+03	1.951E+02	6.702E+02	5.459E+02	1.951E+02
MEAT ING	1.680E+00	1.941E+01	1.680E+00	5.769E+00	4.699E+00	1.680E+00
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	1.979E+02	2.277E+03	1.977E+02	6.783E+02	5.522E+02	2.950E+02

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

NUMBER 1 NAME=Alliance X= 30.0KM, Y= -45.4KM, Z= -50.0M, DIST= 54.4KM, 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	2.67E-01	8.47E-02	3.70E-02	3.08E-01	1.39E-01	3.67E+00
CHILD	TOTALS	2.63E-01	1.22E-01	4.90E-02	1.69E-01	9.43E-02	3.67E+00
TEENAGE	TOTALS	2.65E-01	2.14E-01	5.72E-02	1.09E-01	7.69E-02	3.67E+00
ADULT	TOTALS	2.67E-01	2.10E-01	6.79E-02	1.11E-01	8.15E-02	3.67E+00

NUMBER 2 NAME=Berea X= 21.5KM, Y= -32.6KM, Z= -50.0M, DIST= 39.1KM, 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	3.94E-01	1.01E-01	5.11E-02	3.32E-01	1.57E-01	5.55E+00
CHILD	TOTALS	3.89E-01	1.40E-01	6.36E-02	1.88E-01	1.11E-01	5.55E+00
TEENAGE	TOTALS	3.92E-01	2.35E-01	7.22E-02	1.26E-01	9.26E-02	5.55E+00
ADULT	TOTALS	3.94E-01	2.30E-01	8.33E-02	1.28E-01	9.74E-02	5.55E+00

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

NUMBER 3 NAME=Chardon X= 22.3KM, Y= 35.8KM, Z= -50.0M, DIST= 42.2KM, 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	1.98E-01	6.65E-02	2.80E-02	2.47E-01	1.10E-01	2.70E+00
CHILD	TOTALS	1.95E-01	9.67E-02	3.77E-02	1.35E-01	7.42E-02	2.70E+00
TEENAGE	TOTALS	1.97E-01	1.71E-01	4.43E-02	8.59E-02	6.02E-02	2.70E+00
ADULT	TOTALS	1.99E-01	1.67E-01	5.30E-02	8.76E-02	6.39E-02	2.70E+00

NUMBER 4 NAME=Clinton X= 75.4KM, Y= 26.5KM, Z= -50.0M, 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	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-01	4.67E-02	1.58E-02	1.93E-01	8.23E-02	1.34E+00
CHILD	TOTALS	1.00E-01	7.12E-02	2.35E-02	1.02E-01	5.30E-02	1.34E+00
TEENAGE	TOTALS	1.02E-01	1.31E-01	2.88E-02	6.24E-02	4.16E-02	1.34E+00
ADULT	TOTALS	1.03E-01	1.28E-01	3.58E-02	6.38E-02	4.46E-02	1.34E+00

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

NUMBER 5 NAME=Crawford X= -12.1KM, Y= 20.8KM, Z= -50.0M, DIST= 24.1KM, 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	3.67E-01	8.34E-02	4.66E-02	2.55E-01	1.25E-01	5.23E+00
CHILD	TOTALS	3.64E-01	1.12E-01	5.59E-02	1.48E-01	9.08E-02	5.23E+00
TEENAGE	TOTALS	3.66E-01	1.83E-01	6.23E-02	1.02E-01	7.74E-02	5.23E+00
ADULT	TOTALS	3.67E-01	1.79E-01	7.05E-02	1.04E-01	8.10E-02	5.23E+00

NUMBER 6 NAME=Harrison X= -50.5KM, Y= 22.5KM, Z= -50.0M, DIST= 55.3KM, 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	1.31E-01	4.92E-02	1.91E-02	1.90E-01	8.35E-02	1.76E+00
CHILD	TOTALS	1.29E-01	7.28E-02	2.67E-02	1.03E-01	5.52E-02	1.76E+00
TEENAGE	TOTALS	1.30E-01	1.31E-01	3.19E-02	6.44E-02	4.42E-02	1.76E+00
ADULT	TOTALS	1.31E-01	1.28E-01	3.86E-02	6.57E-02	4.72E-02	1.76E+00

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

NUMBER 7 NAME=Hay Springs X= 47.1KM, Y= 18.8KM, Z= -50.0M, DIST= 50.7KM, 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	1.68E-01	5.66E-02	2.38E-02	2.10E-01	9.40E-02	2.29E+00
CHILD	TOTALS	1.65E-01	8.24E-02	3.21E-02	1.15E-01	6.32E-02	2.29E+00
TEENAGE	TOTALS	1.67E-01	1.46E-01	3.77E-02	7.32E-02	5.12E-02	2.29E+00
ADULT	TOTALS	1.68E-01	1.43E-01	4.51E-02	7.46E-02	5.44E-02	2.29E+00

NUMBER 8 NAME=Hemmingford X= 14.3KM, Y= -20.4KM, Z= 36.0M, DIST= 24.9KM, 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	7.45E-01	1.49E-01	8.80E-02	4.33E-01	2.18E-01	1.08E+01
CHILD	TOTALS	7.39E-01	1.97E-01	1.03E-01	2.56E-01	1.61E-01	1.08E+01
TEENAGE	TOTALS	7.43E-01	3.13E-01	1.14E-01	1.80E-01	1.39E-01	1.08E+01
ADULT	TOTALS	7.45E-01	3.08E-01	1.28E-01	1.82E-01	1.45E-01	1.08E+01

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

NUMBER 9 NAME=Marsland X= -3.8KM, Y= -6.1KM, Z= -50.0M, DIST= 7.2KM, 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	9.45E-01	1.10E-01	8.93E-02	2.04E-01	1.32E-01	1.43E+01
CHILD	TOTALS	9.43E-01	1.25E-01	9.45E-02	1.45E-01	1.14E-01	1.43E+01
TEENAGE	TOTALS	9.44E-01	1.64E-01	9.80E-02	1.20E-01	1.06E-01	1.43E+01
ADULT	TOTALS	9.45E-01	1.62E-01	1.03E-01	1.21E-01	1.08E-01	1.43E+01

NUMBER 10 NAME=Mitchell X= -48.5KM, Y= -60.0KM, Z= -50.0M, DIST= 77.2KM, 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	7.17E-02	3.55E-02	1.12E-02	1.50E-01	6.34E-02	9.18E-01
CHILD	TOTALS	6.95E-02	5.47E-02	1.73E-02	7.89E-02	4.04E-02	9.18E-01
TEENAGE	TOTALS	7.09E-02	1.02E-01	2.14E-02	4.78E-02	3.15E-02	9.18E-01
ADULT	TOTALS	7.18E-02	9.95E-02	2.69E-02	4.89E-02	3.39E-02	9.18E-01

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

NUMBER 11 NAME=Oelrichs X= 4.9KM, Y= 75.3KM, Z= -50.0M, DIST= 75.5KM, 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	1.13E-01	5.37E-02	1.75E-02	2.25E-01	9.54E-02	1.46E+00
CHILD	TOTALS	1.10E-01	8.24E-02	2.65E-02	1.19E-01	6.11E-02	1.46E+00
TEENAGE	TOTALS	1.12E-01	1.53E-01	3.27E-02	7.22E-02	4.77E-02	1.46E+00
ADULT	TOTALS	1.13E-01	1.49E-01	4.09E-02	7.38E-02	5.13E-02	1.46E+00

NUMBER 12 NAME=Rushville X= 66.0KM, Y= 22.0KM, Z= -50.0M, DIST= 69.6KM, 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	1.20E-01	4.95E-02	1.79E-02	1.98E-01	8.57E-02	1.59E+00
CHILD	TOTALS	1.17E-01	7.44E-02	2.58E-02	1.06E-01	5.59E-02	1.59E+00
TEENAGE	TOTALS	1.19E-01	1.35E-01	3.12E-02	6.55E-02	4.43E-02	1.59E+00
ADULT	TOTALS	1.20E-01	1.33E-01	3.83E-02	6.69E-02	4.74E-02	1.59E+00

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

NUMBER 13 NAME=Scottsbluff X= -36.3KM, Y= -68.9KM, Z= -50.0M, DIST= 77.9KM, 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	8.33E-02	3.97E-02	1.29E-02	1.66E-01	7.04E-02	1.07E+00
CHILD	TOTALS	8.08E-02	6.08E-02	1.96E-02	8.75E-02	4.51E-02	1.07E+00
TEENAGE	TOTALS	8.24E-02	1.13E-01	2.41E-02	5.33E-02	3.52E-02	1.07E+00
ADULT	TOTALS	8.34E-02	1.10E-01	3.02E-02	5.45E-02	3.79E-02	1.07E+00

NUMBER 14 NAME=Van Tassell X= -67.5KM, Y= 21.0KM, Z= 49.0M, DIST= 70.7KM, 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	1.04E-01	4.66E-02	1.59E-02	1.91E-01	8.18E-02	1.36E+00
CHILD	TOTALS	1.01E-01	7.08E-02	2.35E-02	1.01E-01	5.28E-02	1.36E+00
TEENAGE	TOTALS	1.03E-01	1.30E-01	2.88E-02	6.22E-02	4.15E-02	1.36E+00
ADULT	TOTALS	1.04E-01	1.27E-01	3.57E-02	6.35E-02	4.45E-02	1.36E+00

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

NUMBER 15 NAME=Whitney X= 1.2KM, Y= 31.4KM, Z= -50.0M, 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	2.84E-01	7.75E-02	3.77E-02	2.63E-01	1.23E-01	3.97E+00
CHILD	TOTALS	2.80E-01	1.09E-01	4.77E-02	1.48E-01	8.54E-02	3.97E+00
TEENAGE	TOTALS	2.83E-01	1.85E-01	5.46E-02	9.74E-02	7.09E-02	3.97E+00
ADULT	TOTALS	2.84E-01	1.81E-01	6.35E-02	9.92E-02	7.48E-02	3.97E+00

NUMBER 16 NAME=Residence 1 X= -0.8KM, Y= -0.6KM, Z= 3.4M, DIST= 1.0KM, 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	4.56E+00	2.99E-01	2.72E-01	4.23E-01	3.29E-01	7.16E+01
CHILD	TOTALS	4.56E+00	3.20E-01	2.79E-01	3.46E-01	3.04E-01	7.16E+01
TEENAGE	TOTALS	4.56E+00	3.71E-01	2.84E-01	3.13E-01	2.95E-01	7.16E+01
ADULT	TOTALS	4.56E+00	3.69E-01	2.90E-01	3.14E-01	2.97E-01	7.16E+01

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

NUMBER 17 NAME=Residence 2 X= 1.0KM, Y= 0.3KM, Z= -4.0M, DIST= 1.0KM, 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	7.62E+00	3.30E-01	3.07E-01	4.38E-01	3.56E-01	1.22E+02
CHILD	TOTALS	7.62E+00	3.48E-01	3.13E-01	3.71E-01	3.35E-01	1.22E+02
TEENAGE	TOTALS	7.62E+00	3.93E-01	3.17E-01	3.42E-01	3.26E-01	1.22E+02
ADULT	TOTALS	7.62E+00	3.91E-01	3.22E-01	3.43E-01	3.29E-01	1.22E+02

NUMBER 18 NAME=Residence 3 X= -0.8KM, Y= -1.9KM, Z= -16.0M, DIST= 2.1KM, 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	2.66E-01	2.45E-01	3.66E-01	2.91E-01	6.21E+01
CHILD	TOTALS	3.96E+00	2.83E-01	2.50E-01	3.04E-01	2.71E-01	6.21E+01
TEENAGE	TOTALS	3.96E+00	3.24E-01	2.54E-01	2.77E-01	2.63E-01	6.21E+01
ADULT	TOTALS	3.96E+00	3.22E-01	2.59E-01	2.78E-01	2.65E-01	6.21E+01

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

NUMBER 19 NAME=Residence 4 X= -0.4KM, Y= -3.4KM, Z= -31.0M, DIST= 3.4KM, 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	3.63E+00	2.38E-01	2.20E-01	3.19E-01	2.58E-01	5.69E+01
CHILD	TOTALS	3.63E+00	2.51E-01	2.25E-01	2.69E-01	2.41E-01	5.69E+01
TEENAGE	TOTALS	3.63E+00	2.85E-01	2.28E-01	2.47E-01	2.35E-01	5.69E+01
ADULT	TOTALS	3.63E+00	2.83E-01	2.32E-01	2.47E-01	2.37E-01	5.69E+01

NUMBER 20 NAME=Residence 5 X= 1.9KM, Y= -4.3KM, Z= -36.0M, DIST= 4.7KM, 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	1.04E+01	2.77E-01	2.62E-01	3.48E-01	2.94E-01	1.70E+02
CHILD	TOTALS	1.04E+01	2.89E-01	2.66E-01	3.04E-01	2.80E-01	1.70E+02
TEENAGE	TOTALS	1.04E+01	3.18E-01	2.69E-01	2.85E-01	2.75E-01	1.70E+02
ADULT	TOTALS	1.04E+01	3.17E-01	2.72E-01	2.86E-01	2.76E-01	1.70E+02

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

NUMBER 21 NAME=Residence 6 X= -4.7KM, Y= 1.9KM, Z= 22.0M, DIST= 5.1KM, 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	1.69E+00	1.91E-01	1.55E-01	3.55E-01	2.31E-01	2.55E+01
CHILD	TOTALS	1.68E+00	2.18E-01	1.64E-01	2.53E-01	1.98E-01	2.55E+01
TEENAGE	TOTALS	1.69E+00	2.86E-01	1.71E-01	2.09E-01	1.85E-01	2.55E+01
ADULT	TOTALS	1.69E+00	2.83E-01	1.79E-01	2.10E-01	1.89E-01	2.55E+01

NUMBER 22 NAME=Residence 7 X= 2.4KM, Y= 3.6KM, Z= 76.0M, 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	2.94E+00	2.85E-01	2.44E-01	4.77E-01	3.32E-01	4.49E+01
CHILD	TOTALS	2.93E+00	3.17E-01	2.54E-01	3.58E-01	2.93E-01	4.49E+01
TEENAGE	TOTALS	2.94E+00	3.96E-01	2.62E-01	3.06E-01	2.78E-01	4.49E+01
ADULT	TOTALS	2.94E+00	3.92E-01	2.71E-01	3.08E-01	2.82E-01	4.49E+01

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

NUMBER 23 NAME=Residence 8 X= 4.7KM, Y= -4.4KM, Z= -50.0M, DIST= 6.4KM, 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	3.37E+00	1.54E-01	1.42E-01	2.09E-01	1.67E-01	5.38E+01
CHILD	TOTALS	3.37E+00	1.63E-01	1.45E-01	1.75E-01	1.56E-01	5.38E+01
TEENAGE	TOTALS	3.37E+00	1.86E-01	1.47E-01	1.60E-01	1.52E-01	5.38E+01
ADULT	TOTALS	3.37E+00	1.85E-01	1.50E-01	1.60E-01	1.53E-01	5.38E+01

NUMBER 24 NAME=Unoccupied 1 X= -0.9KM, Y= 1.9KM, Z= 15.7M, DIST= 2.1KM, 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	5.19E+00	2.45E-01	2.15E-01	3.83E-01	2.79E-01	8.29E+01
CHILD	TOTALS	5.18E+00	2.68E-01	2.23E-01	2.97E-01	2.51E-01	8.29E+01
TEENAGE	TOTALS	5.18E+00	3.25E-01	2.28E-01	2.60E-01	2.40E-01	8.29E+01
ADULT	TOTALS	5.19E+00	3.22E-01	2.35E-01	2.61E-01	2.43E-01	8.29E+01

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

NUMBER 25 NAME=Unoccupied 2 X= 2.0KM, Y= 2.8KM, Z= 69.0M, DIST= 3.4KM, 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	3.35E+00	2.96E-01	2.59E-01	4.70E-01	3.38E-01	5.16E+01
CHILD	TOTALS	3.35E+00	3.25E-01	2.68E-01	3.62E-01	3.04E-01	5.16E+01
TEENAGE	TOTALS	3.35E+00	3.97E-01	2.75E-01	3.15E-01	2.90E-01	5.16E+01
ADULT	TOTALS	3.35E+00	3.93E-01	2.83E-01	3.17E-01	2.94E-01	5.16E+01

NUMBER 26 NAME=North Boundary #1 X= -1.3KM, Y= 5.1KM, Z= 34.7M, 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	3.30E+00	2.51E-01	2.14E-01	4.26E-01	2.94E-01	5.14E+01
CHILD	TOTALS	3.29E+00	2.81E-01	2.23E-01	3.18E-01	2.59E-01	5.14E+01
TEENAGE	TOTALS	3.30E+00	3.52E-01	2.30E-01	2.70E-01	2.45E-01	5.14E+01
ADULT	TOTALS	3.30E+00	3.49E-01	2.38E-01	2.72E-01	2.49E-01	5.14E+01

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

NUMBER 27 NAME=East Boundary X= 1.7KM, Y= 0.0KM, Z= -2.6M, 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	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	8.28E+00	3.43E-01	3.20E-01	4.49E-01	3.69E-01	1.33E+02
CHILD	TOTALS	8.27E+00	3.61E-01	3.26E-01	3.83E-01	3.47E-01	1.33E+02
TEENAGE	TOTALS	8.27E+00	4.04E-01	3.30E-01	3.54E-01	3.39E-01	1.33E+02
ADULT	TOTALS	8.28E+00	4.02E-01	3.35E-01	3.55E-01	3.41E-01	1.33E+02

NUMBER 28 NAME=South Boundary X= 0.0KM, Y= -0.6KM, Z= 0.5M, DIST= 0.6KM, 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	7.48E+00	3.36E-01	3.12E-01	4.50E-01	3.64E-01	1.20E+02
CHILD	TOTALS	7.48E+00	3.55E-01	3.18E-01	3.79E-01	3.41E-01	1.20E+02
TEENAGE	TOTALS	7.48E+00	4.02E-01	3.22E-01	3.48E-01	3.32E-01	1.20E+02
ADULT	TOTALS	7.49E+00	4.00E-01	3.28E-01	3.50E-01	3.35E-01	1.20E+02

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

NUMBER 29 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 12.2M, 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	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	5.00E+00	3.25E-01	2.97E-01	4.59E-01	3.58E-01	7.86E+01
CHILD	TOTALS	5.00E+00	3.48E-01	3.04E-01	3.76E-01	3.31E-01	7.86E+01
TEENAGE	TOTALS	5.00E+00	4.02E-01	3.09E-01	3.40E-01	3.21E-01	7.86E+01
ADULT	TOTALS	5.00E+00	4.00E-01	3.15E-01	3.41E-01	3.23E-01	7.86E+01

NUMBER 30 NAME=Minatare X= -22.4KM, Y= -75.6KM, Z= -41.4M, DIST= 78.8KM, 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	1.00E-01	4.70E-02	1.55E-02	1.96E-01	8.32E-02	1.30E+00
CHILD	TOTALS	9.73E-02	7.19E-02	2.33E-02	1.03E-01	5.33E-02	1.30E+00
TEENAGE	TOTALS	9.92E-02	1.33E-01	2.87E-02	6.30E-02	4.17E-02	1.30E+00
ADULT	TOTALS	1.00E-01	1.30E-01	3.58E-02	6.44E-02	4.48E-02	1.30E+00

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

NUMBER 31 NAME=North Boundary #2 X= -0.5KM, Y= 3.3KM, Z= 19.7M, DIST= 3.3KM, 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	4.46E+00	1.90E-01	1.60E-01	3.33E-01	2.25E-01	7.18E+01
CHILD	TOTALS	4.46E+00	2.14E-01	1.67E-01	2.44E-01	1.96E-01	7.18E+01
TEENAGE	TOTALS	4.46E+00	2.73E-01	1.73E-01	2.06E-01	1.85E-01	7.18E+01
ADULT	TOTALS	4.46E+00	2.70E-01	1.80E-01	2.07E-01	1.88E-01	7.18E+01

Program execution time = 0.62 seconds

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

NUMBER 31 NAME=Oetken Residence X= 2.7KM, Y= -5.0KM, Z= -50.0M, DIST= 5.7KM, 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	7.46E+00	2.06E-01	1.92E-01	2.73E-01	2.23E-01	1.21E+02
CHILD	TOTALS	7.46E+00	2.18E-01	1.96E-01	2.32E-01	2.09E-01	1.21E+02
TEENAGE	TOTALS	7.46E+00	2.45E-01	1.98E-01	2.14E-01	2.04E-01	1.21E+02
ADULT	TOTALS	7.46E+00	2.44E-01	2.01E-01	2.14E-01	2.05E-01	1.21E+02

NUMBER 32 NAME=Treoster Residence X= 1.5KM, Y= -5.0KM, Z= -50.0M, DIST= 5.2KM, 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	3.77E+00	1.73E-01	1.61E-01	2.31E-01	1.87E-01	6.03E+01
CHILD	TOTALS	3.77E+00	1.83E-01	1.64E-01	1.95E-01	1.76E-01	6.03E+01
TEENAGE	TOTALS	3.77E+00	2.06E-01	1.66E-01	1.79E-01	1.71E-01	6.03E+01
ADULT	TOTALS	3.77E+00	2.05E-01	1.69E-01	1.80E-01	1.72E-01	6.03E+01

Program execution time = 0.63 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

REGION: Marsland All Well Field CODE: MILDOS-AREA (02/12) PAGE 2

METSET: DATA: MRST1-F.MIL 05/20/14

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 31 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	Alliance	30.00	-45.40	-50.00	54.42	1	17	Residence 2	1.00	0.30	-4.00	1.04	1
2	Berea	21.50	-32.60	-50.00	39.05	1	18	Residence 3	-0.80	-1.90	-16.00	2.06	1
3	Chardon	22.30	35.80	-50.00	42.18	1	19	Residence 4	-0.40	-3.40	-31.00	3.42	1
4	Clinton	75.40	26.50	-50.00	79.92	1	20	Residence 5	1.90	-4.30	-36.00	4.70	1
5	Crawford	-12.10	20.80	-50.00	24.06	1	21	Residence 6	-4.70	1.86	22.00	5.05	1
6	Harrison	-50.50	22.50	-50.00	55.29	1	22	Residence 7	2.40	3.60	76.00	4.33	1
7	Hay Springs	47.10	18.80	-50.00	50.71	1	23	Residence 8	4.70	-4.40	-50.00	6.44	1
8	Hemmingford	14.30	-20.40	36.00	24.91	1	24	Unoccupied 1	-0.90	1.90	15.70	2.10	1
9	Marsland	-3.80	-6.10	-50.00	7.19	1	25	Unoccupied 2	2.00	2.80	69.00	3.44	1
10	Mitchell	-48.50	-60.00	-50.00	77.15	1	26	N Boundary #1	-1.30	5.10	35.00	5.26	1
11	Oelrichs	4.90	75.30	-50.00	75.46	1	27	East Boundary	1.70	0.00	-2.60	1.70	1
12	Rushville	66.00	22.00	-50.00	69.57	1	28	South Boundary	0.00	-0.60	0.50	0.60	1
13	Scottsbluff	-36.30	-68.90	-50.00	77.88	1	29	West Boundary	-0.70	0.00	12.20	0.70	1
14	Van Tassell	-67.50	21.00	49.00	70.69	1	30	Minatare	-22.40	-75.60	-41.40	78.85	1
15	Whitney	1.20	31.40	-50.00	31.42	1	31	N Boundary #2	-0.50	3.30	20.00	3.34	1
16	Residence 1	-0.90	-0.60	3.40	1.08	1							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.90	0.10	0.90	0.10	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0,

JC EQUALS 1, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 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	0.00	0.00	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+04	1001	1	1.00E+01	Satellite

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	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									

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.	5.030E-01	4.073E+00	6.564E-02	3.055E+00	1.469E+00	1.983E+02
GROUND	2.792E-02	2.792E-02	2.792E-02	2.792E-02	2.792E-02	2.792E-02
CLOUD	1.696E+00	1.696E+00	1.696E+00	1.696E+00	1.696E+00	1.696E+00
VEG. ING	2.344E+00	2.709E+01	2.344E+00	8.051E+00	6.558E+00	2.344E+00
MEAT ING	1.631E-01	1.884E+00	1.631E-01	5.600E-01	4.561E-01	1.631E-01
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	4.735E+00	3.477E+01	4.297E+00	1.339E+01	1.021E+01	2.025E+02

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	3.961E+02	4.577E+03	3.961E+02	1.360E+03	1.108E+03	3.961E+02
MEAT ING	3.266E+00	3.774E+01	3.266E+00	1.122E+01	9.138E+00	3.266E+00
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	3.993E+02	4.615E+03	3.993E+02	1.372E+03	1.117E+03	3.993E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	5.030E-01	4.073E+00	6.564E-02	3.055E+00	1.469E+00	1.983E+02
GROUND	2.792E-02	2.792E-02	2.792E-02	2.792E-02	2.792E-02	2.792E-02
CLOUD	1.696E+00	1.696E+00	1.696E+00	1.696E+00	1.696E+00	1.696E+00
VEG. ING	3.984E+02	4.604E+03	3.984E+02	1.368E+03	1.115E+03	3.984E+02
MEAT ING	3.429E+00	3.963E+01	3.429E+00	1.178E+01	9.594E+00	3.429E+00
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	4.041E+02	4.649E+03	4.036E+02	1.385E+03	1.127E+03	6.019E+02

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

NUMBER 1 NAME=Alliance X= 30.0KM, Y= -45.4KM, Z= -50.0M, DIST= 54.4KM, 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	4.61E-01	1.39E-01	6.34E-02	4.95E-01	2.26E-01	6.36E+00
CHILD	TOTALS	4.54E-01	1.99E-01	8.24E-02	2.74E-01	1.55E-01	6.36E+00
TEENAGE	TOTALS	4.58E-01	3.45E-01	9.55E-02	1.78E-01	1.27E-01	6.36E+00
ADULT	TOTALS	4.61E-01	3.38E-01	1.13E-01	1.81E-01	1.34E-01	6.36E+00

NUMBER 2 NAME=Berea X= 21.5KM, Y= -32.6KM, Z= -50.0M, DIST= 39.1KM, 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	6.41E-01	1.56E-01	8.26E-02	5.00E-01	2.40E-01	9.07E+00
CHILD	TOTALS	6.34E-01	2.14E-01	1.01E-01	2.86E-01	1.71E-01	9.07E+00
TEENAGE	TOTALS	6.39E-01	3.55E-01	1.14E-01	1.93E-01	1.44E-01	9.07E+00
ADULT	TOTALS	6.41E-01	3.48E-01	1.30E-01	1.96E-01	1.51E-01	9.07E+00

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

NUMBER 3 NAME=Chardon X= 22.3KM, Y= 35.8KM, Z= -50.0M, DIST= 42.2KM, 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	3.60E-01	1.13E-01	5.01E-02	4.04E-01	1.83E-01	4.95E+00
CHILD	TOTALS	3.54E-01	1.61E-01	6.58E-02	2.23E-01	1.25E-01	4.95E+00
TEENAGE	TOTALS	3.58E-01	2.81E-01	7.66E-02	1.44E-01	1.02E-01	4.95E+00
ADULT	TOTALS	3.60E-01	2.75E-01	9.06E-02	1.47E-01	1.08E-01	4.95E+00

NUMBER 4 NAME=Clinton X= 75.4KM, Y= 26.5KM, Z= -50.0M, 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	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	1.86E-01	7.99E-02	2.82E-02	3.24E-01	1.39E-01	2.45E+00
CHILD	TOTALS	1.82E-01	1.21E-01	4.10E-02	1.72E-01	9.03E-02	2.45E+00
TEENAGE	TOTALS	1.85E-01	2.21E-01	4.99E-02	1.06E-01	7.13E-02	2.45E+00
ADULT	TOTALS	1.86E-01	2.16E-01	6.16E-02	1.08E-01	7.64E-02	2.45E+00

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

NUMBER 5 NAME=Crawford X= -12.1KM, Y= 20.8KM, Z= -50.0M, DIST= 24.1KM, 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	6.88E-01	1.39E-01	8.45E-02	3.90E-01	2.00E-01	9.91E+00
CHILD	TOTALS	6.83E-01	1.81E-01	9.82E-02	2.34E-01	1.49E-01	9.91E+00
TEENAGE	TOTALS	6.86E-01	2.84E-01	1.08E-01	1.66E-01	1.30E-01	9.91E+00
ADULT	TOTALS	6.88E-01	2.79E-01	1.20E-01	1.68E-01	1.35E-01	9.91E+00

NUMBER 6 NAME=Harrison X= -50.5KM, Y= 22.5KM, Z= -50.0M, DIST= 55.3KM, 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	2.48E-01	8.66E-02	3.57E-02	3.25E-01	1.45E-01	3.36E+00
CHILD	TOTALS	2.43E-01	1.26E-01	4.84E-02	1.77E-01	9.68E-02	3.36E+00
TEENAGE	TOTALS	2.46E-01	2.24E-01	5.72E-02	1.12E-01	7.82E-02	3.36E+00
ADULT	TOTALS	2.48E-01	2.20E-01	6.86E-02	1.14E-01	8.31E-02	3.36E+00

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

NUMBER 7 NAME=Hay Springs X= 47.1KM, Y= 18.8KM, Z= -50.0M, DIST= 50.7KM, 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	3.01E-01	9.55E-02	4.22E-02	3.45E-01	1.56E-01	4.13E+00
CHILD	TOTALS	2.96E-01	1.37E-01	5.56E-02	1.90E-01	1.06E-01	4.13E+00
TEENAGE	TOTALS	2.99E-01	2.40E-01	6.48E-02	1.22E-01	8.67E-02	4.13E+00
ADULT	TOTALS	3.01E-01	2.35E-01	7.67E-02	1.25E-01	9.19E-02	4.13E+00

NUMBER 8 NAME=Hemmingford X= 14.3KM, Y= -20.4KM, Z= 36.0M, DIST= 24.9KM, 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	1.34E+00	2.85E-01	1.62E-01	8.53E-01	4.23E-01	1.93E+01
CHILD	TOTALS	1.33E+00	3.80E-01	1.93E-01	5.00E-01	3.09E-01	1.93E+01
TEENAGE	TOTALS	1.34E+00	6.13E-01	2.14E-01	3.46E-01	2.65E-01	1.93E+01
ADULT	TOTALS	1.34E+00	6.02E-01	2.42E-01	3.51E-01	2.76E-01	1.93E+01

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

NUMBER 9 NAME=Marsland X= -3.8KM, Y= -6.1KM, Z= -50.0M, DIST= 7.2KM, 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	1.17E+00	9.39E-02	7.98E-02	1.59E-01	1.10E-01	1.82E+01
CHILD	TOTALS	1.17E+00	1.05E-01	8.34E-02	1.19E-01	9.67E-02	1.82E+01
TEENAGE	TOTALS	1.17E+00	1.32E-01	8.58E-02	1.01E-01	9.16E-02	1.82E+01
ADULT	TOTALS	1.17E+00	1.30E-01	8.89E-02	1.02E-01	9.29E-02	1.82E+01

NUMBER 10 NAME=Mitchell X= -48.5KM, Y= -60.0KM, Z= -50.0M, DIST= 77.2KM, 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	1.34E-01	6.21E-02	2.06E-02	2.58E-01	1.10E-01	1.74E+00
CHILD	TOTALS	1.30E-01	9.48E-02	3.09E-02	1.36E-01	7.04E-02	1.74E+00
TEENAGE	TOTALS	1.33E-01	1.75E-01	3.80E-02	8.31E-02	5.52E-02	1.74E+00
ADULT	TOTALS	1.34E-01	1.71E-01	4.74E-02	8.50E-02	5.92E-02	1.74E+00

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

NUMBER 11 NAME=Oelrichs X= 4.9KM, Y= 75.3KM, Z= -50.0M, DIST= 75.5KM, 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	2.18E-01	9.79E-02	3.32E-02	4.03E-01	1.72E-01	2.84E+00
CHILD	TOTALS	2.12E-01	1.49E-01	4.93E-02	2.13E-01	1.11E-01	2.84E+00
TEENAGE	TOTALS	2.16E-01	2.74E-01	6.04E-02	1.31E-01	8.72E-02	2.84E+00
ADULT	TOTALS	2.18E-01	2.68E-01	7.50E-02	1.34E-01	9.36E-02	2.84E+00

NUMBER 12 NAME=Rushville X= 66.0KM, Y= 22.0KM, Z= -50.0M, DIST= 69.6KM, 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	2.14E-01	8.35E-02	3.16E-02	3.27E-01	1.43E-01	2.86E+00
CHILD	TOTALS	2.10E-01	1.24E-01	4.45E-02	1.76E-01	9.39E-02	2.86E+00
TEENAGE	TOTALS	2.13E-01	2.25E-01	5.35E-02	1.10E-01	7.49E-02	2.86E+00
ADULT	TOTALS	2.15E-01	2.20E-01	6.51E-02	1.12E-01	7.99E-02	2.86E+00

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

NUMBER 13 NAME=Scottsbluff X= -36.3KM, Y= -68.9KM, Z= -50.0M, DIST= 77.9KM, 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	1.52E-01	6.83E-02	2.32E-02	2.81E-01	1.20E-01	1.98E+00
CHILD	TOTALS	1.48E-01	1.04E-01	3.44E-02	1.49E-01	7.74E-02	1.98E+00
TEENAGE	TOTALS	1.50E-01	1.91E-01	4.21E-02	9.12E-02	6.08E-02	1.98E+00
ADULT	TOTALS	1.52E-01	1.87E-01	5.23E-02	9.32E-02	6.52E-02	1.98E+00

NUMBER 14 NAME=Van Tassell X= -67.5KM, Y= 21.0KM, Z= 49.0M, DIST= 70.7KM, 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	2.20E-01	9.65E-02	3.33E-02	3.94E-01	1.69E-01	2.88E+00
CHILD	TOTALS	2.14E-01	1.46E-01	4.91E-02	2.09E-01	1.09E-01	2.88E+00
TEENAGE	TOTALS	2.18E-01	2.68E-01	5.99E-02	1.28E-01	8.60E-02	2.88E+00
ADULT	TOTALS	2.20E-01	2.63E-01	7.42E-02	1.31E-01	9.22E-02	2.88E+00

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

NUMBER 15 NAME=Whitney X= 1.2KM, Y= 31.4KM, Z= -50.0M, 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	5.14E-01	1.28E-01	6.68E-02	4.11E-01	1.96E-01	7.27E+00
CHILD	TOTALS	5.09E-01	1.75E-01	8.21E-02	2.35E-01	1.40E-01	7.27E+00
TEENAGE	TOTALS	5.13E-01	2.91E-01	9.26E-02	1.58E-01	1.18E-01	7.27E+00
ADULT	TOTALS	5.15E-01	2.86E-01	1.06E-01	1.61E-01	1.24E-01	7.27E+00

NUMBER 16 NAME=Residence 1 X= -0.9KM, Y= -0.6KM, Z= 3.4M, 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	1.45E+01	1.66E-01	1.63E-01	1.76E-01	1.68E-01	2.39E+02
CHILD	TOTALS	1.45E+01	1.68E-01	1.64E-01	1.70E-01	1.66E-01	2.39E+02
TEENAGE	TOTALS	1.45E+01	1.72E-01	1.64E-01	1.67E-01	1.65E-01	2.39E+02
ADULT	TOTALS	1.45E+01	1.72E-01	1.65E-01	1.67E-01	1.66E-01	2.39E+02

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

NUMBER 17 NAME=Residence 2 X= 1.0KM, Y= 0.3KM, Z= -4.0M, DIST= 1.0KM, 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	1.87E+01	1.14E-01	1.13E-01	1.19E-01	1.15E-01	3.10E+02
CHILD	TOTALS	1.87E+01	1.15E-01	1.13E-01	1.16E-01	1.14E-01	3.10E+02
TEENAGE	TOTALS	1.87E+01	1.17E-01	1.13E-01	1.14E-01	1.13E-01	3.10E+02
ADULT	TOTALS	1.87E+01	1.17E-01	1.13E-01	1.14E-01	1.14E-01	3.10E+02

NUMBER 18 NAME=Residence 3 X= -0.8KM, Y= -1.9KM, Z= -16.0M, DIST= 2.1KM, 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	5.86E+00	1.48E-01	1.43E-01	1.73E-01	1.54E-01	9.53E+01
CHILD	TOTALS	5.86E+00	1.52E-01	1.44E-01	1.58E-01	1.49E-01	9.53E+01
TEENAGE	TOTALS	5.86E+00	1.63E-01	1.45E-01	1.51E-01	1.47E-01	9.53E+01
ADULT	TOTALS	5.86E+00	1.62E-01	1.46E-01	1.51E-01	1.48E-01	9.53E+01

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

NUMBER 19 NAME=Residence 4 X= -0.4KM, Y= -3.4KM, Z= -31.0M, DIST= 3.4KM, 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	4.41E+00	1.88E-01	1.75E-01	2.48E-01	2.03E-01	7.08E+01
CHILD	TOTALS	4.41E+00	1.98E-01	1.79E-01	2.11E-01	1.91E-01	7.08E+01
TEENAGE	TOTALS	4.41E+00	2.23E-01	1.81E-01	1.95E-01	1.86E-01	7.08E+01
ADULT	TOTALS	4.41E+00	2.22E-01	1.84E-01	1.95E-01	1.87E-01	7.08E+01

NUMBER 20 NAME=Residence 5 X= 1.9KM, Y= -4.3KM, Z= -36.0M, DIST= 4.7KM, 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	5.05E+00	2.66E-01	2.41E-01	3.83E-01	2.94E-01	8.03E+01
CHILD	TOTALS	5.05E+00	2.86E-01	2.47E-01	3.10E-01	2.71E-01	8.03E+01
TEENAGE	TOTALS	5.05E+00	3.34E-01	2.52E-01	2.79E-01	2.62E-01	8.03E+01
ADULT	TOTALS	5.05E+00	3.31E-01	2.57E-01	2.80E-01	2.64E-01	8.03E+01

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

NUMBER 21 NAME=Residence 6 X= -4.7KM, Y= 1.9KM, Z= 22.0M, DIST= 5.1KM, 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	4.79E+00	4.60E-01	4.01E-01	7.35E-01	5.27E-01	7.33E+01
CHILD	TOTALS	4.78E+00	5.06E-01	4.16E-01	5.64E-01	4.72E-01	7.33E+01
TEENAGE	TOTALS	4.79E+00	6.19E-01	4.26E-01	4.90E-01	4.50E-01	7.33E+01
ADULT	TOTALS	4.79E+00	6.14E-01	4.39E-01	4.92E-01	4.56E-01	7.33E+01

NUMBER 22 NAME=Residence 7 X= 2.4KM, Y= 3.6KM, Z= 76.0M, 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	6.99E+00	6.38E-01	5.69E-01	9.57E-01	7.16E-01	1.07E+02
CHILD	TOTALS	6.98E+00	6.92E-01	5.87E-01	7.59E-01	6.52E-01	1.07E+02
TEENAGE	TOTALS	6.98E+00	8.23E-01	5.99E-01	6.73E-01	6.27E-01	1.07E+02
ADULT	TOTALS	6.99E+00	8.17E-01	6.14E-01	6.76E-01	6.34E-01	1.07E+02

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

NUMBER 23 NAME=Residence 8 X= 4.7KM, Y= -4.4KM, Z= -50.0M, DIST= 6.4KM, 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	2.37E+00	1.20E-01	1.07E-01	1.82E-01	1.35E-01	3.78E+01
CHILD	TOTALS	2.37E+00	1.31E-01	1.10E-01	1.44E-01	1.23E-01	3.78E+01
TEENAGE	TOTALS	2.37E+00	1.56E-01	1.13E-01	1.27E-01	1.18E-01	3.78E+01
ADULT	TOTALS	2.37E+00	1.55E-01	1.16E-01	1.28E-01	1.19E-01	3.78E+01

NUMBER 24 NAME=Unoccupied 1 X= -0.9KM, Y= 1.9KM, Z= 15.7M, DIST= 2.1KM, 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	1.78E+01	7.28E-01	6.97E-01	8.67E-01	7.62E-01	2.85E+02
CHILD	TOTALS	1.78E+01	7.51E-01	7.05E-01	7.81E-01	7.34E-01	2.85E+02
TEENAGE	TOTALS	1.78E+01	8.08E-01	7.10E-01	7.43E-01	7.23E-01	2.85E+02
ADULT	TOTALS	1.78E+01	8.06E-01	7.17E-01	7.44E-01	7.26E-01	2.85E+02

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

NUMBER 25 NAME=Unoccupied 2 X= 2.0KM, Y= 2.8KM, Z= 69.0M, DIST= 3.4KM, 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	9.41E+00	7.15E-01	6.57E-01	9.82E-01	7.80E-01	1.46E+02
CHILD	TOTALS	9.40E+00	7.60E-01	6.72E-01	8.16E-01	7.26E-01	1.46E+02
TEENAGE	TOTALS	9.41E+00	8.69E-01	6.82E-01	7.44E-01	7.05E-01	1.46E+02
ADULT	TOTALS	9.41E+00	8.64E-01	6.95E-01	7.46E-01	7.11E-01	1.46E+02

NUMBER 26 NAME=N Boundary #1 X= -1.3KM, Y= 5.1KM, Z= 35.0M, 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	6.04E+00	6.03E-01	5.21E-01	9.81E-01	6.95E-01	9.22E+01
CHILD	TOTALS	6.03E+00	6.66E-01	5.42E-01	7.46E-01	6.19E-01	9.22E+01
TEENAGE	TOTALS	6.04E+00	8.22E-01	5.56E-01	6.43E-01	5.89E-01	9.22E+01
ADULT	TOTALS	6.04E+00	8.14E-01	5.74E-01	6.47E-01	5.97E-01	9.22E+01

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

NUMBER 27 NAME=East Boundary X= 1.7KM, Y= 0.0KM, Z= -2.6M, 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	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	1.12E+01	2.37E-01	2.30E-01	2.69E-01	2.45E-01	1.83E+02
CHILD	TOTALS	1.12E+01	2.42E-01	2.32E-01	2.49E-01	2.38E-01	1.83E+02
TEENAGE	TOTALS	1.12E+01	2.55E-01	2.33E-01	2.40E-01	2.36E-01	1.83E+02
ADULT	TOTALS	1.12E+01	2.55E-01	2.35E-01	2.41E-01	2.37E-01	1.83E+02

NUMBER 28 NAME=South Boundary X= 0.0KM, Y= -0.6KM, Z= 0.5M, DIST= 0.6KM, 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	5.80E+01	1.24E-01	1.23E-01	1.25E-01	1.24E-01	9.64E+02
CHILD	TOTALS	5.80E+01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	9.64E+02
TEENAGE	TOTALS	5.80E+01	1.25E-01	1.24E-01	1.24E-01	1.24E-01	9.64E+02
ADULT	TOTALS	5.80E+01	1.25E-01	1.24E-01	1.24E-01	1.24E-01	9.64E+02

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

NUMBER 29 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 12.2M, 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	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	4.39E+01	2.36E-01	2.34E-01	2.42E-01	2.37E-01	7.28E+02
CHILD	TOTALS	4.39E+01	2.37E-01	2.35E-01	2.38E-01	2.36E-01	7.28E+02
TEENAGE	TOTALS	4.39E+01	2.40E-01	2.35E-01	2.36E-01	2.35E-01	7.28E+02
ADULT	TOTALS	4.39E+01	2.40E-01	2.35E-01	2.37E-01	2.36E-01	7.28E+02

NUMBER 30 NAME=Minatare X= -22.4KM, Y= -75.6KM, Z= -41.4M, DIST= 78.8KM, 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	1.94E-01	8.71E-02	2.97E-02	3.58E-01	1.53E-01	2.54E+00
CHILD	TOTALS	1.89E-01	1.32E-01	4.39E-02	1.90E-01	9.87E-02	2.54E+00
TEENAGE	TOTALS	1.93E-01	2.44E-01	5.38E-02	1.16E-01	7.76E-02	2.54E+00
ADULT	TOTALS	1.95E-01	2.38E-01	6.68E-02	1.19E-01	8.32E-02	2.54E+00

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

NUMBER 31 NAME=N Boundary #2 X= -0.5KM, Y= 3.3KM, Z= 20.0M, DIST= 3.3KM, 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	1.06E+01	7.61E-01	7.01E-01	1.03E+00	8.27E-01	1.66E+02
CHILD	TOTALS	1.06E+01	8.07E-01	7.17E-01	8.64E-01	7.72E-01	1.66E+02
TEENAGE	TOTALS	1.06E+01	9.19E-01	7.27E-01	7.90E-01	7.51E-01	1.66E+02
ADULT	TOTALS	1.06E+01	9.14E-01	7.40E-01	7.93E-01	7.57E-01	1.66E+02

Program execution time = 0.05 seconds

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

NUMBER 31 NAME=Oetken Residence X= 2.7KM, Y= -5.0KM, Z= -50.0M, DIST= 5.7KM, 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+00	1.81E-01	1.63E-01	2.67E-01	2.02E-01	5.58E+01
CHILD	TOTALS	3.50E+00	1.95E-01	1.67E-01	2.14E-01	1.85E-01	5.58E+01
TEENAGE	TOTALS	3.51E+00	2.31E-01	1.71E-01	1.90E-01	1.78E-01	5.58E+01
ADULT	TOTALS	3.51E+00	2.29E-01	1.75E-01	1.91E-01	1.80E-01	5.58E+01

NUMBER 32 NAME=Troester Residence X= 1.5KM, Y= -5.0KM, Z= -50.0M, DIST= 5.2KM, 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	3.72E+00	1.84E-01	1.67E-01	2.66E-01	2.04E-01	5.93E+01
CHILD	TOTALS	3.72E+00	1.98E-01	1.71E-01	2.15E-01	1.88E-01	5.93E+01
TEENAGE	TOTALS	3.72E+00	2.31E-01	1.74E-01	1.93E-01	1.81E-01	5.93E+01
ADULT	TOTALS	3.72E+00	2.30E-01	1.78E-01	1.94E-01	1.83E-01	5.93E+01

Program execution time = 0.06 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 31 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	Alliance	30.00	-45.40	-50.00	54.42	1	17	Residence 2	1.00	0.30	-4.00	1.04	1
2	Berea	21.50	-32.60	-50.00	39.05	1	18	Residence 3	-0.80	-1.90	-16.00	2.06	1
3	Chardon	22.30	35.80	-50.00	42.18	1	19	Residence 4	-0.40	-3.40	-31.00	3.42	1
4	Clinton	75.40	26.50	-50.00	79.92	1	20	Residence 5	1.90	-4.30	-36.00	4.70	1
5	Crawford	-12.10	20.80	-50.00	24.06	1	21	Residence 6	-4.70	1.86	22.00	5.05	1
6	Harrison	-50.50	22.50	-50.50	55.29	1	22	Residence 7	2.40	3.60	76.00	4.33	1
7	Hay Springs	47.10	18.80	-50.00	50.71	1	23	Residence 8	4.70	-4.40	-50.00	6.44	1
8	Hemmingford	14.30	-20.40	36.00	24.91	1	24	Unoccupied 1	-0.90	2.00	21.00	2.19	1
9	Marsland	-3.80	-6.10	-50.00	7.19	1	25	Unoccupied 2	2.00	2.80	69.00	3.44	1
10	Mitchell	-48.50	-60.00	-50.00	77.15	1	26	North Boundary #1	-1.30	5.10	35.00	5.26	1
11	Oelrichs	4.90	75.30	-50.00	75.46	1	27	East Boundary	1.40	0.30	-20.00	1.43	1
12	Rushville	66.00	22.00	-50.00	69.57	1	28	South Boundary	0.00	-0.50	13.00	0.50	1
13	Scottsbluff	-36.30	-68.90	-50.00	77.88	1	29	West Boundary	-0.70	0.00	49.00	0.70	1
14	Van Tassell	-67.50	21.00	49.00	70.69	1	30	Minatare	-22.40	-75.60	-41.40	78.85	1
15	Whitney	1.20	31.40	-50.00	31.42	1	31	North Boundary #2	-0.50	3.30	20.00	3.34	1
16	Residence 1	-0.80	-0.40	6.00	0.89	1							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.90	0.10	0.90	0.10	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0,

JC EQUALS 1, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES= 3

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	-12.30	25.30	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E+03	1001	1	1.00E+01	N TREND
2	-7.33	16.21	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E+03	1002	1	1.00E+01	Crow Butte Resource
3	-16.52	15.44	10.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E+03	1003	1	1.00E+01	Three Crow

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	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									
2	1.000E+00									
3	1.000E+00									

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.	1.043E+00	8.443E+00	1.405E-01	6.332E+00	3.046E+00	4.990E+02
GROUND	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02
CLOUD	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00
VEG. ING	5.009E+00	5.788E+01	5.009E+00	1.720E+01	1.401E+01	5.009E+00
MEAT ING	3.484E-01	4.026E+00	3.484E-01	1.196E+00	9.746E-01	3.484E-01
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	1.002E+01	7.397E+01	9.117E+00	2.835E+01	2.165E+01	5.079E+02

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	8.463E+02	9.779E+03	8.463E+02	2.906E+03	2.367E+03	8.463E+02
MEAT ING	6.979E+00	8.064E+01	6.979E+00	2.397E+01	1.952E+01	6.979E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.092E+02	2.852E+03	4.754E+01	2.092E+02	2.092E+02	1.331E+03
TOTALS	1.062E+03	1.271E+04	9.008E+02	3.140E+03	2.596E+03	2.184E+03

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.043E+00	8.443E+00	1.405E-01	6.332E+00	3.046E+00	4.990E+02
GROUND	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02	6.732E-02
CLOUD	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00	3.552E+00
VEG. ING	8.513E+02	9.837E+03	8.513E+02	2.924E+03	2.381E+03	8.513E+02
MEAT ING	7.327E+00	8.467E+01	7.327E+00	2.517E+01	2.050E+01	7.327E+00
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.092E+02	2.852E+03	4.754E+01	2.092E+02	2.092E+02	1.331E+03
TOTALS	1.072E+03	1.279E+04	9.099E+02	3.168E+03	2.618E+03	2.692E+03

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

NUMBER 1 NAME=Alliance X= 30.0KM, Y= -45.4KM, Z= -50.0M, DIST= 54.4KM, 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	6.92E-01	2.65E-01	1.01E-01	1.03E+00	4.52E-01	9.26E+00
CHILD	TOTALS	6.77E-01	3.93E-01	1.42E-01	5.56E-01	2.98E-01	9.26E+00
TEENAGE	TOTALS	6.87E-01	7.09E-01	1.70E-01	3.47E-01	2.38E-01	9.26E+00
ADULT	TOTALS	6.93E-01	6.94E-01	2.07E-01	3.55E-01	2.54E-01	9.26E+00

NUMBER 2 NAME=Berea X= 21.5KM, Y= -32.6KM, Z= -50.0M, DIST= 39.1KM, 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	8.68E-01	2.87E-01	1.22E-01	1.06E+00	4.74E-01	1.19E+01
CHILD	TOTALS	8.53E-01	4.16E-01	1.63E-01	5.79E-01	3.20E-01	1.19E+01
TEENAGE	TOTALS	8.63E-01	7.33E-01	1.92E-01	3.70E-01	2.60E-01	1.19E+01
ADULT	TOTALS	8.69E-01	7.18E-01	2.29E-01	3.77E-01	2.76E-01	1.19E+01

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

NUMBER 3 NAME=Chardon X= 22.3KM, Y= 35.8KM, Z= -50.0M, DIST= 42.2KM, 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	8.34E-01	2.20E-01	1.11E-01	7.27E-01	3.43E-01	1.17E+01
CHILD	TOTALS	8.24E-01	3.05E-01	1.39E-01	4.12E-01	2.42E-01	1.17E+01
TEENAGE	TOTALS	8.31E-01	5.13E-01	1.58E-01	2.75E-01	2.02E-01	1.17E+01
ADULT	TOTALS	8.35E-01	5.03E-01	1.82E-01	2.79E-01	2.13E-01	1.17E+01

NUMBER 4 NAME=Clinton X= 75.4KM, Y= 26.5KM, Z= -50.0M, 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	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	3.17E-01	1.43E-01	4.87E-02	5.91E-01	2.53E-01	4.13E+00
CHILD	TOTALS	3.08E-01	2.18E-01	7.22E-02	3.13E-01	1.63E-01	4.13E+00
TEENAGE	TOTALS	3.14E-01	4.02E-01	8.85E-02	1.92E-01	1.28E-01	4.13E+00
ADULT	TOTALS	3.18E-01	3.94E-01	1.10E-01	1.96E-01	1.37E-01	4.13E+00

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

NUMBER 5 NAME=Crawford X= -12.1KM, Y= 20.8KM, Z= -50.0M, DIST= 24.1KM, 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	4.85E+00	3.07E-01	2.70E-01	4.79E-01	3.49E-01	7.65E+01
CHILD	TOTALS	4.85E+00	3.36E-01	2.79E-01	3.72E-01	3.14E-01	7.65E+01
TEENAGE	TOTALS	4.85E+00	4.07E-01	2.85E-01	3.25E-01	3.01E-01	7.65E+01
ADULT	TOTALS	4.85E+00	4.03E-01	2.94E-01	3.27E-01	3.04E-01	7.65E+01

NUMBER 6 NAME=Harrison X= -50.5KM, Y= 22.5KM, Z= -50.5M, DIST= 55.3KM, 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	6.53E-01	1.76E-01	8.86E-02	5.85E-01	2.76E-01	9.13E+00
CHILD	TOTALS	6.46E-01	2.45E-01	1.11E-01	3.31E-01	1.94E-01	9.13E+00
TEENAGE	TOTALS	6.51E-01	4.13E-01	1.26E-01	2.20E-01	1.62E-01	9.13E+00
ADULT	TOTALS	6.54E-01	4.05E-01	1.45E-01	2.24E-01	1.70E-01	9.13E+00

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

NUMBER 7 NAME=Hay Springs X= 47.1KM, Y= 18.8KM, Z= -50.0M, DIST= 50.7KM, 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	4.65E-01	1.60E-01	6.62E-02	5.98E-01	2.67E-01	6.33E+00
CHILD	TOTALS	4.57E-01	2.33E-01	8.96E-02	3.26E-01	1.79E-01	6.33E+00
TEENAGE	TOTALS	4.62E-01	4.14E-01	1.06E-01	2.07E-01	1.44E-01	6.33E+00
ADULT	TOTALS	4.66E-01	4.05E-01	1.27E-01	2.11E-01	1.53E-01	6.33E+00

NUMBER 8 NAME=Hemmingford X= 14.3KM, Y= -20.4KM, Z= 36.0M, DIST= 24.9KM, 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	4.33E-01	1.90E-01	1.57E+00	7.09E-01	1.91E+01
CHILD	TOTALS	1.36E+00	6.23E-01	2.51E-01	8.63E-01	4.81E-01	1.91E+01
TEENAGE	TOTALS	1.38E+00	1.09E+00	2.93E-01	5.55E-01	3.93E-01	1.91E+01
ADULT	TOTALS	1.39E+00	1.07E+00	3.47E-01	5.66E-01	4.17E-01	1.91E+01

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

NUMBER 9 NAME=Marsland X= -3.8KM, Y= -6.1KM, Z= -50.0M, DIST= 7.2KM, 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	2.06E+00	4.11E-01	2.46E-01	1.18E+00	5.97E-01	2.97E+01
CHILD	TOTALS	2.04E+00	5.39E-01	2.87E-01	7.02E-01	4.44E-01	2.97E+01
TEENAGE	TOTALS	2.05E+00	8.55E-01	3.16E-01	4.94E-01	3.84E-01	2.97E+01
ADULT	TOTALS	2.06E+00	8.40E-01	3.53E-01	5.01E-01	4.00E-01	2.97E+01

NUMBER 10 NAME=Mitchell X= -48.5KM, Y= -60.0KM, Z= -50.0M, DIST= 77.2KM, 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	2.98E-01	1.44E-01	4.66E-02	6.07E-01	2.57E-01	3.83E+00
CHILD	TOTALS	2.89E-01	2.22E-01	7.08E-02	3.19E-01	1.64E-01	3.83E+00
TEENAGE	TOTALS	2.95E-01	4.12E-01	8.76E-02	1.94E-01	1.28E-01	3.83E+00
ADULT	TOTALS	2.98E-01	4.03E-01	1.10E-01	1.98E-01	1.38E-01	3.83E+00

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

NUMBER 11 NAME=Oelrichs X= 4.9KM, Y= 75.3KM, Z= -50.0M, DIST= 75.5KM, 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	5.96E-01	2.36E-01	8.76E-02	9.32E-01	4.06E-01	7.93E+00
CHILD	TOTALS	5.82E-01	3.53E-01	1.25E-01	5.00E-01	2.66E-01	7.93E+00
TEENAGE	TOTALS	5.91E-01	6.39E-01	1.50E-01	3.11E-01	2.11E-01	7.93E+00
ADULT	TOTALS	5.96E-01	6.25E-01	1.84E-01	3.18E-01	2.26E-01	7.93E+00

NUMBER 12 NAME=Rushville X= 66.0KM, Y= 22.0KM, Z= -50.0M, DIST= 69.6KM, 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	3.50E-01	1.46E-01	5.25E-02	5.86E-01	2.53E-01	4.63E+00
CHILD	TOTALS	3.42E-01	2.20E-01	7.58E-02	3.13E-01	1.65E-01	4.63E+00
TEENAGE	TOTALS	3.47E-01	4.01E-01	9.18E-02	1.93E-01	1.30E-01	4.63E+00
ADULT	TOTALS	3.51E-01	3.92E-01	1.13E-01	1.98E-01	1.40E-01	4.63E+00

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

NUMBER 13 NAME=Scottsbluff X= -36.3KM, Y= -68.9KM, Z= -50.0M, DIST= 77.9KM, 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	3.57E-01	1.74E-01	5.60E-02	7.30E-01	3.09E-01	4.59E+00
CHILD	TOTALS	3.47E-01	2.67E-01	8.51E-02	3.84E-01	1.98E-01	4.59E+00
TEENAGE	TOTALS	3.54E-01	4.96E-01	1.05E-01	2.34E-01	1.54E-01	4.59E+00
ADULT	TOTALS	3.58E-01	4.85E-01	1.32E-01	2.39E-01	1.66E-01	4.59E+00

NUMBER 14 NAME=Van Tassell X= -67.5KM, Y= 21.0KM, Z= 49.0M, DIST= 70.7KM, 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	5.31E-01	1.98E-01	7.72E-02	7.64E-01	3.36E-01	7.13E+00
CHILD	TOTALS	5.20E-01	2.93E-01	1.08E-01	4.12E-01	2.22E-01	7.13E+00
TEENAGE	TOTALS	5.27E-01	5.25E-01	1.28E-01	2.59E-01	1.78E-01	7.13E+00
ADULT	TOTALS	5.31E-01	5.14E-01	1.55E-01	2.64E-01	1.90E-01	7.13E+00

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

NUMBER 15 NAME=Whitney X= 1.2KM, Y= 31.4KM, Z= -50.0M, 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	1.67E+00	2.79E-01	1.86E-01	7.10E-01	3.84E-01	2.44E+01
CHILD	TOTALS	1.66E+00	3.51E-01	2.10E-01	4.42E-01	2.97E-01	2.44E+01
TEENAGE	TOTALS	1.66E+00	5.28E-01	2.26E-01	3.25E-01	2.64E-01	2.44E+01
ADULT	TOTALS	1.67E+00	5.20E-01	2.46E-01	3.30E-01	2.73E-01	2.44E+01

NUMBER 16 NAME=Residence 1 X= -0.8KM, Y= -0.4KM, 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	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	3.31E+00	6.67E-01	3.94E-01	1.94E+00	9.75E-01	4.79E+01
CHILD	TOTALS	3.29E+00	8.79E-01	4.63E-01	1.15E+00	7.21E-01	4.79E+01
TEENAGE	TOTALS	3.31E+00	1.40E+00	5.10E-01	8.03E-01	6.22E-01	4.79E+01
ADULT	TOTALS	3.32E+00	1.38E+00	5.71E-01	8.15E-01	6.48E-01	4.79E+01

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

NUMBER 17 NAME=Residence 2 X= 1.0KM, Y= 0.3KM, Z= -4.0M, DIST= 1.0KM, 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	2.99E+00	5.88E-01	3.51E-01	1.69E+00	8.56E-01	4.34E+01
CHILD	TOTALS	2.97E+00	7.72E-01	4.11E-01	1.01E+00	6.35E-01	4.34E+01
TEENAGE	TOTALS	2.99E+00	1.22E+00	4.52E-01	7.07E-01	5.49E-01	4.34E+01
ADULT	TOTALS	3.00E+00	1.20E+00	5.05E-01	7.17E-01	5.72E-01	4.34E+01

NUMBER 18 NAME=Residence 3 X= -0.8KM, Y= -1.9KM, Z= -16.0M, DIST= 2.1KM, 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	2.85E+00	5.73E-01	3.38E-01	1.67E+00	8.39E-01	4.11E+01
CHILD	TOTALS	2.83E+00	7.56E-01	3.98E-01	9.87E-01	6.20E-01	4.11E+01
TEENAGE	TOTALS	2.84E+00	1.21E+00	4.38E-01	6.91E-01	5.35E-01	4.11E+01
ADULT	TOTALS	2.85E+00	1.18E+00	4.91E-01	7.01E-01	5.58E-01	4.11E+01

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

NUMBER 19 NAME=Residence 4 X= -0.4KM, Y= -3.4KM, Z= -31.0M, DIST= 3.4KM, 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	2.48E+00	5.01E-01	2.96E-01	1.45E+00	7.33E-01	3.58E+01
CHILD	TOTALS	2.46E+00	6.61E-01	3.47E-01	8.62E-01	5.41E-01	3.58E+01
TEENAGE	TOTALS	2.47E+00	1.05E+00	3.83E-01	6.04E-01	4.67E-01	3.58E+01
ADULT	TOTALS	2.48E+00	1.03E+00	4.29E-01	6.13E-01	4.87E-01	3.58E+01

NUMBER 20 NAME=Residence 5 X= 1.9KM, Y= -4.3KM, Z= -36.0M, DIST= 4.7KM, 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	2.14E+00	4.41E-01	2.57E-01	1.29E+00	6.48E-01	3.08E+01
CHILD	TOTALS	2.12E+00	5.83E-01	3.04E-01	7.63E-01	4.77E-01	3.08E+01
TEENAGE	TOTALS	2.13E+00	9.33E-01	3.35E-01	5.32E-01	4.10E-01	3.08E+01
ADULT	TOTALS	2.14E+00	9.17E-01	3.76E-01	5.40E-01	4.28E-01	3.08E+01

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

NUMBER 21 NAME=Residence 6 X= -4.7KM, Y= 1.9KM, Z= 22.0M, DIST= 5.1KM, 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	4.17E+00	7.72E-01	4.79E-01	2.13E+00	1.10E+00	6.07E+01
CHILD	TOTALS	4.14E+00	9.99E-01	5.53E-01	1.29E+00	8.30E-01	6.07E+01
TEENAGE	TOTALS	4.16E+00	1.56E+00	6.04E-01	9.18E-01	7.24E-01	6.07E+01
ADULT	TOTALS	4.17E+00	1.53E+00	6.69E-01	9.31E-01	7.52E-01	6.07E+01

NUMBER 22 NAME=Residence 7 X= 2.4KM, Y= 3.6KM, Z= 76.0M, 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	3.13E+00	5.91E-01	3.59E-01	1.67E+00	8.53E-01	4.56E+01
CHILD	TOTALS	3.11E+00	7.72E-01	4.18E-01	1.00E+00	6.37E-01	4.56E+01
TEENAGE	TOTALS	3.13E+00	1.21E+00	4.58E-01	7.07E-01	5.53E-01	4.56E+01
ADULT	TOTALS	3.14E+00	1.19E+00	5.10E-01	7.17E-01	5.76E-01	4.56E+01

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

NUMBER 23 NAME=Residence 8 X= 4.7KM, Y= -4.4KM, Z= -50.0M, DIST= 6.4KM, 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	1.76E+00	3.50E-01	2.09E-01	1.01E+00	5.10E-01	2.55E+01
CHILD	TOTALS	1.75E+00	4.60E-01	2.45E-01	5.98E-01	3.78E-01	2.55E+01
TEENAGE	TOTALS	1.76E+00	7.29E-01	2.69E-01	4.21E-01	3.27E-01	2.55E+01
ADULT	TOTALS	1.76E+00	7.17E-01	3.01E-01	4.27E-01	3.41E-01	2.55E+01

NUMBER 24 NAME=Unoccupied 1 X= -0.9KM, Y= 2.0KM, Z= 21.0M, DIST= 2.2KM, 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	3.81E+00	7.28E-01	4.43E-01	2.05E+00	1.05E+00	5.53E+01
CHILD	TOTALS	3.78E+00	9.49E-01	5.15E-01	1.23E+00	7.84E-01	5.53E+01
TEENAGE	TOTALS	3.80E+00	1.49E+00	5.64E-01	8.70E-01	6.81E-01	5.53E+01
ADULT	TOTALS	3.81E+00	1.47E+00	6.28E-01	8.83E-01	7.09E-01	5.53E+01

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

NUMBER 25 NAME=Unoccupied 2 X= 2.0KM, Y= 2.8KM, Z= 69.0M, DIST= 3.4KM, 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	3.22E+00	6.18E-01	3.73E-01	1.76E+00	8.95E-01	4.68E+01
CHILD	TOTALS	3.20E+00	8.09E-01	4.35E-01	1.05E+00	6.66E-01	4.68E+01
TEENAGE	TOTALS	3.21E+00	1.28E+00	4.77E-01	7.40E-01	5.78E-01	4.68E+01
ADULT	TOTALS	3.22E+00	1.25E+00	5.32E-01	7.51E-01	6.01E-01	4.68E+01

NUMBER 26 NAME=North Boundary #1 X= -1.3KM, Y= 5.1KM, Z= 35.0M, 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	4.45E+00	7.70E-01	4.95E-01	2.05E+00	1.08E+00	6.52E+01
CHILD	TOTALS	4.43E+00	9.85E-01	5.65E-01	1.25E+00	8.25E-01	6.52E+01
TEENAGE	TOTALS	4.44E+00	1.51E+00	6.13E-01	9.08E-01	7.25E-01	6.52E+01
ADULT	TOTALS	4.45E+00	1.49E+00	6.74E-01	9.20E-01	7.52E-01	6.52E+01

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

NUMBER 27 NAME=East Boundary X= 1.4KM, Y= 0.3KM, Z= -20.0M, DIST= 1.4KM, 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+00	5.11E-01	3.11E-01	1.44E+00	7.37E-01	3.91E+01
CHILD	TOTALS	2.67E+00	6.67E-01	3.62E-01	8.63E-01	5.51E-01	3.91E+01
TEENAGE	TOTALS	2.68E+00	1.05E+00	3.96E-01	6.11E-01	4.78E-01	3.91E+01
ADULT	TOTALS	2.69E+00	1.03E+00	4.41E-01	6.20E-01	4.98E-01	3.91E+01

NUMBER 28 NAME=South Boundary X= 0.0KM, Y= -0.5KM, Z= 13.0M, 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	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	3.26E+00	6.66E-01	3.89E-01	1.95E+00	9.79E-01	4.70E+01
CHILD	TOTALS	3.23E+00	8.82E-01	4.59E-01	1.15E+00	7.21E-01	4.70E+01
TEENAGE	TOTALS	3.25E+00	1.41E+00	5.07E-01	8.05E-01	6.21E-01	4.70E+01
ADULT	TOTALS	3.26E+00	1.39E+00	5.69E-01	8.17E-01	6.48E-01	4.70E+01

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

NUMBER 29 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 49.0M, 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	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	3.56E+00	7.21E-01	4.24E-01	2.10E+00	1.06E+00	5.14E+01
CHILD	TOTALS	3.53E+00	9.52E-01	4.99E-01	1.24E+00	7.80E-01	5.14E+01
TEENAGE	TOTALS	3.55E+00	1.52E+00	5.50E-01	8.69E-01	6.72E-01	5.14E+01
ADULT	TOTALS	3.56E+00	1.49E+00	6.17E-01	8.82E-01	7.01E-01	5.14E+01

NUMBER 30 NAME=Minatare X= -22.4KM, Y= -75.6KM, Z= -41.4M, DIST= 78.8KM, 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	4.36E-01	2.19E-01	6.92E-02	9.32E-01	3.93E-01	5.56E+00
CHILD	TOTALS	4.22E-01	3.39E-01	1.06E-01	4.89E-01	2.50E-01	5.56E+00
TEENAGE	TOTALS	4.31E-01	6.32E-01	1.32E-01	2.96E-01	1.94E-01	5.56E+00
ADULT	TOTALS	4.36E-01	6.18E-01	1.66E-01	3.03E-01	2.09E-01	5.56E+00

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

NUMBER 31 NAME=North Boundary #2 X= -0.5KM, Y= 3.3KM, Z= 20.0M, DIST= 3.3KM, 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	3.89E+00	7.16E-01	4.44E-01	1.98E+00	1.02E+00	5.67E+01
CHILD	TOTALS	3.87E+00	9.27E-01	5.13E-01	1.19E+00	7.69E-01	5.67E+01
TEENAGE	TOTALS	3.88E+00	1.44E+00	5.60E-01	8.51E-01	6.71E-01	5.67E+01
ADULT	TOTALS	3.89E+00	1.42E+00	6.20E-01	8.63E-01	6.97E-01	5.67E+01

Program execution time = 0.23 seconds

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

NUMBER 31 NAME=Oetken Residence X= 2.7KM, Y= -5.0KM, Z= -50.0M, DIST= 5.7KM, 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	1.87E+00	3.75E-01	2.23E-01	1.08E+00	5.47E-01	2.70E+01
CHILD	TOTALS	1.86E+00	4.93E-01	2.62E-01	6.43E-01	4.05E-01	2.70E+01
TEENAGE	TOTALS	1.87E+00	7.83E-01	2.88E-01	4.51E-01	3.50E-01	2.70E+01
ADULT	TOTALS	1.87E+00	7.70E-01	3.22E-01	4.58E-01	3.65E-01	2.70E+01

NUMBER 32 NAME=Troester Residence X= 1.5KM, Y= -5.0KM, Z= -50.0M, DIST= 5.2KM, 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	2.00E+00	3.98E-01	2.38E-01	1.14E+00	5.80E-01	2.88E+01
CHILD	TOTALS	1.98E+00	5.23E-01	2.79E-01	6.81E-01	4.30E-01	2.88E+01
TEENAGE	TOTALS	1.99E+00	8.30E-01	3.06E-01	4.79E-01	3.72E-01	2.88E+01
ADULT	TOTALS	2.00E+00	8.15E-01	3.42E-01	4.86E-01	3.88E-01	2.88E+01

Program execution time = 0.23 seconds

TABLE OF CONTENTS

METEOROLOGICAL 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
POPULATION DOSE SUMMARY 6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS 7

REGION: Marsland All MUs Occupa CODE: MILDOS-AREA (02/12) PAGE 2

METSET: DATA: MROC1-F.MIL 05/20/14

JOINT FREQUENCY IN PERCENT, DIRECTION INDICATES WHERE WIND IS FROM FREQWS=0.14427,0.29579,0.30967,0.17441,0.05798,0.01793

MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS
STABILITY CLASS 1																	
1.5	0.1410	0.0240	0.0710	0.0820	0.0940	0.1300	0.1060	0.2120	0.1770	0.3540	0.1410	0.0940	0.1180	0.0820	0.0590	0.0590	1.9440
5.5	0.2360	0.1530	0.1890	0.1770	0.1770	0.2590	0.2000	0.2120	0.2120	0.2590	0.2240	0.4010	0.1180	0.1180	0.2000	0.2120	3.3470
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	0.3770	0.1770	0.2600	0.2590	0.2710	0.3890	0.3060	0.4240	0.3890	0.6130	0.3650	0.4950	0.2360	0.2000	0.2590	0.2710	5.2910
STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0470	0.0470	0.0940	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.2710
5.5	0.2000	0.2240	0.2470	0.1770	0.1770	0.2470	0.3420	0.2470	0.2360	0.3180	0.3060	0.2590	0.1300	0.1650	0.2360	0.2120	3.7230
10.0	0.0240	0.0000	0.0120	0.0000	0.0120	0.0350	0.0350	0.0240	0.0710	0.0590	0.0000	0.0470	0.0240	0.0120	0.0710	0.0470	0.4730
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	0.2240	0.2240	0.2590	0.1770	0.1890	0.3170	0.3890	0.3180	0.3540	0.4710	0.3180	0.3060	0.1660	0.1890	0.3070	0.2590	4.4670
STABILITY CLASS 3																	
1.5	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0350	0.0120	0.0350	0.0240	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.1300
5.5	0.0590	0.0590	0.0590	0.0820	0.1180	0.1770	0.1890	0.1530	0.1530	0.1410	0.1890	0.0820	0.0710	0.0470	0.0590	0.0940	1.7320
10.0	1.0300	0.4710	0.2950	0.3420	0.3300	0.5540	0.4120	0.4360	0.4950	0.4360	0.5660	0.6600	0.4360	0.4710	0.8130	0.7780	8.5250
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	1.1010	0.5300	0.3540	0.4240	0.4480	0.7310	0.6360	0.6010	0.6830	0.6010	0.7670	0.7420	0.5070	0.5180	0.8720	0.8720	10.3870
STABILITY CLASS 4																	
1.5	0.0240	0.0240	0.0000	0.0000	0.0120	0.0470	0.0240	0.0120	0.0120	0.0120	0.0240	0.0120	0.0000	0.0120	0.0120	0.0710	0.2980
5.5	0.7310	0.4710	0.1890	0.3060	0.5770	0.8840	1.0490	0.7540	0.5190	0.3890	0.4830	0.5070	0.4120	0.3770	0.6840	1.3550	9.6870
10.0	1.9100	1.0720	0.9190	0.7310	1.0370	0.9190	1.2140	1.6500	1.3080	0.8960	0.7900	1.4610	1.2730	1.4850	1.9090	2.3690	20.9430
15.5	1.7800	0.8600	0.3060	0.2000	0.3180	0.3060	0.3890	0.9550	1.3790	0.6720	0.3650	0.8720	1.2610	1.9560	3.0050	2.8170	17.4410
21.5	0.4120	0.2240	0.0120	0.0000	0.0120	0.0240	0.0350	0.3420	0.2830	0.1180	0.1410	0.2470	0.2950	0.7190	1.6970	1.2370	5.7980
28.0	0.1410	0.0120	0.0000	0.0120	0.0000	0.0120	0.0000	0.0120	0.0120	0.0000	0.0000	0.0240	0.2360	0.2950	0.5890	0.4480	1.7930
ALL	4.9980	2.6630	1.4260	1.2490	1.9560	2.1920	2.7110	3.7250	3.5130	2.0870	1.8030	3.1230	3.4770	4.8440	7.8960	8.2970	55.9600
STABILITY CLASS 5																	
1.5	0.1530	0.0710	0.0000	0.0000	0.0590	0.0350	0.0820	0.0710	0.0350	0.0000	0.0350	0.0350	0.0120	0.0710	0.0590	0.0940	0.8120
5.5	0.2360	0.1300	0.1650	0.2000	0.1530	0.3060	0.2000	0.2470	0.2710	0.2000	0.2950	0.2830	0.2000	0.1300	0.3540	0.9660	4.3360
10.0	0.0470	0.0350	0.0240	0.0470	0.0590	0.0240	0.0240	0.0470	0.0240	0.0240	0.0590	0.1060	0.0940	0.0820	0.1410	0.1890	1.0260
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	0.4360	0.2360	0.1890	0.2470	0.2710	0.3650	0.3060	0.3650	0.3300	0.2240	0.3890	0.4240	0.3060	0.2830	0.5540	1.2490	6.1740
STABILITY CLASS 6																	
1.5	0.9780	0.6950	0.6360	0.5420	0.4480	0.5190	0.6720	0.6130	0.7540	0.6600	0.5770	0.7310	0.5660	0.5770	0.6720	1.3320	10.9720
5.5	0.7070	0.2830	0.1180	0.2590	0.3540	0.3180	0.3420	0.4830	0.3420	0.4950	0.4360	0.4710	0.2950	0.5540	0.4600	0.8370	6.7540
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	1.6850	0.9780	0.7540	0.8010	0.8020	0.8370	1.0140	1.0960	1.0960	1.1550	1.0130	1.2020	0.8610	1.1310	1.1320	2.1690	17.7260
ALL	8.8210	4.8080	3.2420	3.1570	3.9370	4.8310	5.3620	6.5290	6.3650	5.1510	4.6550	6.2920	5.5530	7.1650	11.0200	13.1170	100.0050

INDIVIDUAL RECEPTOR LOCATION DATA, 16 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	North Boundary	-0.70	0.70	29.00	0.99	1	9	MU-A	-0.76	2.88	45.00	2.98	1
2	East Boundary	1.40	0.30	-20.00	1.43	1	10	MU-B	1.22	-1.02	-15.00	1.59	1
3	South Boundary	0.00	-0.50	13.00	0.50	1	11	MU-C	1.84	-2.33	-25.00	2.97	1
4	West Boundary	-0.70	0.00	49.00	0.70	1	12	MU-D	2.52	-3.56	-36.00	4.36	1
5	MU-1	-0.46	2.33	27.00	2.37	1	13	MU-E	2.84	-3.98	-42.00	4.89	1
6	MU-2	-0.45	1.65	16.00	1.71	1	14	MU-F	3.00	-4.30	-47.00	5.24	1
7	MU-3	-0.05	0.95	13.00	0.95	1	15	MU-4	0.54	0.13	-4.00	0.56	1
8	MU-5	0.94	-0.45	-15.00	1.04	1	16	Satellite	0.00	0.00	0.00	0.00	1

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	1.00	0.50	0.50	0.50	0.50	87000.00	4000.00	0.00	2.50

IPACT EQUALS 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,

JC EQUALS 0, 0, 0, 0, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	993	0	0	0	0	0	0	0	0	1107
30.0-40.0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0-50.0	0	5634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0-60.0	0	0	0	652	0	0	0	9859	0	0	0	0	0	279	0	0
60.0-70.0	0	0	0	999	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	145	0	14	30	0	0	0	0	0	15542	1831	0	0	19	0	0
1.0-80.0	232	5634	14	1681	0	0	993	9859	0	15542	1831	0	0	298	0	1107

TOTAL 1-80 KM POPULATION IS 37191 PERSONS

NUMBER OF SOURCES=10

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	-0.56	2.23	27.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+03	1001	1	0.00E+00	MU-1
2	-0.55	1.65	16.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E+03	1002	1	0.00E+00	MU-2
3	-0.15	0.95	13.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E+02	1003	1	0.00E+00	MU-3
4	0.44	0.13	-4.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+03	1004	1	0.00E+00	MU-4
5	0.84	-0.45	-14.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E+02	1005	1	0.00E+00	MU-5
6	-0.86	2.88	45.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03	1006	1	0.00E+00	MU-A
7	1.12	-1.02	-15.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E+03	1007	1	0.00E+00	MU-B
8	1.74	-2.33	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E+02	1008	1	0.00E+00	MU-C
9	2.42	-3.56	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E+03	1009	1	0.00E+00	MU-D
10	2.82	-4.14	-20.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+03	1010	1	0.00E+00	MU-EF

INPUT TAILS ACTIVITIES, PCI/G

SET	URANIUM	THORIUM	RADIUM	LEAD
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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	1.000E+00									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									
6	1.000E+00									
7	1.000E+00									
8	1.000E+00									
9	1.000E+00									
10	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									
2	1.000E+00									
3	1.000E+00									
4	1.000E+00									
5	1.000E+00									
6	1.000E+00									
7	1.000E+00									
8	1.000E+00									
9	1.000E+00									
10	1.000E+00									

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.	5.093E-01	4.124E+00	6.646E-02	3.093E+00	1.487E+00	1.995E+02
GROUND	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02
CLOUD	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.242E+00	5.857E+00	1.800E+00	4.826E+00	3.220E+00	2.012E+02

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	1.005E+02	1.340E+03	1.898E+01	1.005E+02	1.005E+02	4.800E+02
TOTALS	1.005E+02	1.340E+03	1.898E+01	1.005E+02	1.005E+02	4.800E+02

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	5.093E-01	4.124E+00	6.646E-02	3.093E+00	1.487E+00	1.995E+02
GROUND	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02	2.813E-02
CLOUD	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+00	1.705E+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	1.005E+02	1.340E+03	1.898E+01	1.005E+02	1.005E+02	4.800E+02
TOTALS	1.027E+02	1.346E+03	2.078E+01	1.053E+02	1.037E+02	6.813E+02

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

NUMBER 1 NAME=North Boundary X= -0.7KM, Y= 0.7KM, Z= 29.0M, DIST= 1.0KM, 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	3.70E+01	9.96E-01	9.51E-01	1.21E+00	1.05E+00	6.01E+02
CHILD	TOTALS	3.70E+01	1.03E+00	9.62E-01	1.07E+00	1.00E+00	6.01E+02
TEENAGE	TOTALS	3.70E+01	1.11E+00	9.69E-01	1.02E+00	9.88E-01	6.01E+02
ADULT	TOTALS	3.70E+01	1.11E+00	9.79E-01	1.02E+00	9.92E-01	6.01E+02

NUMBER 2 NAME=East Boundary X= 1.4KM, Y= 0.3KM, Z= -20.0M, DIST= 1.4KM, 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	1.93E+01	5.44E-01	5.16E-01	6.74E-01	5.76E-01	3.14E+02
CHILD	TOTALS	1.93E+01	5.65E-01	5.23E-01	5.93E-01	5.49E-01	3.14E+02
TEENAGE	TOTALS	1.93E+01	6.18E-01	5.27E-01	5.58E-01	5.39E-01	3.14E+02
ADULT	TOTALS	1.93E+01	6.14E-01	5.33E-01	5.58E-01	5.41E-01	3.14E+02

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

NUMBER 3 NAME=South Boundary X= 0.0KM, Y= -0.5KM, Z= 13.0M, 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	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	3.38E+01	1.05E+00	9.98E-01	1.29E+00	1.11E+00	5.48E+02
CHILD	TOTALS	3.38E+01	1.09E+00	1.01E+00	1.14E+00	1.06E+00	5.48E+02
TEENAGE	TOTALS	3.38E+01	1.18E+00	1.02E+00	1.07E+00	1.04E+00	5.48E+02
ADULT	TOTALS	3.38E+01	1.18E+00	1.03E+00	1.08E+00	1.04E+00	5.48E+02

NUMBER 4 NAME=West Boundary X= -0.7KM, Y= 0.0KM, Z= 49.0M, 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	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	2.38E+01	9.58E-01	9.07E-01	1.19E+00	1.02E+00	3.82E+02
CHILD	TOTALS	2.38E+01	9.96E-01	9.20E-01	1.05E+00	9.68E-01	3.82E+02
TEENAGE	TOTALS	2.38E+01	1.09E+00	9.28E-01	9.83E-01	9.49E-01	3.82E+02
ADULT	TOTALS	2.38E+01	1.08E+00	9.39E-01	9.84E-01	9.54E-01	3.82E+02

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

NUMBER 5 NAME=MU-1 X= -0.5KM, Y= 2.3KM, Z= 27.0M, DIST= 2.4KM, 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	2.89E+02	9.63E-01	9.21E-01	1.16E+00	1.01E+00	4.81E+03
CHILD	TOTALS	2.89E+02	9.94E-01	9.31E-01	1.04E+00	9.71E-01	4.81E+03
TEENAGE	TOTALS	2.89E+02	1.07E+00	9.38E-01	9.83E-01	9.56E-01	4.81E+03
ADULT	TOTALS	2.89E+02	1.07E+00	9.47E-01	9.84E-01	9.59E-01	4.81E+03

NUMBER 6 NAME=MU-2 X= -0.4KM, Y= 1.6KM, Z= 16.0M, 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	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	4.74E+02	1.05E+00	1.02E+00	1.23E+00	1.10E+00	7.89E+03
CHILD	TOTALS	4.74E+02	1.08E+00	1.03E+00	1.12E+00	1.06E+00	7.89E+03
TEENAGE	TOTALS	4.74E+02	1.15E+00	1.03E+00	1.07E+00	1.05E+00	7.89E+03
ADULT	TOTALS	4.74E+02	1.15E+00	1.04E+00	1.07E+00	1.05E+00	7.89E+03

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

NUMBER 7 NAME=MU-3 X= -0.1KM, Y= 0.9KM, Z= 13.0M, DIST= 1.0KM, 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	2.90E+02	1.15E+00	1.11E+00	1.33E+00	1.19E+00	4.81E+03
CHILD	TOTALS	2.90E+02	1.18E+00	1.12E+00	1.22E+00	1.16E+00	4.81E+03
TEENAGE	TOTALS	2.90E+02	1.25E+00	1.13E+00	1.17E+00	1.14E+00	4.81E+03
ADULT	TOTALS	2.90E+02	1.25E+00	1.13E+00	1.17E+00	1.15E+00	4.81E+03

NUMBER 8 NAME=MU-5 X= 0.9KM, Y= -0.4KM, Z= -15.0M, DIST= 1.0KM, 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	2.80E+02	8.39E-01	8.09E-01	9.79E-01	8.73E-01	4.65E+03
CHILD	TOTALS	2.80E+02	8.61E-01	8.16E-01	8.92E-01	8.45E-01	4.65E+03
TEENAGE	TOTALS	2.80E+02	9.18E-01	8.21E-01	8.54E-01	8.34E-01	4.65E+03
ADULT	TOTALS	2.80E+02	9.14E-01	8.28E-01	8.55E-01	8.36E-01	4.65E+03

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

NUMBER 9 NAME=MU-A X= -0.8KM, Y= 2.9KM, Z= 45.0M, 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	3.97E+02	1.01E+00	9.65E-01	1.24E+00	1.07E+00	6.61E+03
CHILD	TOTALS	3.97E+02	1.05E+00	9.77E-01	1.10E+00	1.02E+00	6.61E+03
TEENAGE	TOTALS	3.97E+02	1.14E+00	9.85E-01	1.04E+00	1.00E+00	6.61E+03
ADULT	TOTALS	3.97E+02	1.13E+00	9.95E-01	1.04E+00	1.01E+00	6.61E+03

NUMBER 10 NAME=MU-B X= 1.2KM, Y= -1.0KM, Z= -15.0M, DIST= 1.6KM, 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	3.99E+02	1.04E+00	1.00E+00	1.20E+00	1.08E+00	6.64E+03
CHILD	TOTALS	3.99E+02	1.06E+00	1.01E+00	1.10E+00	1.04E+00	6.64E+03
TEENAGE	TOTALS	3.99E+02	1.13E+00	1.02E+00	1.05E+00	1.03E+00	6.64E+03
ADULT	TOTALS	3.99E+02	1.13E+00	1.02E+00	1.06E+00	1.03E+00	6.64E+03

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

NUMBER 11 NAME=MU-C X= 1.8KM, Y= -2.3KM, Z= -25.0M, 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	3.78E+01	8.21E-01	7.76E-01	1.03E+00	8.71E-01	6.17E+02
CHILD	TOTALS	3.78E+01	8.54E-01	7.87E-01	8.99E-01	8.29E-01	6.17E+02
TEENAGE	TOTALS	3.78E+01	9.38E-01	7.94E-01	8.42E-01	8.13E-01	6.17E+02
ADULT	TOTALS	3.78E+01	9.32E-01	8.04E-01	8.44E-01	8.17E-01	6.17E+02

NUMBER 12 NAME=MU-D X= 2.5KM, Y= -3.6KM, Z= -36.0M, DIST= 4.4KM, 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	2.28E+01	4.99E-01	4.56E-01	6.96E-01	5.47E-01	3.73E+02
CHILD	TOTALS	2.28E+01	5.30E-01	4.67E-01	5.73E-01	5.07E-01	3.73E+02
TEENAGE	TOTALS	2.28E+01	6.11E-01	4.74E-01	5.19E-01	4.91E-01	3.73E+02
ADULT	TOTALS	2.28E+01	6.05E-01	4.83E-01	5.21E-01	4.95E-01	3.73E+02

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

NUMBER 13 NAME=MU-E X= 2.8KM, Y= -4.0KM, Z= -42.0M, DIST= 4.9KM, 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	2.05E+01	3.86E-01	3.47E-01	5.68E-01	4.30E-01	3.36E+02
CHILD	TOTALS	2.05E+01	4.15E-01	3.57E-01	4.55E-01	3.94E-01	3.36E+02
TEENAGE	TOTALS	2.05E+01	4.89E-01	3.63E-01	4.05E-01	3.79E-01	3.36E+02
ADULT	TOTALS	2.05E+01	4.84E-01	3.71E-01	4.06E-01	3.83E-01	3.36E+02

NUMBER 14 NAME=MU-F X= 3.0KM, Y= -4.3KM, Z= -47.0M, DIST= 5.2KM, 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	1.19E+01	3.44E-01	3.07E-01	5.15E-01	3.86E-01	1.93E+02
CHILD	TOTALS	1.19E+01	3.71E-01	3.16E-01	4.08E-01	3.51E-01	1.93E+02
TEENAGE	TOTALS	1.19E+01	4.41E-01	3.22E-01	3.62E-01	3.37E-01	1.93E+02
ADULT	TOTALS	1.19E+01	4.36E-01	3.30E-01	3.63E-01	3.41E-01	1.93E+02

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

NUMBER 15 NAME=MU-4 X= 0.5KM, Y= 0.1KM, Z= -4.0M, DIST= 0.6KM, 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	3.63E+02	9.76E-01	9.42E-01	1.13E+00	1.01E+00	6.04E+03
CHILD	TOTALS	3.63E+02	1.00E+00	9.50E-01	1.03E+00	9.82E-01	6.04E+03
TEENAGE	TOTALS	3.63E+02	1.06E+00	9.56E-01	9.92E-01	9.70E-01	6.04E+03
ADULT	TOTALS	3.63E+02	1.06E+00	9.63E-01	9.93E-01	9.73E-01	6.04E+03

NUMBER 16 NAME=Satellite X= 0.0KM, Y= 0.0KM, Z= 0.0M, DIST= 0.0KM, 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	4.62E+01	9.16E-01	8.77E-01	1.10E+00	9.61E-01	7.56E+02
CHILD	TOTALS	4.62E+01	9.45E-01	8.86E-01	9.85E-01	9.24E-01	7.56E+02
TEENAGE	TOTALS	4.62E+01	1.02E+00	8.93E-01	9.35E-01	9.09E-01	7.56E+02
ADULT	TOTALS	4.62E+01	1.01E+00	9.01E-01	9.36E-01	9.13E-01	7.56E+02

Program execution time = 0.84 seconds