



October 29, 2014

David Brown, CHP
Sr. Health Physicist
Office of Federal and State Materials and
Environmental Management Programs
U. S. Nuclear Regulatory Commission
Two White Flint North, Mailstop T8D22
11545 Rockville Pike
Rockville, MD 20852

Re: Jane Dough Amendment, Appendix JD-D11 Revisions and MILDOS REPORT, Uranerz Energy Corporation, (Docket No. 040-09067, TAC No. J00726)

Dear Mr. Brown:

Per discussion with NRC on October 28, 2014, Uranerz Energy Corporation (Uranerz) is submitting Addendum JD-D11-A along with minor page revisions to be inserted into Appendix JD-D11 of the Jane Dough Amendment. Six copies are enclosed and an Index of Change sheet is included for insertion instruction.

If you have questions, please contact me at 307-265-8900 or by email at: mthomas@uranerz.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Thomas", is written over a light blue horizontal line.

Mike Thomas
Vice President Regulatory and Public Affairs
Uranerz Energy Corporation

Enclosures

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INDEX SHEET FOR NRC SOURCE MATERIAL LICENSE AMENDMENTS OR REVISIONS

Page 1 of 1
Date 10-29-2014
Docket No.: 040-09067 – TAC J00726
LICENSE NO.: SUA-1597

MINE COMPANY NAME: Uranerz Energy Corporation
MINE NAME: Nichols Ranch ISR Project

Statement: I, Michael P. Thomas, an authorized representative of Uranerz Energy Corporation declare that only the items listed on this and all consecutively numbered Index Sheets are intended as revisions to the current permit document. In the event that other changes inadvertently occurred due to this revision, those unintentional alterations will not be considered approved. Please initial and date. mpt 10-29-14

NOTES:

- 1) Include all revision or change elements and a brief description of or reason for each revision element.
- 2) List all revision or change elements in sequence by volume number; number index sheets sequentially as needed.

Volume Number	Page, Map or other Permit Entry to be REMOVED	Page, Map or other Permit Entry to be ADDED	Description of Change
Volume I, Chapter 7	Pgs. TR-295, TR-302	Pgs. TR-295, TR-302	Text revised to include reference to Addendum JD-D11-A MILDOS report.
Volume X, Appendix JD-D11		Addendum JD-D1-A	Divider, and Addendum contents need to be inserted after Exhibit JD-D11-2.
Volume X, Appendix JD-D11	Table of Contents Pgs JD-D11-iii	Table of Contents Pgs JD-D11-iii	Text revised to include reference to Addendum JD-D11-A.
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* Bold text indicates new pages, figures, or exhibits.

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The computer code MILDOS-Area (MILDOS) was used to calculate both the release rates (source terms) and the dose commitments. The dose commitments include contribution from each of the Nichols Ranch, Hank Unit, and **Jane Dough Unit** sites. Extra-regional population doses are also estimated as a result of transport of radon. The results are provided as total effective dose equivalent per year.

The MILDOS-Area models presented in Addendum JD-D11-A used local meteorological data collect over a two-year from a weather station installed at the Nichols Ranch Central Processing Unit and operated by Uranerz.

7.3.1.2.1 Site Description

The physical description of the sites is provided in Chapter 3.0 of this report. The location of the sites is described in Figure 7-3 (see map pocket). The dose estimates are provided for intervals, directions, and elevations relative to the drying/packaging location at the Nichols Ranch facility; this location is subsequently referred to as the Nichols Ranch Central Processing Plant (mill center).

The fraction of radon attributable to the site was input as one for Casper, Wyoming.

7.3.1.2.8 Results

Dose modeling was completed as described above for the primary years of operation of the Nichols Ranch ISR Project, including the Nichols Ranch Unit, Hank Unit, and Jane Dough Unit. The operations modeled included wellfield development, production, and wellfield restoration. The source terms were adjusted to reflect actual periods of activity per year. The results of the dose modeling are summarized below with respect to the nearest residents, site boundaries, and the surrounding population. The 40 CFR 190 doses are zero because dose from radon is excluded from the scope of the standard. The report of the MILDOS code execution is provided as **Addendum JD-D11-A**.

7.3.1.2.8.1 Individual Receptor Dose

Estimated annual doses at individual receptor locations are shown in **Table 7-8**. The estimated doses result exclusively from radon daughters, since there are no particulate releases from the facility. The total effective dose equivalent (TEDE) is at least 100 times less than the dose limit to individual members of the public in 10 CFR 20 of 100 mrem/y.

Estimated annual doses at site boundary locations are shown in **Table 7-9**. The estimated doses result exclusively from radon daughters, since there are no particulate releases from the facility. The total effective dose equivalent (TEDE) is substantially less than the dose limit to individual members of the public in 10 CFR 20 of 100 mrem/y.

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MPH	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTALS

STABILITY CLASS 1																	
1.5	0.0460	0.0910	0.0460	0.0570	0.2050	0.2510	0.1480	0.2620	0.2280	0.2280	0.2740	0.2400	0.2620	0.1370	0.0910	0.0680	2.6340
5.5	0.2470	0.2920	0.1570	0.1240	0.1350	0.2700	0.2920	0.3150	0.3600	0.3820	0.3480	0.2920	0.6400	0.5500	0.2810	0.2360	4.9210
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	0.2930	0.3830	0.2030	0.1810	0.3400	0.5210	0.4400	0.5770	0.5880	0.6100	0.6220	0.5320	0.9020	0.6870	0.3720	0.3040	7.5550

STABILITY CLASS 2																	
1.5	0.0110	0.0000	0.0000	0.0230	0.1030	0.0680	0.0110	0.0000	0.0110	0.0110	0.0340	0.0110	0.0460	0.0110	0.0000	0.0000	0.3400
5.5	0.2020	0.1240	0.0340	0.1240	0.0790	0.2580	0.2810	0.2580	0.3930	0.3370	0.2580	0.2250	0.3820	0.3710	0.3030	0.2810	3.9100
10.0	0.0340	0.0000	0.0000	0.0000	0.0000	0.0230	0.0230	0.0230	0.0110	0.0230	0.0110	0.0340	0.0230	0.0450	0.0670	0.0560	0.3730
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	0.2470	0.1240	0.0340	0.1470	0.1820	0.3490	0.3150	0.2810	0.4150	0.3710	0.3030	0.2700	0.4510	0.4270	0.3700	0.3370	4.6230

STABILITY CLASS 3																	
1.5	0.0000	0.0000	0.0000	0.0110	0.0800	0.0340	0.0000	0.0110	0.0000	0.0000	0.0000	0.0340	0.0000	0.0110	0.0110	0.0000	0.1920
5.5	0.0670	0.0230	0.0230	0.0450	0.1460	0.1240	0.0790	0.0790	0.1120	0.1690	0.1010	0.1010	0.1570	0.2580	0.1010	0.1340	1.7190
10.0	0.5060	0.1120	0.0900	0.0670	0.0340	0.3030	0.2020	0.2130	0.2920	0.4720	0.5500	0.4610	0.5950	0.4040	0.3930	0.6070	5.3010
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	0.5730	0.1350	0.1130	0.1230	0.2600	0.4610	0.2810	0.3030	0.4040	0.6410	0.6510	0.5960	0.7520	0.6730	0.5050	0.7410	7.2120

STABILITY CLASS 4																	
1.5	0.0460	0.0110	0.0230	0.0910	0.5700	0.1140	0.0230	0.0110	0.0000	0.0230	0.0570	0.0340	0.0800	0.0800	0.0230	0.0230	1.2090
5.5	0.4160	0.3030	0.2250	1.0220	4.0670	0.9660	0.3600	0.2580	0.4270	0.6630	0.2250	0.2250	0.3480	0.7860	0.5950	0.5620	11.4480
10.0	1.6400	0.7410	0.6740	0.4720	1.3930	1.6740	0.4040	0.4490	0.8870	2.0450	1.2920	0.6520	0.6520	0.4720	0.9320	1.6510	16.0300
15.5	1.6000	0.5060	0.4490	0.1910	0.4720	1.5500	0.7860	0.2130	0.4490	3.1000	2.9540	1.2470	1.0340	0.4040	0.6290	2.1230	17.7070
21.5	0.4490	0.0670	0.0450	0.0110	0.0560	0.4610	0.2250	0.0790	0.0790	1.3930	2.2800	0.5390	0.4040	0.1800	0.1690	0.9770	7.4140
28.0	0.1460	0.0110	0.0000	0.0000	0.0230	0.1910	0.0670	0.0000	0.0110	0.5060	1.2020	0.2470	0.1460	0.0110	0.0340	0.4490	3.0440
ALL	4.2970	1.6390	1.4160	1.7870	6.5810	4.9560	1.8650	1.0100	1.8530	7.7300	8.0100	2.9440	2.6640	1.9330	2.3820	5.7850	56.8520

STABILITY CLASS 5																	
1.5	0.0000	0.0230	0.0000	0.1480	0.3420	0.1370	0.0340	0.0460	0.0230	0.0460	0.0340	0.1030	0.0460	0.1370	0.1250	0.0570	1.3010
5.5	0.1570	0.0790	0.0900	0.8990	4.8190	0.6290	0.3820	0.3480	0.3600	0.1690	0.0900	0.1120	0.2130	0.4040	0.3260	0.1460	9.2230
10.0	0.1350	0.1690	0.1350	0.1350	1.3480	0.5840	0.0340	0.0000	0.0560	0.0560	0.0340	0.0900	0.0560	0.1120	0.0790	0.1120	3.1350
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	0.2920	0.2710	0.2250	1.1820	6.5090	1.3500	0.4500	0.3940	0.4390	0.2710	0.1580	0.3050	0.3150	0.6530	0.5300	0.3150	13.6590

STABILITY CLASS 6																	
1.5	0.1710	0.0910	0.1600	0.3880	0.8100	0.7530	0.5250	0.3990	0.3190	0.2740	0.2510	0.2740	0.3080	0.3540	0.3190	0.1830	5.5790
5.5	0.1010	0.1240	0.0560	0.2580	0.4270	0.4830	0.5950	0.6850	0.3710	0.3260	0.1690	0.1010	0.2580	0.2020	0.2470	0.1230	4.5260
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	0.2720	0.2150	0.2160	0.6460	1.2370	1.2360	1.1200	1.0840	0.6900	0.6000	0.4200	0.3750	0.5660	0.5560	0.5660	0.3060	10.1050

ALL	5.9740	2.7670	2.2070	4.0660	15.1090	8.8730	4.4710	3.6490	4.3890	10.2230	10.1640	5.0220	5.6500	4.9290	4.7250	7.7880	100.0060

Uranerz - Nichols Ranch
 Uranerz - Nichols Ranch

CODE: MILDOS-AREA (02/97)
 DATA: uranerz4.MIL

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INDIVIDUAL RECEPTOR LOCATION DATA,							19 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	T-Chair Ranch	3.70	-2.20	-7.00	4.30	1	11	Nichols-west central	-1.40	0.50	12.00	1.49	1
2	Dry Fork Ranch	-2.70	-1.10	-58.00	2.92	1	12	Hank-north central	7.90	6.60	86.00	10.29	1
3	Christensen Ranch	1.80	7.80	-1.00	8.00	1	13	Hank-east central	8.80	3.30	160.00	9.40	1
4	Pfister Ranch	7.80	7.40	78.00	10.75	1	14	Hank-south central	7.90	1.30	139.00	8.01	1
5	Pumpkin Butte Ranch	11.10	3.60	218.00	11.67	1	15	Hank-west central	7.10	4.20	102.00	8.25	1
6	Van Buggenum Ranch	15.40	5.30	130.00	16.29	1	16	Jane Dough-north cen	0.40	-1.10	-15.00	1.17	1
7	Ruby Ranch	19.00	2.90	101.00	19.22	1	17	Jane Dough-east cent	2.20	-3.20	35.00	3.88	1
8	Nichols-north centra	-0.40	1.30	57.00	1.36	1	18	Jane Dough-south cen	0.40	-5.60	18.00	5.61	1
9	Nichols-east central	0.60	0.20	-2.00	0.63	1	19	Jane Dough-west cent	-1.00	-3.20	35.00	3.35	1
10	Nichols-south centra	-0.30	-1.10	-18.00	1.14	1							

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	2014.00	0.50	0.50	0.50	0.50	3120.00	345.00	134.00	2.50

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

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

TIME STEP DATA....	STEP NAMES	LENGTH, YRS	IFTODO
1	2014	1.00	1
2	2015	1.00	1
3	2016	1.00	1
4	2017	1.00	1
5	2018	1.00	1
6	2019	1.00	1
7	2020	1.00	1
8	2021	1.00	1
9	2022	1.00	1
10	2023	1.50	1

HO 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	0	0	0	0	0	0	0	0	0	0
30.0-40.0	0	0	0	0	1347	0	0	0	0	0	169	0	0	0	0	0
40.0-50.0	0	0	0	0	0	0	0	0	0	0	408	0	0	0	0	0
50.0-60.0	0	0	0	0	0	0	0	0	0	0	0	0	249	0	0	0
60.0-70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0-80.0	0	0	19646	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0-80.0	0	0	19646	0	1347	0	0	0	0	0	577	0	249	0	0	0

TOTAL 1-80 KM POPULATION IS 21819 PERSONS

Uranerz - Nichols Ranch
 Uranerz - Nichols Ranch

CODE: MILDOS-AREA (02/97)
 DATA: uranerz4.MIL

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NUMBER OF SOURCES= 9

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	-0.90	0.40	6.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-02	1001	1	0.00E+00	Nichols development
2	-0.90	0.40	6.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E+02	1002	1	0.00E+00	Nichols production
3	-0.90	0.40	6.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+02	1003	1	0.00E+00	Nichols restoration
4	8.20	3.50	9.99	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-02	1004	1	0.00E+00	Hank development
5	8.20	3.50	9.99	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+02	1005	1	0.00E+00	Hank production
6	8.20	3.50	9.99	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E+02	1006	1	0.00E+00	Hank restoration
7	0.10	-3.00	36.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-02	1007	1	0.00E+00	Jane Dough developm
8	0.10	-3.00	36.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E+02	1008	1	0.00E+00	Jane Dough producti
9	0.10	-3.00	36.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+02	1009	1	0.00E+00	Jane Dough restorat

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, 10 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 1.00YRS	TSTEP 2 1.00YRS	TSTEP 3 1.00YRS	TSTEP 4 1.00YRS	TSTEP 5 1.00YRS	TSTEP 6 1.00YRS	TSTEP 7 1.00YRS	TSTEP 8 1.00YRS	TSTEP 9 1.00YRS	TSTEP10 1.50YRS
1	1.000E+00	0.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	0.000E+00	0.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	0.000E+00	1.000E+00	0.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	0.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	0.000E+00	0.000E+00	0.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00
7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00	0.000E+00	0.000E+00	1.000E+00	0.000E+00	0.000E+00
8	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00	1.000E+00	1.000E+00
9	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	0.000E+00

RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 10 TIME STEP(S) USED FOR THIS RUN

SOURCE NUMBER	TSTEP 1 1.00YRS	TSTEP 2 1.00YRS	TSTEP 3 1.00YRS	TSTEP 4 1.00YRS	TSTEP 5 1.00YRS	TSTEP 6 1.00YRS	TSTEP 7 1.00YRS	TSTEP 8 1.00YRS	TSTEP 9 1.00YRS	TSTEP10 1.50YRS
1	2.500E-01	0.000E+00	2.500E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
2	7.500E-01	1.000E+00	5.000E-01	1.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
3	0.000E+00	0.000E+00	7.500E-01	1.000E+00	2.000E+00	1.250E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
4	0.000E+00	2.500E-01	0.000E+00	2.500E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
5	0.000E+00	5.000E-01	1.000E+00	7.500E-01	1.000E+00	7.500E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
6	0.000E+00	0.000E+00	0.000E+00	5.000E-01	1.000E+00	1.250E+00	2.000E+00	1.750E+00	5.000E-01	0.000E+00
7	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.500E-01	0.000E+00	0.000E+00	2.500E-01	0.000E+00	0.000E+00
8	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.500E-01	1.000E+00	1.000E+00	7.500E-01	2.500E-01	0.000E+00
9	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00	1.500E+00	2.500E+00

TIME STEP NUMBER 1, 2014

DURATION IN YRS IS... 1.0

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.	2.073E-03	1.678E-02	2.761E-04	1.258E-02	6.052E-03	8.611E-01
GROUND	1.025E-04	1.025E-04	1.025E-04	1.025E-04	1.025E-04	1.025E-04
CLOUD	7.388E-03	7.388E-03	7.388E-03	7.388E-03	7.388E-03	7.388E-03
VEG. ING	1.281E-02	1.480E-01	1.281E-02	4.400E-02	3.584E-02	1.281E-02
MEAT ING	6.744E-04	7.793E-03	6.744E-04	2.316E-03	1.887E-03	6.744E-04
MILK ING	1.369E-04	1.582E-03	1.369E-04	4.702E-04	3.830E-04	1.369E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	2.319E-02	1.817E-01	2.139E-02	6.686E-02	5.165E-02	8.822E-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	1.203E-01	1.390E+00	1.203E-01	4.131E-01	3.365E-01	1.203E-01
MEAT ING	1.411E-03	1.630E-02	1.411E-03	4.846E-03	3.947E-03	1.411E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	1.380E+00	1.881E+01	3.136E-01	1.380E+00	1.380E+00	8.780E+00
TOTALS	1.501E+00	2.022E+01	4.353E-01	1.798E+00	1.720E+00	8.902E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.073E-03	1.678E-02	2.761E-04	1.258E-02	6.052E-03	8.611E-01
GROUND	1.025E-04	1.025E-04	1.025E-04	1.025E-04	1.025E-04	1.025E-04
CLOUD	7.388E-03	7.388E-03	7.388E-03	7.388E-03	7.388E-03	7.388E-03
VEG. ING	1.331E-01	1.538E+00	1.331E-01	4.571E-01	3.724E-01	1.331E-01
MEAT ING	2.085E-03	2.410E-02	2.085E-03	7.162E-03	5.834E-03	2.085E-03
MILK ING	1.369E-04	1.582E-03	1.369E-04	4.702E-04	3.830E-04	1.369E-04
RNPLUS50	1.380E+00	1.881E+01	3.136E-01	1.380E+00	1.380E+00	8.780E+00
TOTALS	1.525E+00	2.040E+01	4.567E-01	1.865E+00	1.772E+00	9.784E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, 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	4.82E-02	4.48E-03	3.90E-03	7.18E-03	5.14E-03	7.39E-01
CHILD	TOTALS	4.81E-02	4.90E-03	4.04E-03	5.49E-03	4.59E-03	7.39E-01
TEENAGE	TOTALS	4.81E-02	5.98E-03	4.13E-03	4.75E-03	4.37E-03	7.39E-01
ADULT	TOTALS	4.82E-02	5.89E-03	4.25E-03	4.77E-03	4.42E-03	7.39E-01

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	2.11E-02	5.58E-04	5.36E-04	6.60E-04	5.83E-04	3.42E-01
CHILD	TOTALS	2.11E-02	5.74E-04	5.41E-04	5.96E-04	5.62E-04	3.42E-01
TEENAGE	TOTALS	2.11E-02	6.15E-04	5.45E-04	5.68E-04	5.54E-04	3.42E-01
ADULT	TOTALS	2.11E-02	6.11E-04	5.49E-04	5.69E-04	5.56E-04	3.42E-01

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

CODE: MILDOS-AREA (02/97)
DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	3.31E-02	3.03E-03	2.48E-03	5.58E-03	3.65E-03	5.11E-01
CHILD	TOTALS	3.31E-02	3.42E-03	2.61E-03	3.98E-03	3.13E-03	5.11E-01
TEENAGE	TOTALS	3.31E-02	4.44E-03	2.70E-03	3.29E-03	2.93E-03	5.11E-01
ADULT	TOTALS	3.31E-02	4.36E-03	2.81E-03	3.30E-03	2.97E-03	5.11E-01

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	1.98E-02	2.37E-03	1.74E-03	5.29E-03	3.08E-03	3.00E-01
CHILD	TOTALS	1.97E-02	2.82E-03	1.89E-03	3.47E-03	2.49E-03	3.00E-01
TEENAGE	TOTALS	1.98E-02	3.99E-03	1.99E-03	2.67E-03	2.25E-03	3.00E-01
ADULT	TOTALS	1.98E-02	3.89E-03	2.12E-03	2.68E-03	2.30E-03	3.00E-01

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Uranerz - Nichols Ranch DATA: uranerz4.MIL
 TIME STEP NUMBER 1, 2014

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 DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	1.58E-02	2.36E-03	1.66E-03	5.61E-03	3.15E-03	2.34E-01
CHILD	TOTALS	1.57E-02	2.86E-03	1.82E-03	3.58E-03	2.49E-03	2.34E-01
TEENAGE	TOTALS	1.58E-02	4.17E-03	1.94E-03	2.69E-03	2.23E-03	2.34E-01
ADULT	TOTALS	1.58E-02	4.06E-03	2.08E-03	2.71E-03	2.28E-03	2.34E-01

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.08E-02	1.93E-03	1.22E-03	5.19E-03	2.72E-03	1.58E-01
CHILD	TOTALS	1.07E-02	2.43E-03	1.39E-03	3.15E-03	2.05E-03	1.58E-01
TEENAGE	TOTALS	1.08E-02	3.74E-03	1.50E-03	2.26E-03	1.79E-03	1.58E-01
ADULT	TOTALS	1.08E-02	3.63E-03	1.64E-03	2.27E-03	1.85E-03	1.58E-01

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
: Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	9.86E-03	1.92E-03	1.17E-03	5.40E-03	2.77E-03	1.43E-01
CHILD	TOTALS	9.79E-03	2.46E-03	1.35E-03	3.23E-03	2.06E-03	1.43E-01
TEENAGE	TOTALS	9.83E-03	3.85E-03	1.47E-03	2.27E-03	1.78E-03	1.43E-01
ADULT	TOTALS	9.85E-03	3.74E-03	1.62E-03	2.29E-03	1.84E-03	1.43E-01

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	5.78E-01	6.70E-03	6.61E-03	7.12E-03	6.80E-03	9.52E+00
CHILD	TOTALS	5.78E-01	6.76E-03	6.63E-03	6.86E-03	6.71E-03	9.52E+00
TEENAGE	TOTALS	5.78E-01	6.93E-03	6.64E-03	6.74E-03	6.68E-03	9.52E+00
ADULT	TOTALS	5.78E-01	6.92E-03	6.66E-03	6.74E-03	6.69E-03	9.52E+00

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 : Uranerz - Nichols Ranch DATA: uranerz4.MIL
 TIME STEP NUMBER 1, 2014

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 03/18/14
 DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	2.61E-01	7.09E-03	6.91E-03	7.93E-03	7.30E-03	4.24E+00
CHILD	TOTALS	2.61E-01	7.22E-03	6.95E-03	7.41E-03	7.12E-03	4.24E+00
TEENAGE	TOTALS	2.61E-01	7.56E-03	6.98E-03	7.18E-03	7.06E-03	4.24E+00
ADULT	TOTALS	2.61E-01	7.53E-03	7.02E-03	7.18E-03	7.07E-03	4.24E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.48E-01	2.44E-03	2.38E-03	2.74E-03	2.52E-03	2.43E+00
CHILD	TOTALS	1.48E-01	2.49E-03	2.40E-03	2.55E-03	2.46E-03	2.43E+00
TEENAGE	TOTALS	1.48E-01	2.61E-03	2.41E-03	2.47E-03	2.43E-03	2.43E+00
ADULT	TOTALS	1.48E-01	2.60E-03	2.42E-03	2.48E-03	2.44E-03	2.43E+00

Location: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Site: Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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03/18/14
DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	5.23E+00	2.72E-02	2.71E-02	2.77E-02	2.74E-02	8.67E+01
CHILD	TOTALS	5.23E+00	2.73E-02	2.72E-02	2.74E-02	2.73E-02	8.67E+01
TEENAGE	TOTALS	5.23E+00	2.75E-02	2.72E-02	2.73E-02	2.72E-02	8.67E+01
ADULT	TOTALS	5.23E+00	2.75E-02	2.72E-02	2.73E-02	2.72E-02	8.67E+01

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	2.01E-02	2.45E-03	1.81E-03	5.41E-03	3.17E-03	3.04E-01
CHILD	TOTALS	2.00E-02	2.90E-03	1.96E-03	3.56E-03	2.56E-03	3.04E-01
TEENAGE	TOTALS	2.01E-02	4.09E-03	2.06E-03	2.74E-03	2.32E-03	3.04E-01
ADULT	TOTALS	2.01E-02	3.99E-03	2.19E-03	2.76E-03	2.38E-03	3.04E-01

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
: Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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03/18/14
DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	1.95E-02	2.62E-03	1.95E-03	5.74E-03	3.38E-03	2.92E-01
CHILD	TOTALS	1.94E-02	3.10E-03	2.10E-03	3.79E-03	2.74E-03	2.92E-01
TEENAGE	TOTALS	1.95E-02	4.35E-03	2.21E-03	2.94E-03	2.49E-03	2.92E-01
ADULT	TOTALS	1.95E-02	4.25E-03	2.35E-03	2.95E-03	2.55E-03	2.92E-01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	2.50E-02	3.09E-03	2.40E-03	6.27E-03	3.86E-03	3.75E-01
CHILD	TOTALS	2.49E-02	3.57E-03	2.56E-03	4.28E-03	3.21E-03	3.75E-01
TEENAGE	TOTALS	2.49E-02	4.86E-03	2.67E-03	3.41E-03	2.96E-03	3.75E-01
ADULT	TOTALS	2.49E-02	4.75E-03	2.81E-03	3.42E-03	3.01E-03	3.75E-01

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
: Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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03/18/14
DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	2.17E-02	2.69E-03	2.06E-03	5.60E-03	3.39E-03	3.27E-01
CHILD	TOTALS	2.17E-02	3.13E-03	2.20E-03	3.78E-03	2.80E-03	3.27E-01
TEENAGE	TOTALS	2.17E-02	4.30E-03	2.31E-03	2.98E-03	2.57E-03	3.27E-01
ADULT	TOTALS	2.17E-02	4.21E-03	2.43E-03	3.00E-03	2.62E-03	3.27E-01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	4.38E-03	4.22E-03	5.14E-03	4.57E-03	2.12E+00
CHILD	TOTALS	1.31E-01	4.50E-03	4.26E-03	4.67E-03	4.41E-03	2.12E+00
TEENAGE	TOTALS	1.31E-01	4.80E-03	4.29E-03	4.46E-03	4.35E-03	2.12E+00
ADULT	TOTALS	1.31E-01	4.78E-03	4.32E-03	4.46E-03	4.37E-03	2.12E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 1, 2014

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DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	4.94E-02	4.06E-03	3.59E-03	6.24E-03	4.59E-03	7.65E-01
CHILD	TOTALS	4.94E-02	4.39E-03	3.70E-03	4.88E-03	4.14E-03	7.65E-01
TEENAGE	TOTALS	4.94E-02	5.27E-03	3.78E-03	4.28E-03	3.97E-03	7.65E-01
ADULT	TOTALS	4.94E-02	5.20E-03	3.87E-03	4.29E-03	4.01E-03	7.65E-01

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	3.07E-02	2.23E-03	1.92E-03	3.66E-03	2.57E-03	4.80E-01
CHILD	TOTALS	3.06E-02	2.45E-03	1.99E-03	2.76E-03	2.28E-03	4.80E-01
TEENAGE	TOTALS	3.06E-02	3.02E-03	2.04E-03	2.37E-03	2.17E-03	4.80E-01
ADULT	TOTALS	3.07E-02	2.97E-03	2.10E-03	2.38E-03	2.19E-03	4.80E-01

Location: Uranerz - Nichols Ranch
Code: MILDOS-AREA (02/97)
Data: uranerz4.MIL
Time Step Number 1, 2014

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03/18/14
Duration in Yrs is... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	4.94E-02	2.51E-03	2.32E-03	3.44E-03	2.74E-03	7.85E-01
CHILD	TOTALS	4.93E-02	2.66E-03	2.36E-03	2.86E-03	2.55E-03	7.85E-01
TEENAGE	TOTALS	4.93E-02	3.03E-03	2.39E-03	2.61E-03	2.48E-03	7.85E-01
ADULT	TOTALS	4.93E-02	3.00E-03	2.43E-03	2.61E-03	2.49E-03	7.85E-01

TIME STEP NUMBER 2, 2015

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 2--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.	4.829E-03	3.910E-02	6.385E-04	2.932E-02	1.410E-02	2.150E+00
GROUND	2.597E-04	2.597E-04	2.597E-04	2.597E-04	2.597E-04	2.597E-04
CLOUD	1.834E-02	1.834E-02	1.834E-02	1.834E-02	1.834E-02	1.834E-02
VEG. ING	3.008E-02	3.476E-01	3.008E-02	1.033E-01	8.414E-02	3.008E-02
MEAT ING	1.591E-03	1.838E-02	1.591E-03	5.463E-03	4.450E-03	1.591E-03
MILK ING	3.229E-04	3.731E-03	3.229E-04	1.109E-03	9.033E-04	3.229E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	5.542E-02	4.274E-01	5.123E-02	1.578E-01	1.222E-01	2.201E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	2.824E-01	3.263E+00	2.824E-01	9.699E-01	7.900E-01	2.824E-01
MEAT ING	3.328E-03	3.846E-02	3.328E-03	1.143E-02	9.310E-03	3.328E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.671E+00	3.643E+01	6.071E-01	2.671E+00	2.671E+00	1.700E+01
TOTALS	2.957E+00	3.973E+01	8.929E-01	3.653E+00	3.471E+00	1.728E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.829E-03	3.910E-02	6.385E-04	2.932E-02	1.410E-02	2.150E+00
GROUND	2.597E-04	2.597E-04	2.597E-04	2.597E-04	2.597E-04	2.597E-04
CLOUD	1.834E-02	1.834E-02	1.834E-02	1.834E-02	1.834E-02	1.834E-02
VEG. ING	3.125E-01	3.611E+00	3.125E-01	1.073E+00	8.742E-01	3.125E-01
MEAT ING	4.919E-03	5.684E-02	4.919E-03	1.689E-02	1.376E-02	4.919E-03
MILK ING	3.229E-04	3.731E-03	3.229E-04	1.109E-03	9.033E-04	3.229E-04
RNPLUS50	2.671E+00	3.643E+01	6.071E-01	2.671E+00	2.671E+00	1.700E+01
TOTALS	3.012E+00	4.016E+01	9.441E-01	3.810E+00	3.593E+00	1.949E+01

Uranerz - Nichols Ranch
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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	7.64E-02	7.20E-03	6.20E-03	1.18E-02	8.32E-03	1.17E+00
CHILD	TOTALS	7.63E-02	7.91E-03	6.44E-03	8.93E-03	7.38E-03	1.17E+00
TEENAGE	TOTALS	7.63E-02	9.77E-03	6.60E-03	7.67E-03	7.02E-03	1.17E+00
ADULT	TOTALS	7.64E-02	9.62E-03	6.80E-03	7.69E-03	7.10E-03	1.17E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	4.08E-02	2.57E-03	2.07E-03	4.86E-03	3.12E-03	6.45E-01
CHILD	TOTALS	4.07E-02	2.92E-03	2.19E-03	3.42E-03	2.66E-03	6.45E-01
TEENAGE	TOTALS	4.07E-02	3.84E-03	2.27E-03	2.80E-03	2.47E-03	6.45E-01
ADULT	TOTALS	4.07E-02	3.76E-03	2.37E-03	2.81E-03	2.51E-03	6.45E-01

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DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	8.92E-02	9.49E-03	7.67E-03	1.79E-02	1.15E-02	1.36E+00
CHILD	TOTALS	8.90E-02	1.08E-02	8.09E-03	1.26E-02	9.82E-03	1.36E+00
TEENAGE	TOTALS	8.91E-02	1.42E-02	8.39E-03	1.03E-02	9.14E-03	1.36E+00
ADULT	TOTALS	8.92E-02	1.39E-02	8.76E-03	1.04E-02	9.29E-03	1.36E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	9.17E-02	8.00E-03	6.72E-03	1.39E-02	9.44E-03	1.42E+00
CHILD	TOTALS	9.16E-02	8.91E-03	7.02E-03	1.02E-02	8.23E-03	1.42E+00
TEENAGE	TOTALS	9.16E-02	1.13E-02	7.23E-03	8.60E-03	7.76E-03	1.42E+00
ADULT	TOTALS	9.17E-02	1.11E-02	7.49E-03	8.63E-03	7.86E-03	1.42E+00

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 DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	1.18E-01	8.81E-03	7.51E-03	1.48E-02	1.03E-02	1.85E+00
CHILD	TOTALS	1.18E-01	9.74E-03	7.81E-03	1.11E-02	9.05E-03	1.85E+00
TEENAGE	TOTALS	1.18E-01	1.22E-02	8.03E-03	9.42E-03	8.56E-03	1.85E+00
ADULT	TOTALS	1.18E-01	1.20E-02	8.29E-03	9.45E-03	8.67E-03	1.85E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	4.30E-02	5.83E-03	4.26E-03	1.31E-02	7.60E-03	6.44E-01
CHILD	TOTALS	4.29E-02	6.95E-03	4.63E-03	8.55E-03	6.11E-03	6.44E-01
TEENAGE	TOTALS	4.30E-02	9.87E-03	4.88E-03	6.56E-03	5.53E-03	6.44E-01
ADULT	TOTALS	4.30E-02	9.63E-03	5.20E-03	6.60E-03	5.66E-03	6.44E-01

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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	3.34E-02	5.36E-03	3.63E-03	1.34E-02	7.30E-03	4.92E-01
CHILD	TOTALS	3.32E-02	6.59E-03	4.04E-03	8.36E-03	5.67E-03	4.92E-01
TEENAGE	TOTALS	3.33E-02	9.81E-03	4.32E-03	6.17E-03	5.03E-03	4.92E-01
ADULT	TOTALS	3.34E-02	9.54E-03	4.67E-03	6.21E-03	5.17E-03	4.92E-01

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	8.19E-01	1.51E-02	1.37E-02	2.16E-02	1.67E-02	1.34E+01
CHILD	TOTALS	8.19E-01	1.61E-02	1.40E-02	1.75E-02	1.53E-02	1.34E+01
TEENAGE	TOTALS	8.19E-01	1.87E-02	1.42E-02	1.57E-02	1.48E-02	1.34E+01
ADULT	TOTALS	8.19E-01	1.85E-02	1.45E-02	1.58E-02	1.49E-02	1.34E+01

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DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	3.76E-01	1.30E-02	1.20E-02	1.76E-02	1.41E-02	6.07E+00
CHILD	TOTALS	3.76E-01	1.37E-02	1.23E-02	1.47E-02	1.32E-02	6.07E+00
TEENAGE	TOTALS	3.76E-01	1.56E-02	1.24E-02	1.35E-02	1.28E-02	6.07E+00
ADULT	TOTALS	3.76E-01	1.54E-02	1.26E-02	1.35E-02	1.29E-02	6.07E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.16E-01	5.78E-03	5.10E-03	8.88E-03	6.53E-03	3.51E+00
CHILD	TOTALS	2.16E-01	6.25E-03	5.26E-03	6.94E-03	5.90E-03	3.51E+00
TEENAGE	TOTALS	2.16E-01	7.50E-03	5.37E-03	6.09E-03	5.65E-03	3.51E+00
ADULT	TOTALS	2.16E-01	7.40E-03	5.51E-03	6.11E-03	5.70E-03	3.51E+00

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 DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	7.00E+00	4.10E-02	3.98E-02	4.68E-02	4.24E-02	1.16E+02
CHILD	TOTALS	7.00E+00	4.19E-02	4.01E-02	4.32E-02	4.12E-02	1.16E+02
TEENAGE	TOTALS	7.00E+00	4.42E-02	4.03E-02	4.16E-02	4.08E-02	1.16E+02
ADULT	TOTALS	7.00E+00	4.40E-02	4.05E-02	4.16E-02	4.09E-02	1.16E+02

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	1.16E-01	8.63E-03	7.41E-03	1.43E-02	1.00E-02	1.81E+00
CHILD	TOTALS	1.16E-01	9.50E-03	7.70E-03	1.07E-02	8.85E-03	1.81E+00
TEENAGE	TOTALS	1.16E-01	1.18E-02	7.89E-03	9.20E-03	8.40E-03	1.81E+00
ADULT	TOTALS	1.16E-01	1.16E-02	8.14E-03	9.23E-03	8.50E-03	1.81E+00

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DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	1.25E+00	1.35E-02	1.26E-02	1.80E-02	1.46E-02	2.06E+01
CHILD	TOTALS	1.25E+00	1.42E-02	1.28E-02	1.52E-02	1.37E-02	2.06E+01
TEENAGE	TOTALS	1.25E+00	1.60E-02	1.29E-02	1.40E-02	1.33E-02	2.06E+01
ADULT	TOTALS	1.25E+00	1.59E-02	1.31E-02	1.40E-02	1.34E-02	2.06E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	1.23E-01	6.91E-03	5.87E-03	1.17E-02	8.07E-03	1.96E+00
CHILD	TOTALS	1.23E-01	7.65E-03	6.12E-03	8.70E-03	7.10E-03	1.96E+00
TEENAGE	TOTALS	1.23E-01	9.58E-03	6.29E-03	7.39E-03	6.71E-03	1.96E+00
ADULT	TOTALS	1.23E-01	9.42E-03	6.50E-03	7.42E-03	6.80E-03	1.96E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	6.07E-01	1.72E-02	1.61E-02	2.24E-02	1.84E-02	9.86E+00
CHILD	TOTALS	6.07E-01	1.80E-02	1.63E-02	1.91E-02	1.74E-02	9.86E+00
TEENAGE	TOTALS	6.07E-01	2.01E-02	1.65E-02	1.77E-02	1.70E-02	9.86E+00
ADULT	TOTALS	6.07E-01	1.99E-02	1.67E-02	1.77E-02	1.71E-02	9.86E+00

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	8.32E-03	7.56E-03	1.19E-02	9.18E-03	3.12E+00
CHILD	TOTALS	1.94E-01	8.86E-03	7.74E-03	9.65E-03	8.46E-03	3.12E+00
TEENAGE	TOTALS	1.94E-01	1.03E-02	7.86E-03	8.68E-03	8.18E-03	3.12E+00
ADULT	TOTALS	1.94E-01	1.02E-02	8.01E-03	8.70E-03	8.24E-03	3.12E+00

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 Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	7.54E-02	6.55E-03	5.66E-03	1.06E-02	7.54E-03	1.16E+00
CHILD	TOTALS	7.53E-02	7.17E-03	5.87E-03	8.07E-03	6.71E-03	1.16E+00
TEENAGE	TOTALS	7.54E-02	8.82E-03	6.02E-03	6.96E-03	6.38E-03	1.16E+00
ADULT	TOTALS	7.54E-02	8.68E-03	6.19E-03	6.98E-03	6.45E-03	1.16E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	4.78E-02	3.92E-03	3.25E-03	7.04E-03	4.68E-03	7.43E-01
CHILD	TOTALS	4.77E-02	4.40E-03	3.41E-03	5.09E-03	4.05E-03	7.43E-01
TEENAGE	TOTALS	4.78E-02	5.66E-03	3.52E-03	4.24E-03	3.80E-03	7.43E-01
ADULT	TOTALS	4.78E-02	5.55E-03	3.65E-03	4.26E-03	3.85E-03	7.43E-01

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
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DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	7.83E-02	5.18E-03	4.43E-03	8.68E-03	6.03E-03	1.23E+00
CHILD	TOTALS	7.83E-02	5.72E-03	4.60E-03	6.49E-03	5.32E-03	1.23E+00
TEENAGE	TOTALS	7.83E-02	7.12E-03	4.73E-03	5.53E-03	5.04E-03	1.23E+00
ADULT	TOTALS	7.83E-02	7.01E-03	4.88E-03	5.55E-03	5.10E-03	1.23E+00

TIME STEP NUMBER 3, 2016

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 3--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.	7.677E-03	6.215E-02	1.013E-03	4.661E-02	2.242E-02	3.477E+00
GROUND	4.276E-04	4.276E-04	4.276E-04	4.276E-04	4.276E-04	4.276E-04
CLOUD	2.961E-02	2.961E-02	2.961E-02	2.961E-02	2.961E-02	2.961E-02
VEG. ING	4.797E-02	5.543E-01	4.797E-02	1.647E-01	1.342E-01	4.797E-02
MEAT ING	2.550E-03	2.946E-02	2.550E-03	8.757E-03	7.132E-03	2.550E-03
MILK ING	5.175E-04	5.980E-03	5.175E-04	1.777E-03	1.448E-03	5.175E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	8.875E-02	6.819E-01	8.209E-02	2.519E-01	1.952E-01	3.558E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	4.504E-01	5.204E+00	4.504E-01	1.547E+00	1.260E+00	4.504E-01
MEAT ING	5.334E-03	6.164E-02	5.334E-03	1.832E-02	1.492E-02	5.334E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	4.243E+00	5.786E+01	9.644E-01	4.243E+00	4.243E+00	2.700E+01
TOTALS	4.699E+00	6.313E+01	1.420E+00	5.808E+00	5.518E+00	2.746E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	7.677E-03	6.215E-02	1.013E-03	4.661E-02	2.242E-02	3.477E+00
GROUND	4.276E-04	4.276E-04	4.276E-04	4.276E-04	4.276E-04	4.276E-04
CLOUD	2.961E-02	2.961E-02	2.961E-02	2.961E-02	2.961E-02	2.961E-02
VEG. ING	4.983E-01	5.758E+00	4.983E-01	1.712E+00	1.394E+00	4.983E-01
MEAT ING	7.884E-03	9.110E-02	7.884E-03	2.708E-02	2.205E-02	7.884E-03
MILK ING	5.175E-04	5.980E-03	5.175E-04	1.777E-03	1.448E-03	5.175E-04
RNPLUS50	4.243E+00	5.786E+01	9.644E-01	4.243E+00	4.243E+00	2.700E+01
TOTALS	4.788E+00	6.381E+01	1.502E+00	6.060E+00	5.713E+00	3.102E+01

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.07E-01	1.01E-02	8.68E-03	1.68E-02	1.17E-02	1.64E+00
CHILD	TOTALS	1.07E-01	1.12E-02	9.02E-03	1.26E-02	1.04E-02	1.64E+00
TEENAGE	TOTALS	1.07E-01	1.38E-02	9.26E-03	1.08E-02	9.85E-03	1.64E+00
ADULT	TOTALS	1.07E-01	1.36E-02	9.55E-03	1.08E-02	9.97E-03	1.64E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	6.14E-02	4.60E-03	3.63E-03	9.08E-03	5.69E-03	9.62E-01
CHILD	TOTALS	6.13E-02	5.29E-03	3.86E-03	6.28E-03	4.78E-03	9.62E-01
TEENAGE	TOTALS	6.13E-02	7.10E-03	4.02E-03	5.06E-03	4.42E-03	9.62E-01
ADULT	TOTALS	6.14E-02	6.95E-03	4.22E-03	5.08E-03	4.50E-03	9.62E-01

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
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DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	1.47E-01	1.61E-02	1.30E-02	3.05E-02	1.96E-02	2.23E+00
CHILD	TOTALS	1.46E-01	1.83E-02	1.37E-02	2.15E-02	1.66E-02	2.23E+00
TEENAGE	TOTALS	1.47E-01	2.41E-02	1.42E-02	1.75E-02	1.55E-02	2.23E+00
ADULT	TOTALS	1.47E-01	2.36E-02	1.48E-02	1.76E-02	1.57E-02	2.23E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	1.64E-01	1.37E-02	1.18E-02	2.28E-02	1.59E-02	2.55E+00
CHILD	TOTALS	1.64E-01	1.51E-02	1.22E-02	1.71E-02	1.41E-02	2.55E+00
TEENAGE	TOTALS	1.64E-01	1.88E-02	1.26E-02	1.46E-02	1.34E-02	2.55E+00
ADULT	TOTALS	1.64E-01	1.85E-02	1.30E-02	1.47E-02	1.35E-02	2.55E+00

Location: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
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 DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	2.22E-01	1.54E-02	1.34E-02	2.43E-02	1.75E-02	3.48E+00
CHILD	TOTALS	2.22E-01	1.67E-02	1.39E-02	1.87E-02	1.57E-02	3.48E+00
TEENAGE	TOTALS	2.22E-01	2.03E-02	1.42E-02	1.63E-02	1.50E-02	3.48E+00
ADULT	TOTALS	2.22E-01	2.01E-02	1.46E-02	1.63E-02	1.52E-02	3.48E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	7.58E-02	9.82E-03	7.35E-03	2.12E-02	1.26E-02	1.14E+00
CHILD	TOTALS	7.55E-02	1.16E-02	7.93E-03	1.41E-02	1.03E-02	1.14E+00
TEENAGE	TOTALS	7.57E-02	1.62E-02	8.33E-03	1.10E-02	9.35E-03	1.14E+00
ADULT	TOTALS	7.58E-02	1.58E-02	8.84E-03	1.10E-02	9.56E-03	1.14E+00

Uranerz - Nichols Ranch
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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	5.73E-02	8.88E-03	6.15E-03	2.15E-02	1.20E-02	8.48E-01
CHILD	TOTALS	5.71E-02	1.08E-02	6.79E-03	1.36E-02	9.38E-03	8.48E-01
TEENAGE	TOTALS	5.72E-02	1.59E-02	7.24E-03	1.02E-02	8.37E-03	8.48E-01
ADULT	TOTALS	5.73E-02	1.55E-02	7.79E-03	1.02E-02	8.59E-03	8.48E-01

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	1.09E+00	2.38E-02	2.10E-02	3.64E-02	2.68E-02	1.78E+01
CHILD	TOTALS	1.09E+00	2.57E-02	2.17E-02	2.85E-02	2.43E-02	1.78E+01
TEENAGE	TOTALS	1.09E+00	3.08E-02	2.21E-02	2.50E-02	2.33E-02	1.78E+01
ADULT	TOTALS	1.09E+00	3.04E-02	2.27E-02	2.51E-02	2.35E-02	1.78E+01

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DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	5.02E-01	1.93E-02	1.75E-02	2.76E-02	2.13E-02	8.09E+00
CHILD	TOTALS	5.02E-01	2.06E-02	1.79E-02	2.24E-02	1.96E-02	8.09E+00
TEENAGE	TOTALS	5.02E-01	2.39E-02	1.82E-02	2.01E-02	1.89E-02	8.09E+00
ADULT	TOTALS	5.02E-01	2.36E-02	1.86E-02	2.02E-02	1.91E-02	8.09E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.90E-01	9.21E-03	7.93E-03	1.52E-02	1.07E-02	4.71E+00
CHILD	TOTALS	2.90E-01	1.01E-02	8.23E-03	1.14E-02	9.45E-03	4.71E+00
TEENAGE	TOTALS	2.90E-01	1.25E-02	8.44E-03	9.82E-03	8.97E-03	4.71E+00
ADULT	TOTALS	2.90E-01	1.23E-02	8.70E-03	9.85E-03	9.08E-03	4.71E+00

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DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	9.01E+00	5.60E-02	5.36E-02	6.70E-02	5.86E-02	1.49E+02
CHILD	TOTALS	9.01E+00	5.77E-02	5.41E-02	6.01E-02	5.64E-02	1.49E+02
TEENAGE	TOTALS	9.01E+00	6.21E-02	5.45E-02	5.71E-02	5.55E-02	1.49E+02
ADULT	TOTALS	9.01E+00	6.17E-02	5.50E-02	5.71E-02	5.57E-02	1.49E+02

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	2.12E-01	1.49E-02	1.31E-02	2.34E-02	1.70E-02	3.33E+00
CHILD	TOTALS	2.12E-01	1.62E-02	1.35E-02	1.81E-02	1.52E-02	3.33E+00
TEENAGE	TOTALS	2.12E-01	1.96E-02	1.38E-02	1.58E-02	1.46E-02	3.33E+00
ADULT	TOTALS	2.12E-01	1.94E-02	1.42E-02	1.58E-02	1.47E-02	3.33E+00

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 DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	2.45E-02	2.32E-02	3.05E-02	2.60E-02	4.09E+01
CHILD	TOTALS	2.48E+00	2.54E-02	2.36E-02	2.68E-02	2.48E-02	4.09E+01
TEENAGE	TOTALS	2.48E+00	2.78E-02	2.38E-02	2.51E-02	2.43E-02	4.09E+01
ADULT	TOTALS	2.48E+00	2.76E-02	2.40E-02	2.52E-02	2.44E-02	4.09E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	2.23E-01	1.09E-02	9.46E-03	1.74E-02	1.25E-02	3.56E+00
CHILD	TOTALS	2.23E-01	1.19E-02	9.79E-03	1.33E-02	1.11E-02	3.56E+00
TEENAGE	TOTALS	2.23E-01	1.45E-02	1.00E-02	1.15E-02	1.06E-02	3.56E+00
ADULT	TOTALS	2.23E-01	1.43E-02	1.03E-02	1.16E-02	1.07E-02	3.56E+00

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DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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+00	3.18E-02	3.01E-02	3.94E-02	3.36E-02	1.94E+01
CHILD	TOTALS	1.19E+00	3.30E-02	3.05E-02	3.46E-02	3.21E-02	1.94E+01
TEENAGE	TOTALS	1.19E+00	3.60E-02	3.08E-02	3.26E-02	3.15E-02	1.94E+01
ADULT	TOTALS	1.19E+00	3.58E-02	3.11E-02	3.26E-02	3.16E-02	1.94E+01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	2.63E-01	1.24E-02	1.11E-02	1.88E-02	1.40E-02	4.20E+00
CHILD	TOTALS	2.63E-01	1.34E-02	1.14E-02	1.48E-02	1.27E-02	4.20E+00
TEENAGE	TOTALS	2.63E-01	1.60E-02	1.16E-02	1.31E-02	1.22E-02	4.20E+00
ADULT	TOTALS	2.63E-01	1.58E-02	1.19E-02	1.31E-02	1.23E-02	4.20E+00

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 DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	1.04E-01	9.21E-03	7.90E-03	1.53E-02	1.07E-02	1.60E+00
CHILD	TOTALS	1.03E-01	1.02E-02	8.21E-03	1.15E-02	9.45E-03	1.60E+00
TEENAGE	TOTALS	1.04E-01	1.26E-02	8.42E-03	9.83E-03	8.97E-03	1.60E+00
ADULT	TOTALS	1.04E-01	1.24E-02	8.69E-03	9.86E-03	9.07E-03	1.60E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	6.63E-02	5.72E-03	4.67E-03	1.06E-02	6.90E-03	1.03E+00
CHILD	TOTALS	6.62E-02	6.47E-03	4.92E-03	7.54E-03	5.91E-03	1.03E+00
TEENAGE	TOTALS	6.62E-02	8.43E-03	5.09E-03	6.21E-03	5.52E-03	1.03E+00
ADULT	TOTALS	6.63E-02	8.27E-03	5.30E-03	6.24E-03	5.61E-03	1.03E+00

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DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	1.09E-01	7.96E-03	6.64E-03	1.41E-02	9.44E-03	1.72E+00
CHILD	TOTALS	1.09E-01	8.90E-03	6.95E-03	1.02E-02	8.20E-03	1.72E+00
TEENAGE	TOTALS	1.09E-01	1.14E-02	7.16E-03	8.58E-03	7.71E-03	1.72E+00
ADULT	TOTALS	1.09E-01	1.12E-02	7.43E-03	8.61E-03	7.82E-03	1.72E+00

TIME STEP NUMBER 4, 2017

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 4--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.	1.058E-02	8.566E-02	1.398E-03	6.425E-02	3.090E-02	4.740E+00
GROUND	5.942E-04	5.942E-04	5.942E-04	5.942E-04	5.942E-04	5.942E-04
CLOUD	4.040E-02	4.040E-02	4.040E-02	4.040E-02	4.040E-02	4.040E-02
VEG. ING	6.616E-02	7.645E-01	6.616E-02	2.272E-01	1.851E-01	6.616E-02
MEAT ING	3.534E-03	4.084E-02	3.534E-03	1.214E-02	9.886E-03	3.534E-03
MILK ING	7.173E-04	8.289E-03	7.173E-04	2.464E-03	2.007E-03	7.173E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.220E-01	9.403E-01	1.128E-01	3.471E-01	2.689E-01	4.851E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	6.212E-01	7.178E+00	6.212E-01	2.133E+00	1.738E+00	6.212E-01
MEAT ING	7.393E-03	8.543E-02	7.393E-03	2.539E-02	2.068E-02	7.393E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	5.851E+00	7.979E+01	1.330E+00	5.851E+00	5.851E+00	3.724E+01
TOTALS	6.480E+00	8.705E+01	1.958E+00	8.010E+00	7.610E+00	3.786E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.058E-02	8.566E-02	1.398E-03	6.425E-02	3.090E-02	4.740E+00
GROUND	5.942E-04	5.942E-04	5.942E-04	5.942E-04	5.942E-04	5.942E-04
CLOUD	4.040E-02	4.040E-02	4.040E-02	4.040E-02	4.040E-02	4.040E-02
VEG. ING	6.873E-01	7.942E+00	6.873E-01	2.361E+00	1.923E+00	6.873E-01
MEAT ING	1.093E-02	1.263E-01	1.093E-02	3.753E-02	3.057E-02	1.093E-02
MILK ING	7.173E-04	8.289E-03	7.173E-04	2.464E-03	2.007E-03	7.173E-04
RNPLUS50	5.851E+00	7.979E+01	1.330E+00	5.851E+00	5.851E+00	3.724E+01
TOTALS	6.602E+00	8.799E+01	2.071E+00	8.357E+00	7.879E+00	4.272E+01

: Uranerz - Nichols Ranch
: Uranerz - Nichols Ranch

CODE: MILDOS-AREA (02/97)
DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.60E-01	1.51E-02	1.30E-02	2.49E-02	1.75E-02	2.46E+00
CHILD	TOTALS	1.60E-01	1.67E-02	1.35E-02	1.88E-02	1.55E-02	2.46E+00
TEENAGE	TOTALS	1.60E-01	2.06E-02	1.39E-02	1.61E-02	1.48E-02	2.46E+00
ADULT	TOTALS	1.60E-01	2.03E-02	1.43E-02	1.62E-02	1.49E-02	2.46E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	8.77E-02	5.88E-03	4.71E-03	1.13E-02	7.19E-03	1.38E+00
CHILD	TOTALS	8.75E-02	6.72E-03	4.98E-03	7.91E-03	6.09E-03	1.38E+00
TEENAGE	TOTALS	8.76E-02	8.90E-03	5.17E-03	6.43E-03	5.66E-03	1.38E+00
ADULT	TOTALS	8.76E-02	8.73E-03	5.41E-03	6.46E-03	5.75E-03	1.38E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 4, 2017

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DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	1.98E-01	2.13E-02	1.72E-02	4.02E-02	2.59E-02	3.01E+00
CHILD	TOTALS	1.97E-01	2.42E-02	1.81E-02	2.84E-02	2.20E-02	3.01E+00
TEENAGE	TOTALS	1.98E-01	3.19E-02	1.88E-02	2.32E-02	2.05E-02	3.01E+00
ADULT	TOTALS	1.98E-01	3.12E-02	1.96E-02	2.33E-02	2.08E-02	3.01E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	2.10E-01	1.80E-02	1.52E-02	3.08E-02	2.11E-02	3.25E+00
CHILD	TOTALS	2.10E-01	2.00E-02	1.59E-02	2.28E-02	1.85E-02	3.25E+00
TEENAGE	TOTALS	2.10E-01	2.52E-02	1.64E-02	1.93E-02	1.75E-02	3.25E+00
ADULT	TOTALS	2.10E-01	2.48E-02	1.69E-02	1.94E-02	1.77E-02	3.25E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	2.76E-01	2.00E-02	1.72E-02	3.28E-02	2.31E-02	4.31E+00
CHILD	TOTALS	2.75E-01	2.20E-02	1.78E-02	2.48E-02	2.05E-02	4.31E+00
TEENAGE	TOTALS	2.75E-01	2.72E-02	1.83E-02	2.13E-02	1.94E-02	4.31E+00
ADULT	TOTALS	2.76E-01	2.67E-02	1.89E-02	2.13E-02	1.97E-02	4.31E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	9.78E-02	1.30E-02	9.61E-03	2.89E-02	1.69E-02	1.47E+00
CHILD	TOTALS	9.75E-02	1.55E-02	1.04E-02	1.90E-02	1.37E-02	1.47E+00
TEENAGE	TOTALS	9.77E-02	2.19E-02	1.10E-02	1.47E-02	1.24E-02	1.47E+00
ADULT	TOTALS	9.78E-02	2.14E-02	1.17E-02	1.47E-02	1.27E-02	1.47E+00

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Urancerz - Nichols Ranch DATA: urancerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	7.52E-02	1.19E-02	8.14E-03	2.94E-02	1.62E-02	1.11E+00
CHILD	TOTALS	7.48E-02	1.46E-02	9.04E-03	1.85E-02	1.26E-02	1.11E+00
TEENAGE	TOTALS	7.51E-02	2.17E-02	9.65E-03	1.37E-02	1.12E-02	1.11E+00
ADULT	TOTALS	7.52E-02	2.11E-02	1.04E-02	1.38E-02	1.15E-02	1.11E+00

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	1.69E+00	3.29E-02	2.96E-02	4.83E-02	3.67E-02	2.77E+01
CHILD	TOTALS	1.69E+00	3.53E-02	3.04E-02	3.87E-02	3.36E-02	2.77E+01
TEENAGE	TOTALS	1.69E+00	4.15E-02	3.10E-02	3.45E-02	3.23E-02	2.77E+01
ADULT	TOTALS	1.69E+00	4.10E-02	3.16E-02	3.46E-02	3.26E-02	2.77E+01

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	7.77E-01	2.79E-02	2.56E-02	3.84E-02	3.04E-02	1.25E+01
CHILD	TOTALS	7.77E-01	2.95E-02	2.61E-02	3.18E-02	2.83E-02	1.25E+01
TEENAGE	TOTALS	7.77E-01	3.37E-02	2.65E-02	2.89E-02	2.74E-02	1.25E+01
ADULT	TOTALS	7.77E-01	3.34E-02	2.70E-02	2.90E-02	2.76E-02	1.25E+01

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	4.47E-01	1.27E-02	1.11E-02	2.00E-02	1.44E-02	7.28E+00
CHILD	TOTALS	4.47E-01	1.38E-02	1.15E-02	1.54E-02	1.30E-02	7.28E+00
TEENAGE	TOTALS	4.47E-01	1.67E-02	1.17E-02	1.34E-02	1.24E-02	7.28E+00
ADULT	TOTALS	4.47E-01	1.65E-02	1.20E-02	1.35E-02	1.25E-02	7.28E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 4, 2017

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DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	1.43E+01	8.54E-02	8.25E-02	9.89E-02	8.87E-02	2.37E+02
CHILD	TOTALS	1.43E+01	8.75E-02	8.32E-02	9.05E-02	8.59E-02	2.37E+02
TEENAGE	TOTALS	1.43E+01	9.30E-02	8.37E-02	8.68E-02	8.49E-02	2.37E+02
ADULT	TOTALS	1.43E+01	9.25E-02	8.43E-02	8.69E-02	8.51E-02	2.37E+02

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	2.67E-01	1.95E-02	1.69E-02	3.16E-02	2.24E-02	4.18E+00
CHILD	TOTALS	2.67E-01	2.14E-02	1.75E-02	2.40E-02	2.00E-02	4.18E+00
TEENAGE	TOTALS	2.67E-01	2.62E-02	1.79E-02	2.07E-02	1.90E-02	4.18E+00
ADULT	TOTALS	2.67E-01	2.59E-02	1.84E-02	2.08E-02	1.92E-02	4.18E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	2.97E+00	3.11E-02	2.91E-02	4.03E-02	3.33E-02	4.90E+01
CHILD	TOTALS	2.97E+00	3.25E-02	2.96E-02	3.45E-02	3.14E-02	4.90E+01
TEENAGE	TOTALS	2.97E+00	3.62E-02	2.99E-02	3.20E-02	3.07E-02	4.90E+01
ADULT	TOTALS	2.97E+00	3.59E-02	3.03E-02	3.21E-02	3.09E-02	4.90E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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-01	1.51E-02	1.29E-02	2.51E-02	1.75E-02	4.51E+00
CHILD	TOTALS	2.83E-01	1.66E-02	1.34E-02	1.88E-02	1.55E-02	4.51E+00
TEENAGE	TOTALS	2.83E-01	2.07E-02	1.38E-02	1.61E-02	1.47E-02	4.51E+00
ADULT	TOTALS	2.83E-01	2.03E-02	1.42E-02	1.62E-02	1.49E-02	4.51E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Uranerz - Nichols Ranch DATA: uranerz4.MIL
 TIME STEP NUMBER 4, 2017

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 DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	1.44E+00	3.98E-02	3.74E-02	5.08E-02	4.25E-02	2.34E+01
CHILD	TOTALS	1.44E+00	4.15E-02	3.80E-02	4.39E-02	4.02E-02	2.34E+01
TEENAGE	TOTALS	1.44E+00	4.60E-02	3.83E-02	4.09E-02	3.93E-02	2.34E+01
ADULT	TOTALS	1.44E+00	4.56E-02	3.88E-02	4.10E-02	3.95E-02	2.34E+01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	1.79E-02	1.61E-02	2.60E-02	1.98E-02	6.47E+00
CHILD	TOTALS	4.03E-01	1.91E-02	1.65E-02	2.09E-02	1.82E-02	6.47E+00
TEENAGE	TOTALS	4.03E-01	2.24E-02	1.68E-02	1.87E-02	1.75E-02	6.47E+00
ADULT	TOTALS	4.04E-01	2.21E-02	1.72E-02	1.87E-02	1.77E-02	6.47E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	1.57E-01	1.38E-02	1.19E-02	2.25E-02	1.59E-02	2.43E+00
CHILD	TOTALS	1.57E-01	1.51E-02	1.23E-02	1.70E-02	1.41E-02	2.43E+00
TEENAGE	TOTALS	1.57E-01	1.87E-02	1.26E-02	1.47E-02	1.34E-02	2.43E+00
ADULT	TOTALS	1.57E-01	1.84E-02	1.30E-02	1.47E-02	1.36E-02	2.43E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	1.00E-01	8.35E-03	6.88E-03	1.51E-02	1.00E-02	1.55E+00
CHILD	TOTALS	9.99E-02	9.40E-03	7.23E-03	1.09E-02	8.62E-03	1.55E+00
TEENAGE	TOTALS	1.00E-01	1.21E-02	7.47E-03	9.04E-03	8.08E-03	1.55E+00
ADULT	TOTALS	1.00E-01	1.19E-02	7.77E-03	9.08E-03	8.20E-03	1.55E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	1.64E-01	1.12E-02	9.51E-03	1.91E-02	1.31E-02	2.58E+00
CHILD	TOTALS	1.64E-01	1.25E-02	9.91E-03	1.42E-02	1.15E-02	2.58E+00
TEENAGE	TOTALS	1.64E-01	1.56E-02	1.02E-02	1.20E-02	1.09E-02	2.58E+00
ADULT	TOTALS	1.64E-01	1.54E-02	1.05E-02	1.21E-02	1.10E-02	2.58E+00

TIME STEP NUMBER 5, 2018

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 5--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.	1.555E-02	1.259E-01	2.053E-03	9.440E-02	4.539E-02	7.007E+00
GROUND	8.854E-04	8.854E-04	8.854E-04	8.854E-04	8.854E-04	8.854E-04
CLOUD	5.971E-02	5.971E-02	5.971E-02	5.971E-02	5.971E-02	5.971E-02
VEG. ING	9.715E-02	1.123E+00	9.715E-02	3.336E-01	2.718E-01	9.715E-02
MEAT ING	5.201E-03	6.010E-02	5.201E-03	1.786E-02	1.455E-02	5.201E-03
MILK ING	1.056E-03	1.220E-02	1.056E-03	3.626E-03	2.953E-03	1.056E-03
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.795E-01	1.381E+00	1.660E-01	5.101E-01	3.953E-01	7.171E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	9.121E-01	1.054E+01	9.121E-01	3.133E+00	2.552E+00	9.121E-01
MEAT ING	1.088E-02	1.257E-01	1.088E-02	3.737E-02	3.044E-02	1.088E-02
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	8.648E+00	1.179E+02	1.965E+00	8.648E+00	8.648E+00	5.503E+01
TOTALS	9.571E+00	1.286E+02	2.888E+00	1.182E+01	1.123E+01	5.596E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.555E-02	1.259E-01	2.053E-03	9.440E-02	4.539E-02	7.007E+00
GROUND	8.854E-04	8.854E-04	8.854E-04	8.854E-04	8.854E-04	8.854E-04
CLOUD	5.971E-02	5.971E-02	5.971E-02	5.971E-02	5.971E-02	5.971E-02
VEG. ING	1.009E+00	1.166E+01	1.009E+00	3.466E+00	2.823E+00	1.009E+00
MEAT ING	1.608E-02	1.858E-01	1.608E-02	5.524E-02	4.499E-02	1.608E-02
MILK ING	1.056E-03	1.220E-02	1.056E-03	3.626E-03	2.953E-03	1.056E-03
RNPLUS50	8.648E+00	1.179E+02	1.965E+00	8.648E+00	8.648E+00	5.503E+01
TOTALS	9.751E+00	1.300E+02	3.055E+00	1.233E+01	1.163E+01	6.313E+01

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 5, 2018

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, 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	2.26E-01	2.00E-02	1.73E-02	3.24E-02	2.30E-02	3.48E+00
CHILD	TOTALS	2.25E-01	2.19E-02	1.79E-02	2.47E-02	2.05E-02	3.48E+00
TEENAGE	TOTALS	2.25E-01	2.70E-02	1.84E-02	2.13E-02	1.95E-02	3.48E+00
ADULT	TOTALS	2.26E-01	2.66E-02	1.89E-02	2.13E-02	1.97E-02	3.48E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	1.39E-01	9.85E-03	7.93E-03	1.87E-02	1.20E-02	2.18E+00
CHILD	TOTALS	1.39E-01	1.12E-02	8.39E-03	1.32E-02	1.02E-02	2.18E+00
TEENAGE	TOTALS	1.39E-01	1.48E-02	8.70E-03	1.07E-02	9.49E-03	2.18E+00
ADULT	TOTALS	1.39E-01	1.45E-02	9.09E-03	1.08E-02	9.65E-03	2.18E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER 5, 2018

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03/18/14
DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	2.81E-01	3.12E-02	2.50E-02	5.96E-02	3.81E-02	4.26E+00
CHILD	TOTALS	2.80E-01	3.56E-02	2.65E-02	4.19E-02	3.23E-02	4.26E+00
TEENAGE	TOTALS	2.81E-01	4.71E-02	2.75E-02	3.41E-02	3.01E-02	4.26E+00
ADULT	TOTALS	2.81E-01	4.62E-02	2.88E-02	3.43E-02	3.06E-02	4.26E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	3.21E-01	2.72E-02	2.31E-02	4.59E-02	3.17E-02	4.96E+00
CHILD	TOTALS	3.20E-01	3.01E-02	2.41E-02	3.42E-02	2.79E-02	4.96E+00
TEENAGE	TOTALS	3.20E-01	3.76E-02	2.47E-02	2.91E-02	2.64E-02	4.96E+00
ADULT	TOTALS	3.21E-01	3.70E-02	2.56E-02	2.92E-02	2.68E-02	4.96E+00

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	4.27E-01	3.01E-02	2.62E-02	4.86E-02	3.46E-02	6.70E+00
CHILD	TOTALS	4.27E-01	3.30E-02	2.71E-02	3.71E-02	3.09E-02	6.70E+00
TEENAGE	TOTALS	4.27E-01	4.05E-02	2.78E-02	3.20E-02	2.94E-02	6.70E+00
ADULT	TOTALS	4.27E-01	3.99E-02	2.86E-02	3.21E-02	2.97E-02	6.70E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	1.49E-01	1.95E-02	1.45E-02	4.27E-02	2.52E-02	2.23E+00
CHILD	TOTALS	1.49E-01	2.31E-02	1.57E-02	2.82E-02	2.04E-02	2.23E+00
TEENAGE	TOTALS	1.49E-01	3.25E-02	1.65E-02	2.19E-02	1.86E-02	2.23E+00
ADULT	TOTALS	1.49E-01	3.18E-02	1.75E-02	2.20E-02	1.90E-02	2.23E+00

Location: Uranerz - Nichols Ranch
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 Duration in Yrs IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	1.13E-01	1.77E-02	1.21E-02	4.33E-02	2.39E-02	1.67E+00
CHILD	TOTALS	1.12E-01	2.17E-02	1.35E-02	2.73E-02	1.87E-02	1.67E+00
TEENAGE	TOTALS	1.13E-01	3.20E-02	1.44E-02	2.03E-02	1.66E-02	1.67E+00
ADULT	TOTALS	1.13E-01	3.12E-02	1.55E-02	2.04E-02	1.71E-02	1.67E+00

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	1.85E+00	4.66E-02	4.10E-02	7.24E-02	5.28E-02	3.02E+01
CHILD	TOTALS	1.85E+00	5.06E-02	4.23E-02	5.62E-02	4.76E-02	3.02E+01
TEENAGE	TOTALS	1.85E+00	6.10E-02	4.32E-02	4.92E-02	4.55E-02	3.02E+01
ADULT	TOTALS	1.85E+00	6.02E-02	4.44E-02	4.93E-02	4.60E-02	3.02E+01

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 DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	8.92E-01	3.60E-02	3.25E-02	5.23E-02	4.00E-02	1.43E+01
CHILD	TOTALS	8.91E-01	3.85E-02	3.33E-02	4.21E-02	3.67E-02	1.43E+01
TEENAGE	TOTALS	8.91E-01	4.51E-02	3.39E-02	3.77E-02	3.54E-02	1.43E+01
ADULT	TOTALS	8.91E-01	4.46E-02	3.46E-02	3.78E-02	3.57E-02	1.43E+01

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.30E-01	1.76E-02	1.51E-02	2.88E-02	2.03E-02	8.59E+00
CHILD	TOTALS	5.30E-01	1.93E-02	1.57E-02	2.18E-02	1.80E-02	8.59E+00
TEENAGE	TOTALS	5.30E-01	2.39E-02	1.61E-02	1.87E-02	1.71E-02	8.59E+00
ADULT	TOTALS	5.30E-01	2.35E-02	1.66E-02	1.88E-02	1.73E-02	8.59E+00

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 DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	1.47E+01	9.81E-02	9.32E-02	1.21E-01	1.04E-01	2.44E+02
CHILD	TOTALS	1.47E+01	1.02E-01	9.44E-02	1.06E-01	9.89E-02	2.44E+02
TEENAGE	TOTALS	1.47E+01	1.11E-01	9.51E-02	1.00E-01	9.72E-02	2.44E+02
ADULT	TOTALS	1.47E+01	1.10E-01	9.61E-02	1.00E-01	9.76E-02	2.44E+02

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	4.11E-01	2.94E-02	2.56E-02	4.69E-02	3.36E-02	6.44E+00
CHILD	TOTALS	4.11E-01	3.21E-02	2.65E-02	3.60E-02	3.01E-02	6.44E+00
TEENAGE	TOTALS	4.11E-01	3.92E-02	2.71E-02	3.12E-02	2.87E-02	6.44E+00
ADULT	TOTALS	4.11E-01	3.86E-02	2.79E-02	3.13E-02	2.90E-02	6.44E+00

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 DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	4.69E+00	4.76E-02	4.48E-02	6.03E-02	5.07E-02	7.74E+01
CHILD	TOTALS	4.69E+00	4.96E-02	4.55E-02	5.24E-02	4.81E-02	7.74E+01
TEENAGE	TOTALS	4.69E+00	5.47E-02	4.59E-02	4.89E-02	4.71E-02	7.74E+01
ADULT	TOTALS	4.69E+00	5.43E-02	4.65E-02	4.90E-02	4.73E-02	7.74E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	4.33E-01	2.19E-02	1.89E-02	3.57E-02	2.52E-02	6.91E+00
CHILD	TOTALS	4.33E-01	2.40E-02	1.96E-02	2.71E-02	2.24E-02	6.91E+00
TEENAGE	TOTALS	4.33E-01	2.96E-02	2.01E-02	2.33E-02	2.13E-02	6.91E+00
ADULT	TOTALS	4.33E-01	2.92E-02	2.07E-02	2.34E-02	2.16E-02	6.91E+00

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: Uranerz - Nichols Ranch DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	2.27E+00	6.13E-02	5.78E-02	7.71E-02	6.51E-02	3.68E+01
CHILD	TOTALS	2.27E+00	6.37E-02	5.87E-02	6.72E-02	6.19E-02	3.68E+01
TEENAGE	TOTALS	2.27E+00	7.01E-02	5.92E-02	6.29E-02	6.06E-02	3.68E+01
ADULT	TOTALS	2.27E+00	6.96E-02	5.99E-02	6.30E-02	6.09E-02	3.68E+01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	5.08E-01	2.29E-02	2.03E-02	3.48E-02	2.58E-02	8.14E+00
CHILD	TOTALS	5.08E-01	2.48E-02	2.10E-02	2.74E-02	2.34E-02	8.14E+00
TEENAGE	TOTALS	5.08E-01	2.95E-02	2.14E-02	2.41E-02	2.24E-02	8.14E+00
ADULT	TOTALS	5.08E-01	2.92E-02	2.19E-02	2.42E-02	2.26E-02	8.14E+00

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 : Uranerz - Nichols Ranch DATA: uranerz4.MIL
 TIME STEP NUMBER 5, 2018

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 DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	3.38E-01	2.24E-02	1.98E-02	3.42E-02	2.52E-02	5.31E+00
CHILD	TOTALS	3.37E-01	2.42E-02	2.04E-02	2.68E-02	2.28E-02	5.31E+00
TEENAGE	TOTALS	3.38E-01	2.90E-02	2.09E-02	2.36E-02	2.19E-02	5.31E+00
ADULT	TOTALS	3.38E-01	2.86E-02	2.14E-02	2.36E-02	2.21E-02	5.31E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	1.90E-01	1.25E-02	1.05E-02	2.16E-02	1.47E-02	3.00E+00
CHILD	TOTALS	1.90E-01	1.39E-02	1.10E-02	1.59E-02	1.28E-02	3.00E+00
TEENAGE	TOTALS	1.90E-01	1.76E-02	1.13E-02	1.34E-02	1.21E-02	3.00E+00
ADULT	TOTALS	1.90E-01	1.73E-02	1.17E-02	1.35E-02	1.23E-02	3.00E+00

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 TIME STEP NUMBER 5, 2018 DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	1.39E+00	3.30E-02	3.03E-02	4.55E-02	3.61E-02	2.27E+01
CHILD	TOTALS	1.39E+00	3.50E-02	3.10E-02	3.77E-02	3.35E-02	2.27E+01
TEENAGE	TOTALS	1.39E+00	4.00E-02	3.14E-02	3.43E-02	3.25E-02	2.27E+01
ADULT	TOTALS	1.39E+00	3.96E-02	3.20E-02	3.44E-02	3.28E-02	2.27E+01

TIME STEP NUMBER 6, 2019

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 6--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.	1.393E-02	1.128E-01	1.838E-03	8.456E-02	4.066E-02	6.328E+00
GROUND	8.374E-04	8.374E-04	8.374E-04	8.374E-04	8.374E-04	8.374E-04
CLOUD	5.388E-02	5.388E-02	5.388E-02	5.388E-02	5.388E-02	5.388E-02
VEG. ING	8.739E-02	1.010E+00	8.739E-02	3.001E-01	2.445E-01	8.739E-02
MEAT ING	4.740E+03	5.477E-02	4.740E-03	1.628E-02	1.326E-02	4.740E-03
MILK ING	9.622E-04	1.112E-02	9.622E-04	3.305E-03	2.692E-03	9.622E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.617E-01	1.243E+00	1.497E-01	4.590E-01	3.558E-01	6.476E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	8.205E-01	9.481E+00	8.205E-01	2.818E+00	2.295E+00	8.205E-01
MEAT ING	9.917E-03	1.146E-01	9.917E-03	3.406E-02	2.774E-02	9.917E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	7.768E+00	1.059E+02	1.765E+00	7.768E+00	7.768E+00	4.943E+01
TOTALS	8.598E+00	1.155E+02	2.596E+00	1.062E+01	1.009E+01	5.026E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.393E-02	1.128E-01	1.838E-03	8.456E-02	4.066E-02	6.328E+00
GROUND	8.374E-04	8.374E-04	8.374E-04	8.374E-04	8.374E-04	8.374E-04
CLOUD	5.388E-02	5.388E-02	5.388E-02	5.388E-02	5.388E-02	5.388E-02
VEG. ING	9.079E-01	1.049E+01	9.079E-01	3.118E+00	2.540E+00	9.079E-01
MEAT ING	1.466E-02	1.694E-01	1.466E-02	5.034E-02	4.100E-02	1.466E-02
MILK ING	9.622E-04	1.112E-02	9.622E-04	3.305E-03	2.692E-03	9.622E-04
RNPLUS50	7.768E+00	1.059E+02	1.765E+00	7.768E+00	7.768E+00	4.943E+01
TOTALS	8.760E+00	1.168E+02	2.745E+00	1.108E+01	1.045E+01	5.674E+01

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.90E-01	1.62E-02	1.40E-02	2.61E-02	1.86E-02	2.93E+00
CHILD	TOTALS	1.90E-01	1.78E-02	1.46E-02	1.99E-02	1.66E-02	2.93E+00
TEENAGE	TOTALS	1.90E-01	2.18E-02	1.49E-02	1.72E-02	1.58E-02	2.93E+00
ADULT	TOTALS	1.90E-01	2.15E-02	1.54E-02	1.73E-02	1.60E-02	2.93E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	1.27E-01	9.63E-03	7.74E-03	1.84E-02	1.18E-02	1.99E+00
CHILD	TOTALS	1.27E-01	1.10E-02	8.19E-03	1.29E-02	9.98E-03	1.99E+00
TEENAGE	TOTALS	1.27E-01	1.46E-02	8.50E-03	1.05E-02	9.28E-03	1.99E+00
ADULT	TOTALS	1.27E-01	1.43E-02	8.89E-03	1.06E-02	9.44E-03	1.99E+00

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 : Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	2.50E-01	2.85E-02	2.28E-02	5.47E-02	3.48E-02	3.78E+00
CHILD	TOTALS	2.49E-01	3.26E-02	2.41E-02	3.83E-02	2.95E-02	3.78E+00
TEENAGE	TOTALS	2.50E-01	4.32E-02	2.51E-02	3.12E-02	2.74E-02	3.78E+00
ADULT	TOTALS	2.50E-01	4.24E-02	2.63E-02	3.13E-02	2.79E-02	3.78E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	3.03E-01	2.52E-02	2.16E-02	4.17E-02	2.92E-02	4.69E+00
CHILD	TOTALS	3.02E-01	2.78E-02	2.25E-02	3.14E-02	2.59E-02	4.69E+00
TEENAGE	TOTALS	3.02E-01	3.45E-02	2.31E-02	2.69E-02	2.45E-02	4.69E+00
ADULT	TOTALS	3.03E-01	3.40E-02	2.38E-02	2.70E-02	2.48E-02	4.69E+00

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DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	4.11E-01	2.81E-02	2.46E-02	4.41E-02	3.20E-02	6.44E+00
CHILD	TOTALS	4.10E-01	3.06E-02	2.55E-02	3.41E-02	2.87E-02	6.44E+00
TEENAGE	TOTALS	4.11E-01	3.71E-02	2.60E-02	2.98E-02	2.75E-02	6.44E+00
ADULT	TOTALS	4.11E-01	3.66E-02	2.68E-02	2.99E-02	2.78E-02	6.44E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	1.79E-02	1.35E-02	3.86E-02	2.30E-02	2.10E+00
CHILD	TOTALS	1.39E-01	2.12E-02	1.45E-02	2.57E-02	1.88E-02	2.10E+00
TEENAGE	TOTALS	1.40E-01	2.96E-02	1.53E-02	2.01E-02	1.71E-02	2.10E+00
ADULT	TOTALS	1.40E-01	2.90E-02	1.62E-02	2.02E-02	1.75E-02	2.10E+00

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

CODE: MILDOS-AREA (02/97)
DATA: uranerz4.MIL
TIME STEP NUMBER 6, 2019

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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	1.04E-01	1.61E-02	1.12E-02	3.90E-02	2.17E-02	1.55E+00
CHILD	TOTALS	1.04E-01	1.97E-02	1.23E-02	2.47E-02	1.70E-02	1.55E+00
TEENAGE	TOTALS	1.04E-01	2.90E-02	1.32E-02	1.85E-02	1.52E-02	1.55E+00
ADULT	TOTALS	1.04E-01	2.83E-02	1.42E-02	1.86E-02	1.56E-02	1.55E+00

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	1.27E+00	4.08E-02	3.52E-02	6.66E-02	4.71E-02	2.05E+01
CHILD	TOTALS	1.27E+00	4.48E-02	3.66E-02	5.05E-02	4.18E-02	2.05E+01
TEENAGE	TOTALS	1.27E+00	5.53E-02	3.75E-02	4.34E-02	3.98E-02	2.05E+01
ADULT	TOTALS	1.27E+00	5.45E-02	3.86E-02	4.36E-02	4.02E-02	2.05E+01

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 DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	6.38E-01	2.93E-02	2.60E-02	4.48E-02	3.31E-02	1.02E+01
CHILD	TOTALS	6.37E-01	3.18E-02	2.68E-02	3.51E-02	3.00E-02	1.02E+01
TEENAGE	TOTALS	6.38E-01	3.80E-02	2.74E-02	3.09E-02	2.87E-02	1.02E+01
ADULT	TOTALS	6.38E-01	3.75E-02	2.80E-02	3.10E-02	2.90E-02	1.02E+01

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.91E-01	1.53E-02	1.29E-02	2.62E-02	1.79E-02	6.30E+00
CHILD	TOTALS	3.90E-01	1.70E-02	1.35E-02	1.94E-02	1.57E-02	6.30E+00
TEENAGE	TOTALS	3.91E-01	2.14E-02	1.39E-02	1.64E-02	1.49E-02	6.30E+00
ADULT	TOTALS	3.91E-01	2.11E-02	1.44E-02	1.65E-02	1.51E-02	6.30E+00

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CODE: MILDOS-AREA (02/97)
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DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	9.30E+00	7.09E-02	6.61E-02	9.32E-02	7.63E-02	1.54E+02
CHILD	TOTALS	9.30E+00	7.44E-02	6.72E-02	7.93E-02	7.18E-02	1.54E+02
TEENAGE	TOTALS	9.30E+00	8.34E-02	6.80E-02	7.32E-02	7.00E-02	1.54E+02
ADULT	TOTALS	9.30E+00	8.27E-02	6.90E-02	7.33E-02	7.04E-02	1.54E+02

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	3.92E-01	2.73E-02	2.40E-02	4.26E-02	3.10E-02	6.14E+00
CHILD	TOTALS	3.92E-01	2.97E-02	2.48E-02	3.30E-02	2.79E-02	6.14E+00
TEENAGE	TOTALS	3.92E-01	3.59E-02	2.53E-02	2.89E-02	2.67E-02	6.14E+00
ADULT	TOTALS	3.92E-01	3.54E-02	2.60E-02	2.90E-02	2.70E-02	6.14E+00

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 DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	4.60E+00	4.51E-02	4.28E-02	5.56E-02	4.76E-02	7.61E+01
CHILD	TOTALS	4.60E+00	4.68E-02	4.34E-02	4.90E-02	4.55E-02	7.61E+01
TEENAGE	TOTALS	4.60E+00	5.10E-02	4.38E-02	4.62E-02	4.47E-02	7.61E+01
ADULT	TOTALS	4.60E+00	5.07E-02	4.42E-02	4.63E-02	4.49E-02	7.61E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	4.09E-01	1.94E-02	1.69E-02	3.08E-02	2.22E-02	6.55E+00
CHILD	TOTALS	4.09E-01	2.12E-02	1.75E-02	2.37E-02	1.99E-02	6.55E+00
TEENAGE	TOTALS	4.09E-01	2.58E-02	1.79E-02	2.06E-02	1.90E-02	6.55E+00
ADULT	TOTALS	4.09E-01	2.55E-02	1.84E-02	2.07E-02	1.92E-02	6.55E+00

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DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	2.22E+00	5.85E-02	5.56E-02	7.21E-02	6.18E-02	3.61E+01
CHILD	TOTALS	2.22E+00	6.07E-02	5.63E-02	6.36E-02	5.91E-02	3.61E+01
TEENAGE	TOTALS	2.22E+00	6.62E-02	5.68E-02	5.99E-02	5.80E-02	3.61E+01
ADULT	TOTALS	2.22E+00	6.58E-02	5.74E-02	6.00E-02	5.82E-02	3.61E+01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	3.93E-01	1.86E-02	1.63E-02	2.96E-02	2.13E-02	6.29E+00
CHILD	TOTALS	3.93E-01	2.04E-02	1.68E-02	2.28E-02	1.91E-02	6.29E+00
TEENAGE	TOTALS	3.93E-01	2.48E-02	1.72E-02	1.98E-02	1.82E-02	6.29E+00
ADULT	TOTALS	3.93E-01	2.45E-02	1.77E-02	1.98E-02	1.84E-02	6.29E+00

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 DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	3.40E-01	2.03E-02	1.82E-02	3.02E-02	2.27E-02	5.38E+00
CHILD	TOTALS	3.40E-01	2.19E-02	1.87E-02	2.41E-02	2.07E-02	5.38E+00
TEENAGE	TOTALS	3.40E-01	2.59E-02	1.91E-02	2.14E-02	2.00E-02	5.38E+00
ADULT	TOTALS	3.40E-01	2.56E-02	1.95E-02	2.14E-02	2.01E-02	5.38E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	1.84E-01	1.10E-02	9.28E-03	1.88E-02	1.29E-02	2.92E+00
CHILD	TOTALS	1.84E-01	1.22E-02	9.69E-03	1.39E-02	1.13E-02	2.92E+00
TEENAGE	TOTALS	1.84E-01	1.54E-02	9.97E-03	1.18E-02	1.07E-02	2.92E+00
ADULT	TOTALS	1.84E-01	1.51E-02	1.03E-02	1.18E-02	1.08E-02	2.92E+00

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DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	1.74E+00	3.67E-02	3.41E-02	4.86E-02	3.96E-02	2.85E+01
CHILD	TOTALS	1.74E+00	3.86E-02	3.48E-02	4.12E-02	3.72E-02	2.85E+01
TEENAGE	TOTALS	1.74E+00	4.34E-02	3.52E-02	3.79E-02	3.62E-02	2.85E+01
ADULT	TOTALS	1.74E+00	4.30E-02	3.57E-02	3.80E-02	3.64E-02	2.85E+01

TIME STEP NUMBER 7, 2020

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 7--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.	9.974E-03	8.075E-02	1.312E-03	6.057E-02	2.912E-02	4.662E+00
GROUND	6.670E-04	6.670E-04	6.670E-04	6.670E-04	6.670E-04	6.670E-04
CLOUD	3.961E-02	3.961E-02	3.961E-02	3.961E-02	3.961E-02	3.961E-02
VEG. ING	6.321E-02	7.304E-01	6.321E-02	2.171E-01	1.768E-01	6.321E-02
MEAT ING	3.511E-03	4.058E-02	3.511E-03	1.206E-02	9.823E-03	3.511E-03
MILK ING	7.128E-04	8.236E-03	7.128E-04	2.448E-03	1.994E-03	7.128E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.177E-01	9.003E-01	1.090E-01	3.324E-01	2.580E-01	4.770E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	5.935E-01	6.858E+00	5.935E-01	2.038E+00	1.660E+00	5.935E-01
MEAT ING	7.346E-03	8.489E-02	7.346E-03	2.523E-02	2.055E-02	7.346E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	5.576E+00	7.604E+01	1.267E+00	5.576E+00	5.576E+00	3.549E+01
TOTALS	6.177E+00	8.298E+01	1.868E+00	7.640E+00	7.257E+00	3.609E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.974E-03	8.075E-02	1.312E-03	6.057E-02	2.912E-02	4.662E+00
GROUND	6.670E-04	6.670E-04	6.670E-04	6.670E-04	6.670E-04	6.670E-04
CLOUD	3.961E-02	3.961E-02	3.961E-02	3.961E-02	3.961E-02	3.961E-02
VEG. ING	6.567E-01	7.588E+00	6.567E-01	2.255E+00	1.837E+00	6.567E-01
MEAT ING	1.086E-02	1.255E-01	1.086E-02	3.729E-02	3.037E-02	1.086E-02
MILK ING	7.128E-04	8.236E-03	7.128E-04	2.448E-03	1.994E-03	7.128E-04
RNPLUS50	5.576E+00	7.604E+01	1.267E+00	5.576E+00	5.576E+00	3.549E+01
TOTALS	6.295E+00	8.388E+01	1.977E+00	7.972E+00	7.515E+00	4.086E+01

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.04E-01	8.19E-03	7.09E-03	1.33E-02	9.42E-03	1.62E+00
CHILD	TOTALS	1.04E-01	9.04E-03	7.37E-03	1.01E-02	8.40E-03	1.62E+00
TEENAGE	TOTALS	1.04E-01	1.11E-02	7.56E-03	8.74E-03	8.01E-03	1.62E+00
ADULT	TOTALS	1.04E-01	1.10E-02	7.80E-03	8.78E-03	8.11E-03	1.62E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	8.82E-02	8.35E-03	6.58E-03	1.66E-02	1.04E-02	1.36E+00
CHILD	TOTALS	8.80E-02	9.66E-03	7.01E-03	1.15E-02	8.69E-03	1.36E+00
TEENAGE	TOTALS	8.81E-02	1.30E-02	7.30E-03	9.21E-03	8.04E-03	1.36E+00
ADULT	TOTALS	8.82E-02	1.28E-02	7.67E-03	9.26E-03	8.19E-03	1.36E+00

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 DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	1.85E-01	2.23E-02	1.77E-02	4.33E-02	2.74E-02	2.78E+00
CHILD	TOTALS	1.84E-01	2.56E-02	1.88E-02	3.02E-02	2.31E-02	2.78E+00
TEENAGE	TOTALS	1.85E-01	3.42E-02	1.96E-02	2.45E-02	2.15E-02	2.78E+00
ADULT	TOTALS	1.85E-01	3.36E-02	2.06E-02	2.46E-02	2.19E-02	2.78E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	2.57E-01	2.02E-02	1.78E-02	3.14E-02	2.29E-02	4.00E+00
CHILD	TOTALS	2.57E-01	2.21E-02	1.84E-02	2.44E-02	2.07E-02	4.00E+00
TEENAGE	TOTALS	2.57E-01	2.66E-02	1.88E-02	2.14E-02	1.98E-02	4.00E+00
ADULT	TOTALS	2.57E-01	2.63E-02	1.94E-02	2.15E-02	2.00E-02	4.00E+00

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NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	3.67E-01	2.30E-02	2.09E-02	3.31E-02	2.55E-02	5.78E+00
CHILD	TOTALS	3.67E-01	2.47E-02	2.14E-02	2.69E-02	2.35E-02	5.78E+00
TEENAGE	TOTALS	3.67E-01	2.88E-02	2.18E-02	2.41E-02	2.27E-02	5.78E+00
ADULT	TOTALS	3.67E-01	2.85E-02	2.22E-02	2.42E-02	2.29E-02	5.78E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	1.16E-01	1.40E-02	1.09E-02	2.86E-02	1.76E-02	1.75E+00
CHILD	TOTALS	1.16E-01	1.64E-02	1.17E-02	1.95E-02	1.46E-02	1.75E+00
TEENAGE	TOTALS	1.16E-01	2.23E-02	1.22E-02	1.56E-02	1.35E-02	1.75E+00
ADULT	TOTALS	1.16E-01	2.19E-02	1.29E-02	1.57E-02	1.38E-02	1.75E+00

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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	8.39E-02	1.23E-02	8.77E-03	2.85E-02	1.62E-02	1.25E+00
CHILD	TOTALS	8.36E-02	1.49E-02	9.64E-03	1.84E-02	1.30E-02	1.25E+00
TEENAGE	TOTALS	8.38E-02	2.15E-02	1.02E-02	1.40E-02	1.17E-02	1.25E+00
ADULT	TOTALS	8.39E-02	2.11E-02	1.10E-02	1.41E-02	1.20E-02	1.25E+00

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	2.53E-01	2.81E-02	2.29E-02	5.21E-02	3.39E-02	3.83E+00
CHILD	TOTALS	2.52E-01	3.19E-02	2.42E-02	3.71E-02	2.91E-02	3.83E+00
TEENAGE	TOTALS	2.52E-01	4.17E-02	2.50E-02	3.06E-02	2.72E-02	3.83E+00
ADULT	TOTALS	2.53E-01	4.10E-02	2.61E-02	3.08E-02	2.76E-02	3.83E+00

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 DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	1.79E-01	1.64E-02	1.35E-02	2.98E-02	1.97E-02	2.77E+00
CHILD	TOTALS	1.79E-01	1.85E-02	1.42E-02	2.15E-02	1.69E-02	2.77E+00
TEENAGE	TOTALS	1.79E-01	2.40E-02	1.47E-02	1.78E-02	1.59E-02	2.77E+00
ADULT	TOTALS	1.79E-01	2.36E-02	1.53E-02	1.79E-02	1.61E-02	2.77E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.30E-01	1.06E-02	8.48E-03	2.05E-02	1.30E-02	2.03E+00
CHILD	TOTALS	1.30E-01	1.22E-02	9.00E-03	1.44E-02	1.10E-02	2.03E+00
TEENAGE	TOTALS	1.30E-01	1.62E-02	9.36E-03	1.17E-02	1.02E-02	2.03E+00
ADULT	TOTALS	1.30E-01	1.59E-02	9.80E-03	1.17E-02	1.04E-02	2.03E+00

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NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	2.02E-01	2.27E-02	1.83E-02	4.33E-02	2.77E-02	3.06E+00
CHILD	TOTALS	2.01E-01	2.60E-02	1.93E-02	3.05E-02	2.36E-02	3.06E+00
TEENAGE	TOTALS	2.02E-01	3.44E-02	2.01E-02	2.49E-02	2.19E-02	3.06E+00
ADULT	TOTALS	2.02E-01	3.37E-02	2.10E-02	2.50E-02	2.23E-02	3.06E+00

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	3.42E-01	2.21E-02	2.00E-02	3.20E-02	2.45E-02	5.38E+00
CHILD	TOTALS	3.42E-01	2.37E-02	2.05E-02	2.59E-02	2.26E-02	5.38E+00
TEENAGE	TOTALS	3.42E-01	2.78E-02	2.09E-02	2.32E-02	2.18E-02	5.38E+00
ADULT	TOTALS	3.42E-01	2.75E-02	2.14E-02	2.33E-02	2.20E-02	5.38E+00

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DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	4.37E+00	3.89E-02	3.78E-02	4.38E-02	4.01E-02	7.22E+01
CHILD	TOTALS	4.36E+00	3.97E-02	3.81E-02	4.07E-02	3.91E-02	7.22E+01
TEENAGE	TOTALS	4.36E+00	4.17E-02	3.82E-02	3.94E-02	3.87E-02	7.22E+01
ADULT	TOTALS	4.37E+00	4.16E-02	3.85E-02	3.94E-02	3.88E-02	7.22E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	3.51E-01	1.36E-02	1.23E-02	1.94E-02	1.50E-02	5.65E+00
CHILD	TOTALS	3.51E-01	1.45E-02	1.26E-02	1.58E-02	1.38E-02	5.65E+00
TEENAGE	TOTALS	3.51E-01	1.69E-02	1.28E-02	1.42E-02	1.34E-02	5.65E+00
ADULT	TOTALS	3.51E-01	1.68E-02	1.31E-02	1.42E-02	1.35E-02	5.65E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
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 DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	2.08E+00	5.16E-02	4.98E-02	5.99E-02	5.36E-02	3.39E+01
CHILD	TOTALS	2.08E+00	5.29E-02	5.02E-02	5.47E-02	5.19E-02	3.39E+01
TEENAGE	TOTALS	2.08E+00	5.63E-02	5.05E-02	5.24E-02	5.12E-02	3.39E+01
ADULT	TOTALS	2.08E+00	5.61E-02	5.09E-02	5.25E-02	5.14E-02	3.39E+01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.62E-01	1.06E-02	8.60E-03	1.99E-02	1.28E-02	2.55E+00
CHILD	TOTALS	1.62E-01	1.21E-02	9.09E-03	1.41E-02	1.10E-02	2.55E+00
TEENAGE	TOTALS	1.62E-01	1.58E-02	9.43E-03	1.16E-02	1.02E-02	2.55E+00
ADULT	TOTALS	1.62E-01	1.56E-02	9.84E-03	1.16E-02	1.04E-02	2.55E+00

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Uranerz - Nichols Ranch DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	2.53E-01	1.31E-02	1.18E-02	1.90E-02	1.45E-02	4.02E+00
CHILD	TOTALS	2.53E-01	1.41E-02	1.21E-02	1.53E-02	1.33E-02	4.02E+00
TEENAGE	TOTALS	2.53E-01	1.65E-02	1.24E-02	1.37E-02	1.29E-02	4.02E+00
ADULT	TOTALS	2.53E-01	1.63E-02	1.26E-02	1.38E-02	1.30E-02	4.02E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	1.30E-01	6.94E-03	5.83E-03	1.21E-02	8.18E-03	2.07E+00
CHILD	TOTALS	1.30E-01	7.77E-03	6.10E-03	8.87E-03	7.15E-03	2.07E+00
TEENAGE	TOTALS	1.30E-01	9.87E-03	6.29E-03	7.48E-03	6.75E-03	2.07E+00
ADULT	TOTALS	1.30E-01	9.73E-03	6.53E-03	7.52E-03	6.84E-03	2.07E+00

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 DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	1.65E+00	3.20E-02	2.99E-02	4.19E-02	3.44E-02	2.71E+01
CHILD	TOTALS	1.65E+00	3.36E-02	3.04E-02	3.57E-02	3.24E-02	2.71E+01
TEENAGE	TOTALS	1.65E+00	3.76E-02	3.08E-02	3.30E-02	3.16E-02	2.71E+01
ADULT	TOTALS	1.65E+00	3.73E-02	3.12E-02	3.31E-02	3.18E-02	2.71E+01

TIME STEP NUMBER 8, 2021

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 8--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.	1.115E-02	9.027E-02	1.471E-03	6.770E-02	3.256E-02	5.092E+00
GROUND	7.360E-04	7.360E-04	7.360E-04	7.360E-04	7.360E-04	7.360E-04
CLOUD	4.335E-02	4.335E-02	4.335E-02	4.335E-02	4.335E-02	4.335E-02
VEG. ING	7.038E-02	8.133E-01	7.038E-02	2.417E-01	1.969E-01	7.038E-02
MEAT ING	3.917E-03	4.526E-02	3.917E-03	1.345E-02	1.096E-02	3.917E-03
MILK ING	7.951E-04	9.187E-03	7.951E-04	2.731E-03	2.224E-03	7.951E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.303E-01	1.002E+00	1.206E-01	3.697E-01	2.867E-01	5.211E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	6.608E-01	7.636E+00	6.608E-01	2.269E+00	1.849E+00	6.608E-01
MEAT ING	8.194E-03	9.469E-02	8.194E-03	2.814E-02	2.292E-02	8.194E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	6.288E+00	8.574E+01	1.429E+00	6.288E+00	6.288E+00	4.001E+01
TOTALS	6.957E+00	9.347E+01	2.098E+00	8.585E+00	8.159E+00	4.068E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.115E-02	9.027E-02	1.471E-03	6.770E-02	3.256E-02	5.092E+00
GROUND	7.360E-04	7.360E-04	7.360E-04	7.360E-04	7.360E-04	7.360E-04
CLOUD	4.335E-02	4.335E-02	4.335E-02	4.335E-02	4.335E-02	4.335E-02
VEG. ING	7.312E-01	8.449E+00	7.312E-01	2.511E+00	2.045E+00	7.312E-01
MEAT ING	1.211E-02	1.399E-01	1.211E-02	4.160E-02	3.388E-02	1.211E-02
MILK ING	7.951E-04	9.187E-03	7.951E-04	2.731E-03	2.224E-03	7.951E-04
RNPLUS50	6.288E+00	8.574E+01	1.429E+00	6.288E+00	6.288E+00	4.001E+01
TOTALS	7.087E+00	9.448E+01	2.219E+00	8.955E+00	8.446E+00	4.589E+01

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.47E-01	1.07E-02	9.43E-03	1.65E-02	1.21E-02	2.30E+00
CHILD	TOTALS	1.47E-01	1.17E-02	9.74E-03	1.29E-02	1.09E-02	2.30E+00
TEENAGE	TOTALS	1.47E-01	1.40E-02	9.96E-03	1.13E-02	1.05E-02	2.30E+00
ADULT	TOTALS	1.47E-01	1.39E-02	1.02E-02	1.14E-02	1.06E-02	2.30E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	1.17E-01	9.03E-03	7.36E-03	1.68E-02	1.09E-02	1.83E+00
CHILD	TOTALS	1.17E-01	1.03E-02	7.77E-03	1.20E-02	9.35E-03	1.83E+00
TEENAGE	TOTALS	1.17E-01	1.34E-02	8.05E-03	9.84E-03	8.74E-03	1.83E+00
ADULT	TOTALS	1.17E-01	1.32E-02	8.40E-03	9.90E-03	8.88E-03	1.83E+00

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DURATION IN YRS IS... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	1.84E-01	2.22E-02	1.76E-02	4.34E-02	2.73E-02	2.78E+00
CHILD	TOTALS	1.84E-01	2.56E-02	1.87E-02	3.02E-02	2.30E-02	2.78E+00
TEENAGE	TOTALS	1.84E-01	3.43E-02	1.95E-02	2.44E-02	2.14E-02	2.78E+00
ADULT	TOTALS	1.84E-01	3.37E-02	2.05E-02	2.46E-02	2.18E-02	2.78E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	2.48E-01	2.05E-02	1.77E-02	3.38E-02	2.38E-02	3.85E+00
CHILD	TOTALS	2.48E-01	2.27E-02	1.84E-02	2.56E-02	2.11E-02	3.85E+00
TEENAGE	TOTALS	2.48E-01	2.81E-02	1.89E-02	2.19E-02	2.00E-02	3.85E+00
ADULT	TOTALS	2.48E-01	2.78E-02	1.95E-02	2.20E-02	2.03E-02	3.85E+00

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 Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	3.40E-01	2.29E-02	2.01E-02	3.54E-02	2.59E-02	5.34E+00
CHILD	TOTALS	3.40E-01	2.49E-02	2.08E-02	2.76E-02	2.34E-02	5.34E+00
TEENAGE	TOTALS	3.40E-01	3.00E-02	2.13E-02	2.42E-02	2.24E-02	5.34E+00
ADULT	TOTALS	3.40E-01	2.97E-02	2.18E-02	2.43E-02	2.26E-02	5.34E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	1.15E-01	1.45E-02	1.10E-02	3.11E-02	1.86E-02	1.73E+00
CHILD	TOTALS	1.15E-01	1.72E-02	1.18E-02	2.08E-02	1.52E-02	1.73E+00
TEENAGE	TOTALS	1.15E-01	2.40E-02	1.24E-02	1.63E-02	1.39E-02	1.73E+00
ADULT	TOTALS	1.15E-01	2.35E-02	1.32E-02	1.64E-02	1.42E-02	1.73E+00

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	8.45E-02	1.29E-02	8.98E-03	3.11E-02	1.73E-02	1.25E+00
CHILD	TOTALS	8.41E-02	1.59E-02	9.94E-03	1.98E-02	1.37E-02	1.25E+00
TEENAGE	TOTALS	8.44E-02	2.33E-02	1.06E-02	1.48E-02	1.22E-02	1.25E+00
ADULT	TOTALS	8.45E-02	2.28E-02	1.14E-02	1.49E-02	1.26E-02	1.25E+00

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	2.92E-01	3.03E-02	2.52E-02	5.41E-02	3.61E-02	4.46E+00
CHILD	TOTALS	2.92E-01	3.41E-02	2.65E-02	3.93E-02	3.13E-02	4.46E+00
TEENAGE	TOTALS	2.92E-01	4.38E-02	2.73E-02	3.28E-02	2.94E-02	4.46E+00
ADULT	TOTALS	2.92E-01	4.31E-02	2.84E-02	3.30E-02	2.99E-02	4.46E+00

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 DURATION IN YRS IS... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	2.31E-01	1.78E-02	1.50E-02	3.05E-02	2.09E-02	3.60E+00
CHILD	TOTALS	2.30E-01	1.98E-02	1.57E-02	2.26E-02	1.83E-02	3.60E+00
TEENAGE	TOTALS	2.30E-01	2.50E-02	1.61E-02	1.91E-02	1.73E-02	3.60E+00
ADULT	TOTALS	2.31E-01	2.47E-02	1.67E-02	1.92E-02	1.75E-02	3.60E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.73E-01	1.08E-02	8.92E-03	1.98E-02	1.30E-02	2.73E+00
CHILD	TOTALS	1.73E-01	1.23E-02	9.39E-03	1.42E-02	1.12E-02	2.73E+00
TEENAGE	TOTALS	1.73E-01	1.59E-02	9.71E-03	1.18E-02	1.05E-02	2.73E+00
ADULT	TOTALS	1.73E-01	1.57E-02	1.01E-02	1.18E-02	1.07E-02	2.73E+00

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 DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	2.50E-01	2.54E-02	2.10E-02	4.58E-02	3.04E-02	3.81E+00
CHILD	TOTALS	2.49E-01	2.87E-02	2.21E-02	3.31E-02	2.63E-02	3.81E+00
TEENAGE	TOTALS	2.50E-01	3.70E-02	2.29E-02	2.76E-02	2.47E-02	3.81E+00
ADULT	TOTALS	2.50E-01	3.64E-02	2.38E-02	2.77E-02	2.50E-02	3.81E+00

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	3.23E-01	2.22E-02	1.96E-02	3.44E-02	2.52E-02	5.06E+00
CHILD	TOTALS	3.23E-01	2.42E-02	2.02E-02	2.68E-02	2.27E-02	5.06E+00
TEENAGE	TOTALS	3.23E-01	2.91E-02	2.07E-02	2.35E-02	2.17E-02	5.06E+00
ADULT	TOTALS	3.23E-01	2.88E-02	2.12E-02	2.36E-02	2.20E-02	5.06E+00

Uranerz - Nichols Ranch
Uranerz - Nichols Ranch

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DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	3.84E+00	3.70E-02	3.53E-02	4.50E-02	3.89E-02	6.35E+01
CHILD	TOTALS	3.84E+00	3.83E-02	3.57E-02	4.00E-02	3.73E-02	6.35E+01
TEENAGE	TOTALS	3.84E+00	4.16E-02	3.60E-02	3.78E-02	3.67E-02	6.35E+01
ADULT	TOTALS	3.84E+00	4.13E-02	3.64E-02	3.79E-02	3.69E-02	6.35E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	3.35E-01	1.52E-02	1.33E-02	2.38E-02	1.73E-02	5.37E+00
CHILD	TOTALS	3.35E-01	1.66E-02	1.38E-02	1.85E-02	1.56E-02	5.37E+00
TEENAGE	TOTALS	3.35E-01	2.01E-02	1.41E-02	1.61E-02	1.49E-02	5.37E+00
ADULT	TOTALS	3.35E-01	1.99E-02	1.45E-02	1.62E-02	1.50E-02	5.37E+00

Location: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Location: Uranerz - Nichols Ranch DATA: uranerz4.MIL
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 DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	1.85E+00	4.81E-02	4.58E-02	5.88E-02	5.07E-02	3.01E+01
CHILD	TOTALS	1.85E+00	4.99E-02	4.64E-02	5.22E-02	4.86E-02	3.01E+01
TEENAGE	TOTALS	1.85E+00	5.42E-02	4.68E-02	4.92E-02	4.77E-02	3.01E+01
ADULT	TOTALS	1.85E+00	5.39E-02	4.73E-02	4.93E-02	4.79E-02	3.01E+01

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	1.09E-02	9.14E-03	1.93E-02	1.30E-02	3.64E+00
CHILD	TOTALS	2.28E-01	1.23E-02	9.58E-03	1.41E-02	1.13E-02	3.64E+00
TEENAGE	TOTALS	2.28E-01	1.57E-02	9.89E-03	1.18E-02	1.06E-02	3.64E+00
ADULT	TOTALS	2.28E-01	1.55E-02	1.03E-02	1.19E-02	1.08E-02	3.64E+00

NAME: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 92
 LOCATION: Uranerz - Nichols Ranch DATA: uranerz4.MIL 03/18/14
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NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	4.22E-01	1.98E-02	1.83E-02	2.65E-02	2.14E-02	6.75E+00
CHILD	TOTALS	4.22E-01	2.09E-02	1.87E-02	2.23E-02	2.01E-02	6.75E+00
TEENAGE	TOTALS	4.22E-01	2.36E-02	1.89E-02	2.05E-02	1.95E-02	6.75E+00
ADULT	TOTALS	4.22E-01	2.35E-02	1.92E-02	2.05E-02	1.97E-02	6.75E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	2.10E-01	9.32E-03	8.19E-03	1.46E-02	1.06E-02	3.37E+00
CHILD	TOTALS	2.10E-01	1.02E-02	8.47E-03	1.13E-02	9.54E-03	3.37E+00
TEENAGE	TOTALS	2.10E-01	1.23E-02	8.67E-03	9.88E-03	9.13E-03	3.37E+00
ADULT	TOTALS	2.10E-01	1.22E-02	8.91E-03	9.92E-03	9.23E-03	3.37E+00

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DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	2.92E+00	5.15E-02	4.92E-02	6.18E-02	5.40E-02	4.79E+01
CHILD	TOTALS	2.92E+00	5.31E-02	4.98E-02	5.54E-02	5.19E-02	4.79E+01
TEENAGE	TOTALS	2.92E+00	5.73E-02	5.02E-02	5.25E-02	5.11E-02	4.79E+01
ADULT	TOTALS	2.92E+00	5.70E-02	5.06E-02	5.26E-02	5.13E-02	4.79E+01

TIME STEP NUMBER 9, 2022

DURATION IN YRS IS... 1.0

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP 9--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.	6.621E-03	5.360E-02	8.788E-04	4.020E-02	1.933E-02	2.891E+00
GROUND	4.954E-04	4.954E-04	4.954E-04	4.954E-04	4.954E-04	4.954E-04
CLOUD	2.471E-02	2.471E-02	2.471E-02	2.471E-02	2.471E-02	2.471E-02
VEG. ING	4.218E-02	4.874E-01	4.218E-02	1.449E-01	1.180E-01	4.218E-02
MEAT ING	2.463E-03	2.846E-02	2.463E-03	8.459E-03	6.891E-03	2.463E-03
MILK ING	5.000E-04	5.777E-03	5.000E-04	1.717E-03	1.399E-03	5.000E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	7.697E-02	6.004E-01	7.122E-02	2.204E-01	1.708E-01	2.962E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	3.960E-01	4.576E+00	3.960E-01	1.360E+00	1.108E+00	3.960E-01
MEAT ING	5.153E-03	5.955E-02	5.153E-03	1.770E-02	1.442E-02	5.153E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	3.794E+00	5.174E+01	8.623E-01	3.794E+00	3.794E+00	2.414E+01
TOTALS	4.195E+00	5.637E+01	1.263E+00	5.172E+00	4.916E+00	2.455E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.621E-03	5.360E-02	8.788E-04	4.020E-02	1.933E-02	2.891E+00
GROUND	4.954E-04	4.954E-04	4.954E-04	4.954E-04	4.954E-04	4.954E-04
CLOUD	2.471E-02	2.471E-02	2.471E-02	2.471E-02	2.471E-02	2.471E-02
VEG. ING	4.382E-01	5.063E+00	4.382E-01	1.505E+00	1.226E+00	4.382E-01
MEAT ING	7.616E-03	8.801E-02	7.616E-03	2.616E-02	2.131E-02	7.616E-03
MILK ING	5.000E-04	5.777E-03	5.000E-04	1.717E-03	1.399E-03	5.000E-04
RNPLUS50	3.794E+00	5.174E+01	8.623E-01	3.794E+00	3.794E+00	2.414E+01
TOTALS	4.272E+00	5.697E+01	1.335E+00	5.392E+00	5.087E+00	2.751E+01

Location: Uranerz - Nichols Ranch
Site: Uranerz - Nichols Ranch

CODE: MILDOS-AREA (02/97)
DATA: uranerz4.MIL
TIME STEP NUMBER 9, 2022

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DURATION IN YRS IS... 1.0

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.21E-01	8.04E-03	7.26E-03	1.16E-02	8.92E-03	1.90E+00
CHILD	TOTALS	1.21E-01	8.68E-03	7.47E-03	9.42E-03	8.21E-03	1.90E+00
TEENAGE	TOTALS	1.21E-01	1.02E-02	7.61E-03	8.45E-03	7.93E-03	1.90E+00
ADULT	TOTALS	1.21E-01	1.01E-02	7.79E-03	8.49E-03	8.01E-03	1.90E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	8.97E-02	5.03E-03	4.38E-03	8.00E-03	5.75E-03	1.42E+00
CHILD	TOTALS	8.96E-02	5.55E-03	4.56E-03	6.16E-03	5.16E-03	1.42E+00
TEENAGE	TOTALS	8.96E-02	6.79E-03	4.67E-03	5.36E-03	4.93E-03	1.42E+00
ADULT	TOTALS	8.97E-02	6.74E-03	4.82E-03	5.39E-03	5.00E-03	1.42E+00

Location: Uranerz - Nichols Ranch
Code: MILDOS-AREA (02/97)
Data: uranerz4.MIL
Time Step Number 9, 2022

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Duration in Yrs is... 1.0

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	8.50E-02	1.02E-02	7.95E-03	2.03E-02	1.26E-02	1.28E+00
CHILD	TOTALS	8.48E-02	1.19E-02	8.53E-03	1.40E-02	1.06E-02	1.28E+00
TEENAGE	TOTALS	8.49E-02	1.61E-02	8.93E-03	1.13E-02	9.82E-03	1.28E+00
ADULT	TOTALS	8.50E-02	1.60E-02	9.42E-03	1.14E-02	1.00E-02	1.28E+00

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	1.04E-01	9.88E-03	7.96E-03	1.88E-02	1.20E-02	1.60E+00
CHILD	TOTALS	1.04E-01	1.14E-02	8.45E-03	1.32E-02	1.03E-02	1.60E+00
TEENAGE	TOTALS	1.04E-01	1.50E-02	8.78E-03	1.08E-02	9.57E-03	1.60E+00
ADULT	TOTALS	1.04E-01	1.48E-02	9.20E-03	1.09E-02	9.74E-03	1.60E+00

Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 Uranerz - Nichols Ranch DATA: uranerz4.MIL
 TIME STEP NUMBER 9, 2022

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 DURATION IN YRS IS... 1.0

NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	1.25E-01	1.04E-02	8.43E-03	1.93E-02	1.25E-02	1.94E+00
CHILD	TOTALS	1.24E-01	1.19E-02	8.92E-03	1.37E-02	1.07E-02	1.94E+00
TEENAGE	TOTALS	1.25E-01	1.55E-02	9.26E-03	1.13E-02	1.00E-02	1.94E+00
ADULT	TOTALS	1.25E-01	1.53E-02	9.68E-03	1.14E-02	1.02E-02	1.94E+00

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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	5.15E-02	7.35E-03	5.16E-03	1.75E-02	9.82E-03	7.68E-01
CHILD	TOTALS	5.13E-02	9.08E-03	5.73E-03	1.12E-02	7.79E-03	7.68E-01
TEENAGE	TOTALS	5.15E-02	1.33E-02	6.11E-03	8.46E-03	7.00E-03	7.68E-01
ADULT	TOTALS	5.15E-02	1.30E-02	6.59E-03	8.55E-03	7.21E-03	7.68E-01

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
: Uranerz - Nichols Ranch DATA: uranerz4.MIL
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DURATION IN YRS IS... 1.0

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	3.98E-02	6.75E-03	4.41E-03	1.76E-02	9.38E-03	5.85E-01
CHILD	TOTALS	3.96E-02	8.59E-03	5.01E-03	1.09E-02	7.22E-03	5.85E-01
TEENAGE	TOTALS	3.98E-02	1.31E-02	5.42E-03	7.93E-03	6.38E-03	5.85E-01
ADULT	TOTALS	3.98E-02	1.28E-02	5.94E-03	8.03E-03	6.60E-03	5.85E-01

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	1.85E-01	1.68E-02	1.45E-02	2.74E-02	1.94E-02	2.84E+00
CHILD	TOTALS	1.85E-01	1.86E-02	1.51E-02	2.09E-02	1.73E-02	2.84E+00
TEENAGE	TOTALS	1.85E-01	2.30E-02	1.55E-02	1.80E-02	1.65E-02	2.84E+00
ADULT	TOTALS	1.85E-01	2.28E-02	1.60E-02	1.81E-02	1.67E-02	2.84E+00

Location: Uranerz - Nichols Ranch
Code: MILDOS-AREA (02/97)
Data: uranerz4.MIL
Time Step Number 9, 2022

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Duration in Yrs is... 1.0

NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	1.70E-01	9.91E-03	8.80E-03	1.50E-02	1.12E-02	2.69E+00
CHILD	TOTALS	1.70E-01	1.08E-02	9.09E-03	1.19E-02	1.01E-02	2.69E+00
TEENAGE	TOTALS	1.70E-01	1.30E-02	9.29E-03	1.05E-02	9.74E-03	2.69E+00
ADULT	TOTALS	1.70E-01	1.29E-02	9.55E-03	1.05E-02	9.86E-03	2.69E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.33E-01	5.29E-03	4.67E-03	8.17E-03	5.99E-03	2.14E+00
CHILD	TOTALS	1.33E-01	5.82E-03	4.84E-03	6.40E-03	5.43E-03	2.14E+00
TEENAGE	TOTALS	1.33E-01	7.03E-03	4.96E-03	5.62E-03	5.21E-03	2.14E+00
ADULT	TOTALS	1.33E-01	7.00E-03	5.10E-03	5.66E-03	5.27E-03	2.14E+00

U: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 T: Uranerz - Nichols Ranch DATA: uranerz4.MIL
 TIME STEP NUMBER 9, 2022

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 DURATION IN YRS IS... 1.0

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	1.75E-01	1.52E-02	1.32E-02	2.43E-02	1.74E-02	2.70E+00
CHILD	TOTALS	1.75E-01	1.67E-02	1.37E-02	1.86E-02	1.56E-02	2.70E+00
TEENAGE	TOTALS	1.75E-01	2.05E-02	1.41E-02	1.62E-02	1.49E-02	2.70E+00
ADULT	TOTALS	1.75E-01	2.03E-02	1.45E-02	1.63E-02	1.51E-02	2.70E+00

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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-01	1.04E-02	8.52E-03	1.89E-02	1.24E-02	1.96E+00
CHILD	TOTALS	1.26E-01	1.18E-02	8.99E-03	1.36E-02	1.07E-02	1.96E+00
TEENAGE	TOTALS	1.26E-01	1.53E-02	9.31E-03	1.13E-02	1.01E-02	1.96E+00
ADULT	TOTALS	1.26E-01	1.51E-02	9.71E-03	1.13E-02	1.02E-02	1.96E+00

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 DURATION IN YRS IS... 1.0

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	1.13E+00	1.48E-02	1.32E-02	2.22E-02	1.66E-02	1.87E+01
CHILD	TOTALS	1.13E+00	1.60E-02	1.36E-02	1.76E-02	1.51E-02	1.87E+01
TEENAGE	TOTALS	1.13E+00	1.91E-02	1.39E-02	1.56E-02	1.46E-02	1.87E+01
ADULT	TOTALS	1.13E+00	1.89E-02	1.42E-02	1.57E-02	1.47E-02	1.87E+01

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	9.08E-03	7.45E-03	1.66E-02	1.09E-02	2.14E+00
CHILD	TOTALS	1.36E-01	1.03E-02	7.86E-03	1.19E-02	9.40E-03	2.14E+00
TEENAGE	TOTALS	1.36E-01	1.34E-02	8.14E-03	9.88E-03	8.81E-03	2.14E+00
ADULT	TOTALS	1.36E-01	1.32E-02	8.49E-03	9.94E-03	8.95E-03	2.14E+00

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DURATION IN YRS IS... 1.0

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	5.68E-01	1.80E-02	1.63E-02	2.59E-02	1.99E-02	9.21E+00
CHILD	TOTALS	5.68E-01	1.93E-02	1.68E-02	2.10E-02	1.84E-02	9.21E+00
TEENAGE	TOTALS	5.68E-01	2.26E-02	1.70E-02	1.89E-02	1.77E-02	9.21E+00
ADULT	TOTALS	5.68E-01	2.24E-02	1.74E-02	1.89E-02	1.79E-02	9.21E+00

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	5.48E-03	4.89E-03	8.19E-03	6.14E-03	3.04E+00
CHILD	TOTALS	1.87E-01	5.98E-03	5.06E-03	6.52E-03	5.61E-03	3.04E+00
TEENAGE	TOTALS	1.87E-01	7.13E-03	5.17E-03	5.80E-03	5.40E-03	3.04E+00
ADULT	TOTALS	1.87E-01	7.10E-03	5.31E-03	5.83E-03	5.47E-03	3.04E+00

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 DURATION IN YRS IS... 1.0

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	4.06E-01	1.75E-02	1.66E-02	2.17E-02	1.85E-02	6.50E+00
CHILD	TOTALS	4.06E-01	1.82E-02	1.68E-02	1.91E-02	1.76E-02	6.50E+00
TEENAGE	TOTALS	4.06E-01	1.99E-02	1.70E-02	1.79E-02	1.73E-02	6.50E+00
ADULT	TOTALS	4.06E-01	1.98E-02	1.72E-02	1.80E-02	1.74E-02	6.50E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	1.97E-01	7.28E-03	6.72E-03	9.87E-03	7.91E-03	3.18E+00
CHILD	TOTALS	1.97E-01	7.74E-03	6.87E-03	8.27E-03	7.40E-03	3.18E+00
TEENAGE	TOTALS	1.97E-01	8.82E-03	6.97E-03	7.57E-03	7.20E-03	3.18E+00
ADULT	TOTALS	1.97E-01	8.79E-03	7.10E-03	7.60E-03	7.26E-03	3.18E+00

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DURATION IN YRS IS... 1.0

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	2.93E+00	4.80E-02	4.68E-02	5.33E-02	4.93E-02	4.81E+01
CHILD	TOTALS	2.93E+00	4.89E-02	4.71E-02	5.00E-02	4.82E-02	4.81E+01
TEENAGE	TOTALS	2.93E+00	5.11E-02	4.73E-02	4.85E-02	4.78E-02	4.81E+01
ADULT	TOTALS	2.93E+00	5.10E-02	4.76E-02	4.86E-02	4.79E-02	4.81E+01

TIME STEP NUMBER10, 2023

DURATION IN YRS IS... 1.5

SUMMARY PRINT OF POPULATION DOSES COMPUTED FOR TSTEP10--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.	6.879E-03	5.569E-02	9.180E-04	4.177E-02	2.009E-02	2.876E+00
GROUND	5.069E-04	5.069E-04	5.069E-04	5.069E-04	5.069E-04	5.069E-04
CLOUD	2.468E-02	2.468E-02	2.468E-02	2.468E-02	2.468E-02	2.468E-02
VEG. ING	4.354E-02	5.031E-01	4.354E-02	1.495E-01	1.218E-01	4.354E-02
MEAT ING	2.555E-03	2.952E-02	2.555E-03	8.774E-03	7.146E-03	2.555E-03
MILK ING	5.185E-04	5.992E-03	5.185E-04	1.781E-03	1.451E-03	5.185E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	7.868E-02	6.195E-01	7.272E-02	2.270E-01	1.757E-01	2.948E+00

DOSES RECEIVED BY PEOPLE BEYOND 80 KILOMETERS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
GROUND	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
CLOUD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
VEG. ING	4.088E-01	4.724E+00	4.088E-01	1.404E+00	1.144E+00	4.088E-01
MEAT ING	5.344E-03	6.176E-02	5.344E-03	1.836E-02	1.495E-02	5.344E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	4.000E+00	5.455E+01	9.091E-01	4.000E+00	4.000E+00	2.545E+01
TOTALS	4.414E+00	5.933E+01	1.323E+00	5.422E+00	5.159E+00	2.587E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.879E-03	5.569E-02	9.180E-04	4.177E-02	2.009E-02	2.876E+00
GROUND	5.069E-04	5.069E-04	5.069E-04	5.069E-04	5.069E-04	5.069E-04
CLOUD	2.468E-02	2.468E-02	2.468E-02	2.468E-02	2.468E-02	2.468E-02
VEG. ING	4.523E-01	5.227E+00	4.523E-01	1.554E+00	1.265E+00	4.523E-01
MEAT ING	7.899E-03	9.127E-02	7.899E-03	2.713E-02	2.210E-02	7.899E-03
MILK ING	5.185E-04	5.992E-03	5.185E-04	1.781E-03	1.451E-03	5.185E-04
RNPLUS50	4.000E+00	5.455E+01	9.091E-01	4.000E+00	4.000E+00	2.545E+01
TOTALS	4.493E+00	5.995E+01	1.396E+00	5.649E+00	5.334E+00	2.882E+01

Uranerz - Nichols Ranch
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DURATION IN YRS IS... 1.5

NUMBER 1 NAME=T-Chair Ranch X= 3.7KM, Y= -2.2KM, Z= -7.0M, DIST= 4.3KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.59E-01	9.99E-03	9.15E-03	1.39E-02	1.09E-02	2.50E+00
CHILD	TOTALS	1.59E-01	1.07E-02	9.38E-03	1.15E-02	1.02E-02	2.50E+00
TEENAGE	TOTALS	1.59E-01	1.23E-02	9.53E-03	1.04E-02	9.87E-03	2.50E+00
ADULT	TOTALS	1.59E-01	1.22E-02	9.72E-03	1.05E-02	9.95E-03	2.50E+00

NUMBER 2 NAME=Dry Fork Ranch X= -2.7KM, Y= -1.1KM, Z= -58.0M, DIST= 2.9KM, 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	1.13E-01	4.90E-03	4.57E-03	6.42E-03	5.27E-03	1.80E+00
CHILD	TOTALS	1.13E-01	5.20E-03	4.67E-03	5.49E-03	4.97E-03	1.80E+00
TEENAGE	TOTALS	1.13E-01	5.86E-03	4.73E-03	5.08E-03	4.86E-03	1.80E+00
ADULT	TOTALS	1.13E-01	5.86E-03	4.81E-03	5.11E-03	4.90E-03	1.80E+00

Uranerz - Nichols Ranch
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DURATION IN YRS IS... 1.5

NUMBER 3 NAME=Christensen Ranch X= 1.8KM, Y= 7.8KM, Z= -1.0M, DIST= 8.0KM, 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	6.47E-02	7.64E-03	5.87E-03	1.58E-02	9.63E-03	9.78E-01
CHILD	TOTALS	6.45E-02	9.12E-03	6.35E-03	1.08E-02	8.01E-03	9.78E-01
TEENAGE	TOTALS	6.46E-02	1.25E-02	6.67E-03	8.57E-03	7.39E-03	9.78E-01
ADULT	TOTALS	6.47E-02	1.24E-02	7.08E-03	8.66E-03	7.57E-03	9.78E-01

NUMBER 4 NAME=Pfister Ranch X= 7.8KM, Y= 7.4KM, Z= 78.0M, DIST= 10.8KM, 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	6.58E-02	8.02E-03	5.83E-03	1.82E-02	1.05E-02	9.95E-01
CHILD	TOTALS	6.56E-02	9.73E-03	6.39E-03	1.19E-02	8.46E-03	9.95E-01
TEENAGE	TOTALS	6.57E-02	1.39E-02	6.77E-03	9.12E-03	7.66E-03	9.95E-01
ADULT	TOTALS	6.58E-02	1.37E-02	7.24E-03	9.20E-03	7.87E-03	9.95E-01

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NUMBER 5 NAME=Pumpkin Butte Ranch X= 11.1KM, Y= 3.6KM, Z= 218.0M, DIST= 11.7KM, 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	5.48E-02	7.66E-03	5.36E-03	1.83E-02	1.03E-02	8.19E-01
CHILD	TOTALS	5.46E-02	9.45E-03	5.94E-03	1.17E-02	8.12E-03	8.19E-01
TEENAGE	TOTALS	5.47E-02	1.38E-02	6.34E-03	8.81E-03	7.28E-03	8.19E-01
ADULT	TOTALS	5.48E-02	1.36E-02	6.84E-03	8.90E-03	7.50E-03	8.19E-01

NUMBER 6 NAME=Van Buggenum Ranch X= 15.4KM, Y= 5.3KM, Z= 130.0M, DIST= 16.3KM, 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-02	6.41E-03	4.06E-03	1.73E-02	9.05E-03	5.51E-01
CHILD	TOTALS	3.73E-02	8.25E-03	4.67E-03	1.05E-02	6.88E-03	5.51E-01
TEENAGE	TOTALS	3.74E-02	1.27E-02	5.07E-03	7.59E-03	6.03E-03	5.51E-01
ADULT	TOTALS	3.75E-02	1.25E-02	5.59E-03	7.69E-03	6.25E-03	5.51E-01

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DURATION IN YRS IS... 1.5

NUMBER 7 NAME=Ruby Ranch X= 19.0KM, Y= 2.9KM, Z= 101.0M, DIST= 19.2KM, 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	3.14E-02	6.13E-03	3.69E-03	1.74E-02	8.87E-03	4.55E-01
CHILD	TOTALS	3.12E-02	8.06E-03	4.32E-03	1.04E-02	6.62E-03	4.55E-01
TEENAGE	TOTALS	3.13E-02	1.27E-02	4.75E-03	7.36E-03	5.74E-03	4.55E-01
ADULT	TOTALS	3.14E-02	1.25E-02	5.29E-03	7.46E-03	5.97E-03	4.55E-01

NUMBER 8 NAME=Nichols-north centra X= -0.4KM, Y= 1.3KM, Z= 57.0M, 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	2.03E-01	1.63E-02	1.46E-02	2.40E-02	1.82E-02	3.14E+00
CHILD	TOTALS	2.03E-01	1.77E-02	1.51E-02	1.93E-02	1.67E-02	3.14E+00
TEENAGE	TOTALS	2.03E-01	2.09E-02	1.54E-02	1.72E-02	1.61E-02	3.14E+00
ADULT	TOTALS	2.03E-01	2.08E-02	1.58E-02	1.73E-02	1.62E-02	3.14E+00

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NUMBER 9 NAME=Nichols-east central X= 0.6KM, Y= 0.2KM, Z= -2.0M, 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	2.09E-01	9.68E-03	9.03E-03	1.27E-02	1.04E-02	3.34E+00
CHILD	TOTALS	2.09E-01	1.03E-02	9.22E-03	1.08E-02	9.82E-03	3.34E+00
TEENAGE	TOTALS	2.09E-01	1.15E-02	9.35E-03	1.00E-02	9.60E-03	3.34E+00
ADULT	TOTALS	2.09E-01	1.15E-02	9.50E-03	1.01E-02	9.68E-03	3.34E+00

NUMBER 10 NAME=Nichols-south centra X= -0.3KM, Y= -1.1KM, Z= -18.0M, DIST= 1.1KM, IRTYPE= 1

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

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

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	1.67E-01	4.39E-03	4.25E-03	5.06E-03	4.56E-03	2.72E+00
CHILD	TOTALS	1.67E-01	4.58E-03	4.31E-03	4.67E-03	4.44E-03	2.72E+00
TEENAGE	TOTALS	1.67E-01	4.90E-03	4.35E-03	4.50E-03	4.40E-03	2.72E+00
ADULT	TOTALS	1.67E-01	4.95E-03	4.40E-03	4.52E-03	4.43E-03	2.72E+00

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DURATION IN YRS IS... 1.5

NUMBER 11 NAME=Nichols-west central X= -1.4KM, Y= 0.5KM, Z= 12.0M, 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	2.08E-01	1.58E-02	1.44E-02	2.24E-02	1.74E-02	3.23E+00
CHILD	TOTALS	2.08E-01	1.70E-02	1.48E-02	1.83E-02	1.61E-02	3.23E+00
TEENAGE	TOTALS	2.08E-01	1.98E-02	1.50E-02	1.66E-02	1.56E-02	3.23E+00
ADULT	TOTALS	2.08E-01	1.97E-02	1.54E-02	1.66E-02	1.58E-02	3.23E+00

NUMBER 12 NAME=Hank-north central X= 7.9KM, Y= 6.6KM, Z= 86.0M, DIST= 10.3KM, 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	6.73E-02	8.03E-03	5.86E-03	1.81E-02	1.05E-02	1.02E+00
CHILD	TOTALS	6.71E-02	9.71E-03	6.41E-03	1.18E-02	8.46E-03	1.02E+00
TEENAGE	TOTALS	6.72E-02	1.38E-02	6.79E-03	9.11E-03	7.68E-03	1.02E+00
ADULT	TOTALS	6.73E-02	1.36E-02	7.26E-03	9.20E-03	7.88E-03	1.02E+00

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DURATION IN YRS IS... 1.5

NUMBER 13 NAME=Hank-east central X= 8.8KM, Y= 3.3KM, Z= 160.0M, DIST= 9.4KM, 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	7.05E-02	8.51E-03	6.30E-03	1.88E-02	1.10E-02	1.07E+00
CHILD	TOTALS	7.03E-02	1.02E-02	6.85E-03	1.24E-02	8.94E-03	1.07E+00
TEENAGE	TOTALS	7.04E-02	1.44E-02	7.22E-03	9.60E-03	8.13E-03	1.07E+00
ADULT	TOTALS	7.05E-02	1.41E-02	7.69E-03	9.67E-03	8.33E-03	1.07E+00

NUMBER 14 NAME=Hank-south central X= 7.9KM, Y= 1.3KM, Z= 139.0M, DIST= 8.0KM, 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	8.01E-02	9.48E-03	7.29E-03	1.96E-02	1.19E-02	1.21E+00
CHILD	TOTALS	7.99E-02	1.11E-02	7.84E-03	1.33E-02	9.90E-03	1.21E+00
TEENAGE	TOTALS	8.01E-02	1.53E-02	8.21E-03	1.06E-02	9.11E-03	1.21E+00
ADULT	TOTALS	8.01E-02	1.50E-02	8.68E-03	1.06E-02	9.30E-03	1.21E+00

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 DURATION IN YRS IS... 1.5

NUMBER 15 NAME=Hank-west central X= 7.1KM, Y= 4.2KM, Z= 102.0M, DIST= 8.2KM, 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	7.92E-02	8.55E-03	6.47E-03	1.82E-02	1.09E-02	1.21E+00
CHILD	TOTALS	7.91E-02	1.01E-02	6.99E-03	1.22E-02	8.95E-03	1.21E+00
TEENAGE	TOTALS	7.92E-02	1.41E-02	7.35E-03	9.58E-03	8.20E-03	1.21E+00
ADULT	TOTALS	7.93E-02	1.39E-02	7.80E-03	9.66E-03	8.39E-03	1.21E+00

NUMBER 16 NAME=Jane Dough-north cen X= 0.4KM, Y= -1.1KM, Z= -15.0M, DIST= 1.2KM, IRTYPE= 1

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

AGE	PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INFANT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CHILD	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TEENAGE	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ADULT	TOTALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	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	4.71E-03	4.57E-03	5.38E-03	4.88E-03	4.01E+00
CHILD	TOTALS	2.45E-01	4.90E-03	4.63E-03	4.99E-03	4.76E-03	4.01E+00
TEENAGE	TOTALS	2.45E-01	5.22E-03	4.67E-03	4.82E-03	4.72E-03	4.01E+00
ADULT	TOTALS	2.45E-01	5.27E-03	4.72E-03	4.85E-03	4.75E-03	4.01E+00

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DURATION IN YRS IS... 1.5

NUMBER 17 NAME=Jane Dough-east cent X= 2.2KM, Y= -3.2KM, Z= 35.0M, DIST= 3.9KM, 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	5.71E-01	2.36E-02	2.27E-02	2.82E-02	2.47E-02	9.16E+00
CHILD	TOTALS	5.71E-01	2.44E-02	2.29E-02	2.54E-02	2.38E-02	9.16E+00
TEENAGE	TOTALS	5.71E-01	2.63E-02	2.31E-02	2.41E-02	2.35E-02	9.16E+00
ADULT	TOTALS	5.71E-01	2.62E-02	2.33E-02	2.42E-02	2.36E-02	9.16E+00

NUMBER 18 NAME=Jane Dough-south cen X= 0.4KM, Y= -5.6KM, Z= 18.0M, DIST= 5.6KM, 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	2.74E-01	9.25E-03	8.77E-03	1.14E-02	9.78E-03	4.43E+00
CHILD	TOTALS	2.74E-01	9.65E-03	8.91E-03	1.01E-02	9.35E-03	4.43E+00
TEENAGE	TOTALS	2.74E-01	1.06E-02	8.99E-03	9.50E-03	9.18E-03	4.43E+00
ADULT	TOTALS	2.74E-01	1.05E-02	9.10E-03	9.52E-03	9.23E-03	4.43E+00

: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
: Uranerz - Nichols Ranch DATA: uranerz4.MIL
TIME STEP NUMBER10, 2023

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DURATION IN YRS IS... 1.5

NUMBER 19 NAME=Jane Dough-west cent X= -1.0KM, Y= -3.2KM, Z= 35.0M, 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	4.19E+00	6.66E-02	6.56E-02	7.14E-02	6.78E-02	6.89E+01
CHILD	TOTALS	4.19E+00	6.74E-02	6.58E-02	6.84E-02	6.68E-02	6.89E+01
TEENAGE	TOTALS	4.19E+00	6.94E-02	6.60E-02	6.71E-02	6.64E-02	6.89E+01
ADULT	TOTALS	4.19E+00	6.93E-02	6.63E-02	6.72E-02	6.65E-02	6.89E+01

Program execution time = 14.94 seconds

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