

Section 2.2 Attachments

OMETEOROLOGICAL DATA	2
INDIVIDUAL RECEPTORS & MISCELLANEOUS INPUT DATA	3
POPULATION DISTRIBUTION	4
SOURCE PARAMETERS	5
TIME STEP 1, 2011	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	6
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	7
TIME STEP 2, 2012	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	15
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	16
TIME STEP 3, 2013	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	24
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	25
TIME STEP 4, 2014	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	33
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	34
TIME STEP 5, 2015	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	42
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	43
TIME STEP 6, 2016	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	51
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	52
TIME STEP 7, 2017	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	60
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	61
TIME STEP 8, 2018	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	69
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	70
TIME STEP 9, 2019	
ANNUAL POPULATION DOSE COMMITMENTS, PERSON-REM PER YEAR	
POPULATION DOSE SUMMARY	78
INDIVIDUAL RECEPTOR ALC CHECK AND/OR ANNUAL DOSE COMMITMENTS	79

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

STABILITY CLASS 1																	
1.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0650	0.0000	0.0220	0.0870	0.0220	0.0000	0.0000	0.0000	0.0440	0.0000	0.0220
10.0	0.0000	0.0000	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0000	0.0000	0.0220	0.0000	0.0650	0.0000	0.0000	0.1310
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	0.0000	0.0000	0.0220	0.0000	0.0220	0.0650	0.0000	0.0440	0.0870	0.0220	0.0220	0.0000	0.0650	0.0440	0.0000	0.0220	0.4150

STABILITY CLASS 2																	
1.5	0.0000	0.0000	0.0220	0.0220	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0000	0.0000	0.0000	0.0000	0.0880
5.5	0.0000	0.0870	0.0220	0.0220	0.0000	0.0650	0.0440	0.0650	0.0000	0.0220	0.0440	0.0000	0.0440	0.0440	0.0000	0.0220	0.4810
10.0	0.0000	0.0000	0.0440	0.0000	0.0440	0.0000	0.0440	0.0000	0.0220	0.0000	0.0000	0.0440	0.1090	0.0650	0.0650	0.0000	0.4370
15.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0660
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	0.0000	0.0870	0.0880	0.0440	0.0880	0.0650	0.1100	0.0650	0.0220	0.0220	0.0440	0.0660	0.1530	0.1090	0.0870	0.0220	1.0720

STABILITY CLASS 3																	
1.5	0.0220	0.0220	0.0000	0.0440	0.0000	0.0000	0.0220	0.0220	0.0000	0.0220	0.0000	0.0440	0.0440	0.0220	0.0220	0.0000	0.2860
5.5	0.0220	0.0440	0.0000	0.0440	0.0440	0.0650	0.1520	0.0870	0.0650	0.0440	0.0220	0.0650	0.0440	0.0870	0.0440	0.0440	0.8730
10.0	0.0650	0.0650	0.0220	0.0870	0.0220	0.0000	0.0870	0.0440	0.0870	0.0220	0.0220	0.1090	0.1520	0.1310	0.1520	0.0440	1.1110
15.5	0.0000	0.0000	0.0220	0.0220	0.0220	0.0220	0.0000	0.0220	0.0000	0.0220	0.0000	0.0440	0.0440	0.0440	0.0000	0.0000	0.2640
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	0.1090	0.1310	0.0440	0.1970	0.0880	0.0870	0.2610	0.1750	0.1520	0.1100	0.0440	0.2620	0.2840	0.2840	0.2180	0.0880	2.5340

STABILITY CLASS 4																	
1.5	0.0870	0.0650	0.1310	0.1740	0.3270	0.5010	0.3270	0.1960	0.2830	0.1090	0.1310	0.1520	0.2830	0.4140	0.2180	0.0220	3.4200
5.5	0.1520	0.2180	0.2830	0.2180	0.2610	0.5660	0.9580	0.3270	0.3270	0.1960	0.2400	0.4790	0.6530	0.6320	0.2830	0.1960	5.9890
10.0	0.3050	0.4360	0.2400	0.2400	0.0870	0.3920	0.8060	0.5880	0.4360	0.4570	0.7840	0.7620	0.5880	0.7620	0.8490	0.6100	8.3420
15.5	0.9150	1.2200	0.4790	0.3480	0.5010	0.9800	1.4160	0.9580	0.6320	2.8530	3.7460	1.6330	1.0240	0.7190	1.0450	2.0250	20.4940
21.5	0.5880	0.3920	0.0650	0.0000	0.0870	0.4790	1.2630	0.1740	0.1740	2.3080	3.1140	0.8060	0.3480	0.2830	0.7190	1.9380	12.7380
28.0	0.5660	0.1310	0.0870	0.0000	0.0650	0.1520	0.4790	0.1520	0.0650	1.4590	3.0490	0.4360	0.0440	0.0220	0.4790	0.6100	7.7960
ALL	2.6130	2.4620	1.2850	0.9800	1.3280	3.0700	5.2490	2.3950	1.9170	7.3820	11.0640	4.2680	2.9400	2.8320	3.5930	5.4010	58.7790

STABILITY CLASS 5																	
1.5	0.0440	0.1090	0.1960	0.2400	0.5660	0.4360	0.4570	0.1960	0.1090	0.2180	0.2180	0.1520	0.4570	0.1520	0.1520	0.1090	3.8110
5.5	0.1960	0.1960	0.1310	0.3920	0.5440	1.5680	2.3080	0.5010	0.3920	0.3270	0.2180	0.3270	0.4790	0.6970	0.3920	0.3050	8.9730
10.0	0.3700	0.3270	0.2830	0.1740	0.3920	0.7620	2.0910	0.6320	0.4140	0.6750	0.7400	0.3480	0.6530	0.6750	0.7190	0.5660	9.8210
15.5	0.0220	0.0220	0.0000	0.0000	0.0220	0.0220	0.0000	0.0000	0.0000	0.1090	0.0650	0.0000	0.0220	0.0000	0.0440	0.0000	0.3280
21.5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0220	0.0220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0440
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	0.6320	0.6540	0.6100	0.8060	1.5240	2.7880	4.8560	1.3290	0.9150	1.3510	1.2630	0.8270	1.6110	1.5240	1.3070	0.9800	22.9770

STABILITY CLASS 6																	
1.5	0.1310	0.0870	0.2830	0.4140	0.4570	0.7840	0.6750	0.4570	0.2610	0.1740	0.3050	0.3480	0.5230	0.1520	0.1960	0.1310	5.3780
5.5	0.1310	0.0870	0.2180	0.2180	0.5230	1.5030	2.4610	0.8710	0.4140	0.2400	0.1960	0.2400	0.6100	0.4570	0.5660	0.1310	8.8660
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	0.2620	0.1740	0.5010	0.6320	0.9800	2.2870	3.1360	1.3280	0.6750	0.4140	0.5010	0.5880	1.1330	0.6090	0.7620	0.2620	14.2440

ALL	3.6160	3.5080	2.5500	2.6590	4.0300	8.3620	13.6120	5.3360	3.7680	9.3010	12.9380	6.0110	6.1860	5.4020	5.9670	6.7750	100.0210

1REGION: Uranerz - Nichols Ranch
 METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
 DATA: URANERZ3.MIL

PAGE 3
 12/12/09

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

MISCELLANEOUS INPUTABLE PARAMETER VALUES

DMM	DMA	TSTART	FFORI	FHAYI	FFORP	FHAYP	FPR(1)	FPR(2)	FPR(3)	ACTRAT
100.0	100.0	2011.00	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,

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

TIME STEP DATA...	STEP NAMES	LENGTH, YRS	IFTODO
1	2011	1.00	1
2	2012	1.00	1
3	2013	1.00	1
4	2014	1.00	1
5	2015	1.00	1
6	2016	1.00	1
7	2017	1.00	1
8	2018	1.00	1
9	2019	1.00	1

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

HDP EQUALS 50.0

POPULATION DISTRIBUTION

KILOMETERS	N 0.0	NNE 22.5	NE 45.0	ENE 67.5	E 90.0	ESE 112.5	SE 135.0	SSE 157.5	S 180.0	SSW 202.5	SW 225.0	WSW 247.5	W 270.0	WNW 292.5	NW 315.0	NNW 337.5
1.0- 2.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0- 3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0- 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0- 5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0-10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.0-20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0-30.0	0	0	0	0	0	0	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

1REGION: Uranerz - Nichols Ranch
 METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
 DATA: URANERZ3.MIL

PAGE 5
 12/12/09

NUMBER OF SOURCES= 7

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	0.00	0.00	0.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1001	1	0.00E+00	drying/packaging
2	-0.90	0.40	6.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-02	1002	1	0.00E+00	Nichols development
3	-0.90	0.40	6.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E+02	1003	1	0.00E+00	Nichols production
4	-0.90	0.40	6.00	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E+02	1004	1	0.00E+00	Nichols restoration
5	8.20	3.50	9.99	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-02	1005	1	0.00E+00	Hank development
6	8.20	3.50	9.99	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+02	1006	1	0.00E+00	Hank production
7	8.20	3.50	9.99	0.0000	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E+02	1007	1	0.00E+00	Hank restoration

INPUT TAILS ACTIVITIES, PCI/G					AMAD AND FRACTIONAL DISTRIBUTION				
SET	URANIUM	THORIUM	RADIUM	LEAD	SET	1.5	3.0	7.7	54.0
1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1	0.000	1.000	0.000	0.000
2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2	1.000	0.000	0.000	0.000
3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3	0.000	0.000	0.300	0.700

SOURCE NUMBER	PARTICULATE SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 9 TIME STEP(S) USED FOR THIS RUN									
	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 5.00YRS
1	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
2	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
3	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
4	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
5	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
6	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00
7	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00

SOURCE NUMBER	RADON SOURCE STRENGTH MULTIPLIERS BY TIME STEP, 9 TIME STEP(S) USED FOR THIS RUN									
	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 5.00YRS
1	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00
2	0.000E+00	5.000E-01	2.500E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00
3	1.000E+00	1.000E+00	7.500E-01	5.000E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00
4	0.000E+00	0.000E+00	7.500E-01	1.000E+00	1.000E+00	1.000E+00	2.500E-01	0.000E+00	0.000E+00	1.000E+00
5	2.500E-01	0.000E+00	7.500E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00
6	7.500E-01	1.000E+00	1.000E+00	1.000E+00	7.500E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.000E+00
7	0.000E+00	0.000E+00	2.500E-01	1.000E+00	1.000E+00	1.000E+00	1.000E+00	1.000E+00	7.500E-01	1.000E+00

TIME STEP NUMBER 1, 2011

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.	5.696E-03	4.611E-02	7.533E-04	3.458E-02	1.663E-02	2.692E+00
GROUND	3.184E-04	3.184E-04	3.184E-04	3.184E-04	3.184E-04	3.184E-04
CLOUD	2.249E-02	2.249E-02	2.249E-02	2.249E-02	2.249E-02	2.249E-02
VEG. ING	3.871E-02	4.473E-01	3.871E-02	1.329E-01	1.083E-01	3.871E-02
MEAT ING	2.037E-03	2.354E-02	2.037E-03	6.998E-03	5.700E-03	2.037E-03
MILK ING	4.136E-04	4.779E-03	4.136E-04	1.420E-03	1.157E-03	4.136E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	6.966E-02	5.445E-01	6.472E-02	1.988E-01	1.546E-01	2.756E+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	3.634E-01	4.199E+00	3.634E-01	1.248E+00	1.017E+00	3.634E-01
MEAT ING	4.263E-03	4.926E-02	4.263E-03	1.464E-02	1.192E-02	4.263E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	3.889E+00	5.303E+01	8.838E-01	3.889E+00	3.889E+00	2.475E+01
TOTALS	4.256E+00	5.727E+01	1.251E+00	5.151E+00	4.917E+00	2.511E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	5.696E-03	4.611E-02	7.533E-04	3.458E-02	1.663E-02	2.692E+00
GROUND	3.184E-04	3.184E-04	3.184E-04	3.184E-04	3.184E-04	3.184E-04
CLOUD	2.249E-02	2.249E-02	2.249E-02	2.249E-02	2.249E-02	2.249E-02
VEG. ING	4.021E-01	4.647E+00	4.021E-01	1.381E+00	1.125E+00	4.021E-01
MEAT ING	6.300E-03	7.280E-02	6.300E-03	2.164E-02	1.762E-02	6.300E-03
MILK ING	4.136E-04	4.779E-03	4.136E-04	1.420E-03	1.157E-03	4.136E-04
RNPLUS50	3.889E+00	5.303E+01	8.838E-01	3.889E+00	3.889E+00	2.475E+01
TOTALS	4.326E+00	5.782E+01	1.316E+00	5.350E+00	5.072E+00	2.787E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 1, 2011

PAGE 7
12/12/09
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	9.47E-02	9.15E-03	7.72E-03	1.58E-02	1.08E-02	1.45E+00
CHILD	TOTALS	9.46E-02	1.02E-02	8.05E-03	1.16E-02	9.41E-03	1.45E+00
TEENAGE	TOTALS	9.46E-02	1.28E-02	8.28E-03	9.81E-03	8.88E-03	1.45E+00
ADULT	TOTALS	9.47E-02	1.26E-02	8.57E-03	9.85E-03	8.99E-03	1.45E+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	4.88E-02	4.23E-03	3.32E-03	8.47E-03	5.27E-03	7.57E-01
CHILD	TOTALS	4.87E-02	4.88E-03	3.53E-03	5.82E-03	4.40E-03	7.57E-01
TEENAGE	TOTALS	4.87E-02	6.59E-03	3.68E-03	4.66E-03	4.06E-03	7.57E-01
ADULT	TOTALS	4.87E-02	6.45E-03	3.87E-03	4.68E-03	4.13E-03	7.57E-01

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 8
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
TIME STEP NUMBER 1, 2011 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	1.53E-01	1.67E-02	1.35E-02	3.13E-02	2.03E-02	2.33E+00
CHILD	TOTALS	1.53E-01	1.89E-02	1.43E-02	2.22E-02	1.73E-02	2.33E+00
TEENAGE	TOTALS	1.53E-01	2.48E-02	1.48E-02	1.82E-02	1.61E-02	2.33E+00
ADULT	TOTALS	1.53E-01	2.43E-02	1.54E-02	1.83E-02	1.64E-02	2.33E+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	1.37E-01	1.18E-02	1.01E-02	1.99E-02	1.38E-02	2.12E+00
CHILD	TOTALS	1.37E-01	1.31E-02	1.05E-02	1.49E-02	1.21E-02	2.12E+00
TEENAGE	TOTALS	1.37E-01	1.63E-02	1.08E-02	1.26E-02	1.15E-02	2.12E+00
ADULT	TOTALS	1.37E-01	1.60E-02	1.11E-02	1.27E-02	1.16E-02	2.12E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 9
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
TIME STEP NUMBER 1, 2011 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	2.86E-01	2.14E-02	1.90E-02	3.28E-02	2.42E-02	4.45E+00
CHILD	TOTALS	2.85E-01	2.32E-02	1.95E-02	2.57E-02	2.19E-02	4.45E+00
TEENAGE	TOTALS	2.85E-01	2.78E-02	1.99E-02	2.26E-02	2.10E-02	4.45E+00
ADULT	TOTALS	2.86E-01	2.74E-02	2.04E-02	2.26E-02	2.12E-02	4.45E+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	7.76E-02	1.05E-02	7.80E-03	2.28E-02	1.35E-02	1.16E+00
CHILD	TOTALS	7.74E-02	1.24E-02	8.42E-03	1.51E-02	1.09E-02	1.16E+00
TEENAGE	TOTALS	7.75E-02	1.73E-02	8.85E-03	1.17E-02	9.96E-03	1.16E+00
ADULT	TOTALS	7.76E-02	1.69E-02	9.39E-03	1.18E-02	1.02E-02	1.16E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL

PAGE 10
12/12/09

TIME STEP NUMBER 1, 2011

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	6.23E-02	1.06E-02	7.07E-03	2.68E-02	1.45E-02	9.13E-01
CHILD	TOTALS	6.20E-02	1.31E-02	7.89E-03	1.67E-02	1.12E-02	9.13E-01
TEENAGE	TOTALS	6.22E-02	1.96E-02	8.46E-03	1.22E-02	9.91E-03	9.13E-01
ADULT	TOTALS	6.23E-02	1.90E-02	9.17E-03	1.23E-02	1.02E-02	9.13E-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	8.46E-01	1.68E-02	1.50E-02	2.50E-02	1.88E-02	1.39E+01
CHILD	TOTALS	8.45E-01	1.80E-02	1.54E-02	1.98E-02	1.71E-02	1.39E+01
TEENAGE	TOTALS	8.46E-01	2.13E-02	1.57E-02	1.76E-02	1.64E-02	1.39E+01
ADULT	TOTALS	8.46E-01	2.10E-02	1.61E-02	1.77E-02	1.66E-02	1.39E+01

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 11
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 1, 2011 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	5.95E-01	2.19E-02	2.02E-02	3.00E-02	2.39E-02	9.60E+00
CHILD	TOTALS	5.95E-01	2.32E-02	2.06E-02	2.50E-02	2.23E-02	9.60E+00
TEENAGE	TOTALS	5.95E-01	2.64E-02	2.09E-02	2.28E-02	2.16E-02	9.60E+00
ADULT	TOTALS	5.95E-01	2.62E-02	2.12E-02	2.28E-02	2.17E-02	9.60E+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	1.91E-01	7.14E-03	5.91E-03	1.28E-02	8.53E-03	3.09E+00
CHILD	TOTALS	1.91E-01	8.02E-03	6.20E-03	9.28E-03	7.36E-03	3.09E+00
TEENAGE	TOTALS	1.91E-01	1.03E-02	6.40E-03	7.72E-03	6.91E-03	3.09E+00
ADULT	TOTALS	1.91E-01	1.01E-02	6.65E-03	7.75E-03	7.01E-03	3.09E+00

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	5.36E+00	3.94E-02	3.77E-02	4.72E-02	4.13E-02	8.88E+01
CHILD	TOTALS	5.36E+00	4.06E-02	3.81E-02	4.23E-02	3.97E-02	8.88E+01
TEENAGE	TOTALS	5.36E+00	4.37E-02	3.84E-02	4.02E-02	3.91E-02	8.88E+01
ADULT	TOTALS	5.36E+00	4.35E-02	3.87E-02	4.02E-02	3.92E-02	8.88E+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	1.79E-01	1.31E-02	1.15E-02	2.08E-02	1.50E-02	2.80E+00
CHILD	TOTALS	1.79E-01	1.43E-02	1.19E-02	1.60E-02	1.34E-02	2.80E+00
TEENAGE	TOTALS	1.79E-01	1.74E-02	1.21E-02	1.39E-02	1.28E-02	2.80E+00
ADULT	TOTALS	1.79E-01	1.71E-02	1.25E-02	1.40E-02	1.30E-02	2.80E+00

IREGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL

PAGE 13
12/12/09
DURATION IN YRS IS... 1.0

TIME STEP NUMBER 1, 2011

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	2.32E+00	2.15E-02	2.02E-02	2.77E-02	2.30E-02	3.83E+01
CHILD	TOTALS	2.32E+00	2.25E-02	2.05E-02	2.38E-02	2.17E-02	3.83E+01
TEENAGE	TOTALS	2.32E+00	2.49E-02	2.07E-02	2.21E-02	2.12E-02	3.83E+01
ADULT	TOTALS	2.32E+00	2.47E-02	2.10E-02	2.22E-02	2.14E-02	3.83E+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	1.67E-01	1.12E-02	9.40E-03	1.95E-02	1.32E-02	2.63E+00
CHILD	TOTALS	1.67E-01	1.25E-02	9.82E-03	1.43E-02	1.15E-02	2.63E+00
TEENAGE	TOTALS	1.67E-01	1.58E-02	1.01E-02	1.20E-02	1.09E-02	2.63E+00
ADULT	TOTALS	1.67E-01	1.55E-02	1.05E-02	1.21E-02	1.10E-02	2.63E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL

PAGE 14
12/12/09

TIME STEP NUMBER 1, 2011

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	1.63E+00	3.73E-02	3.56E-02	4.50E-02	3.91E-02	2.66E+01
CHILD	TOTALS	1.63E+00	3.84E-02	3.60E-02	4.01E-02	3.76E-02	2.66E+01
TEENAGE	TOTALS	1.63E+00	4.15E-02	3.62E-02	3.80E-02	3.69E-02	2.66E+01
ADULT	TOTALS	1.63E+00	4.13E-02	3.66E-02	3.81E-02	3.71E-02	2.66E+01

TIME STEP NUMBER 2, 2012

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.	6.689E-03	5.416E-02	8.837E-04	4.062E-02	1.953E-02	3.195E+00
GROUND	3.907E-04	3.907E-04	3.907E-04	3.907E-04	3.907E-04	3.907E-04
CLOUD	2.666E-02	2.666E-02	2.666E-02	2.666E-02	2.666E-02	2.666E-02
VEG. ING	4.568E-02	5.278E-01	4.568E-02	1.569E-01	1.278E-01	4.568E-02
MEAT ING	2.427E-03	2.805E-02	2.427E-03	8.336E-03	6.790E-03	2.427E-03
MILK ING	4.927E-04	5.693E-03	4.927E-04	1.692E-03	1.378E-03	4.927E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	8.234E-02	6.428E-01	7.654E-02	2.346E-01	1.825E-01	3.271E+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	4.289E-01	4.956E+00	4.289E-01	1.473E+00	1.200E+00	4.289E-01
MEAT ING	5.078E-03	5.867E-02	5.078E-03	1.744E-02	1.420E-02	5.078E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	3.810E+00	5.195E+01	8.658E-01	3.810E+00	3.810E+00	2.424E+01
TOTALS	4.244E+00	5.697E+01	1.300E+00	5.300E+00	5.024E+00	2.468E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.689E-03	5.416E-02	8.837E-04	4.062E-02	1.953E-02	3.195E+00
GROUND	3.907E-04	3.907E-04	3.907E-04	3.907E-04	3.907E-04	3.907E-04
CLOUD	2.666E-02	2.666E-02	2.666E-02	2.666E-02	2.666E-02	2.666E-02
VEG. ING	4.746E-01	5.484E+00	4.746E-01	1.630E+00	1.328E+00	4.746E-01
MEAT ING	7.505E-03	8.672E-02	7.505E-03	2.577E-02	2.099E-02	7.505E-03
MILK ING	4.927E-04	5.693E-03	4.927E-04	1.692E-03	1.378E-03	4.927E-04
RNPLUS50	3.810E+00	5.195E+01	8.658E-01	3.810E+00	3.810E+00	2.424E+01
TOTALS	4.326E+00	5.761E+01	1.376E+00	5.535E+00	5.206E+00	2.795E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 2, 2012

PAGE 16
12/12/09
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	1.05E-01	1.04E-02	8.72E-03	1.82E-02	1.23E-02	1.60E+00
CHILD	TOTALS	1.05E-01	1.16E-02	9.12E-03	1.33E-02	1.07E-02	1.60E+00
TEENAGE	TOTALS	1.05E-01	1.47E-02	9.39E-03	1.12E-02	1.01E-02	1.60E+00
ADULT	TOTALS	1.05E-01	1.45E-02	9.73E-03	1.12E-02	1.02E-02	1.60E+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	5.39E-02	5.12E-03	3.93E-03	1.07E-02	6.47E-03	8.32E-01
CHILD	TOTALS	5.38E-02	5.98E-03	4.21E-03	7.20E-03	5.34E-03	8.32E-01
TEENAGE	TOTALS	5.39E-02	8.21E-03	4.40E-03	5.68E-03	4.90E-03	8.32E-01
ADULT	TOTALS	5.39E-02	8.02E-03	4.65E-03	5.71E-03	4.99E-03	8.32E-01

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	1.92E-01	2.11E-02	1.72E-02	3.96E-02	2.56E-02	2.92E+00
CHILD	TOTALS	1.92E-01	2.40E-02	1.81E-02	2.81E-02	2.19E-02	2.92E+00
TEENAGE	TOTALS	1.92E-01	3.14E-02	1.87E-02	2.30E-02	2.04E-02	2.92E+00
ADULT	TOTALS	1.92E-01	3.08E-02	1.96E-02	2.31E-02	2.07E-02	2.92E+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	1.73E-01	1.46E-02	1.26E-02	2.39E-02	1.68E-02	2.67E+00
CHILD	TOTALS	1.72E-01	1.60E-02	1.31E-02	1.81E-02	1.50E-02	2.67E+00
TEENAGE	TOTALS	1.73E-01	1.98E-02	1.34E-02	1.55E-02	1.42E-02	2.67E+00
ADULT	TOTALS	1.73E-01	1.95E-02	1.38E-02	1.56E-02	1.44E-02	2.67E+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	3.72E-01	2.71E-02	2.43E-02	4.03E-02	3.03E-02	5.80E+00
CHILD	TOTALS	3.71E-01	2.92E-02	2.50E-02	3.21E-02	2.77E-02	5.80E+00
TEENAGE	TOTALS	3.71E-01	3.45E-02	2.54E-02	2.85E-02	2.66E-02	5.80E+00
ADULT	TOTALS	3.71E-01	3.40E-02	2.60E-02	2.85E-02	2.68E-02	5.80E+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	9.75E-02	1.28E-02	9.70E-03	2.74E-02	1.64E-02	1.46E+00
CHILD	TOTALS	9.72E-02	1.51E-02	1.04E-02	1.83E-02	1.34E-02	1.46E+00
TEENAGE	TOTALS	9.74E-02	2.09E-02	1.10E-02	1.43E-02	1.23E-02	1.46E+00
ADULT	TOTALS	9.75E-02	2.05E-02	1.16E-02	1.44E-02	1.25E-02	1.46E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 2, 2012

PAGE 19
12/12/09

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	7.71E-02	1.28E-02	8.70E-03	3.20E-02	1.75E-02	1.13E+00
CHILD	TOTALS	7.67E-02	1.58E-02	9.68E-03	2.00E-02	1.36E-02	1.13E+00
TEENAGE	TOTALS	7.70E-02	2.35E-02	1.04E-02	1.48E-02	1.21E-02	1.13E+00
ADULT	TOTALS	7.71E-02	2.29E-02	1.12E-02	1.49E-02	1.24E-02	1.13E+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	8.60E-01	1.90E-02	1.67E-02	2.96E-02	2.16E-02	1.41E+01
CHILD	TOTALS	8.60E-01	2.06E-02	1.72E-02	2.30E-02	1.94E-02	1.41E+01
TEENAGE	TOTALS	8.60E-01	2.49E-02	1.76E-02	2.01E-02	1.85E-02	1.41E+01
ADULT	TOTALS	8.60E-01	2.46E-02	1.81E-02	2.01E-02	1.87E-02	1.41E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 2, 2012

PAGE 20
12/12/09
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	6.08E-01	2.38E-02	2.16E-02	3.39E-02	2.63E-02	9.78E+00
CHILD	TOTALS	6.08E-01	2.54E-02	2.21E-02	2.76E-02	2.42E-02	9.78E+00
TEENAGE	TOTALS	6.08E-01	2.94E-02	2.25E-02	2.48E-02	2.34E-02	9.78E+00
ADULT	TOTALS	6.08E-01	2.91E-02	2.29E-02	2.49E-02	2.36E-02	9.78E+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	2.00E-01	8.58E-03	6.96E-03	1.61E-02	1.04E-02	3.22E+00
CHILD	TOTALS	2.00E-01	9.73E-03	7.34E-03	1.14E-02	8.87E-03	3.22E+00
TEENAGE	TOTALS	2.00E-01	1.28E-02	7.60E-03	9.34E-03	8.27E-03	3.22E+00
ADULT	TOTALS	2.00E-01	1.25E-02	7.93E-03	9.38E-03	8.41E-03	3.22E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 2, 2012

PAGE 21
12/12/09

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	5.38E+00	4.13E-02	3.91E-02	5.14E-02	4.37E-02	8.90E+01
CHILD	TOTALS	5.38E+00	4.28E-02	3.96E-02	4.51E-02	4.17E-02	8.90E+01
TEENAGE	TOTALS	5.38E+00	4.69E-02	3.99E-02	4.23E-02	4.09E-02	8.90E+01
ADULT	TOTALS	5.38E+00	4.66E-02	4.04E-02	4.24E-02	4.10E-02	8.90E+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	2.29E-01	1.63E-02	1.44E-02	2.50E-02	1.84E-02	3.58E+00
CHILD	TOTALS	2.28E-01	1.76E-02	1.48E-02	1.95E-02	1.66E-02	3.58E+00
TEENAGE	TOTALS	2.29E-01	2.11E-02	1.52E-02	1.72E-02	1.59E-02	3.58E+00
ADULT	TOTALS	2.29E-01	2.08E-02	1.55E-02	1.72E-02	1.61E-02	3.58E+00

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	3.08E+00	2.71E-02	2.57E-02	3.35E-02	2.86E-02	5.09E+01
CHILD	TOTALS	3.08E+00	2.81E-02	2.61E-02	2.95E-02	2.73E-02	5.09E+01
TEENAGE	TOTALS	3.08E+00	3.06E-02	2.63E-02	2.77E-02	2.68E-02	5.09E+01
ADULT	TOTALS	3.08E+00	3.04E-02	2.66E-02	2.78E-02	2.70E-02	5.09E+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	2.06E-01	1.27E-02	1.08E-02	2.13E-02	1.48E-02	3.26E+00
CHILD	TOTALS	2.06E-01	1.40E-02	1.13E-02	1.59E-02	1.30E-02	3.26E+00
TEENAGE	TOTALS	2.06E-01	1.75E-02	1.16E-02	1.36E-02	1.23E-02	3.26E+00
ADULT	TOTALS	2.06E-01	1.72E-02	1.19E-02	1.36E-02	1.25E-02	3.26E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 23
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 2, 2012 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	2.16E+00	4.82E-02	4.64E-02	5.70E-02	5.04E-02	3.53E+01
CHILD	TOTALS	2.16E+00	4.96E-02	4.68E-02	5.15E-02	4.86E-02	3.53E+01
TEENAGE	TOTALS	2.16E+00	5.31E-02	4.71E-02	4.91E-02	4.79E-02	3.53E+01
ADULT	TOTALS	2.16E+00	5.28E-02	4.75E-02	4.92E-02	4.80E-02	3.53E+01

TIME STEP NUMBER 3, 2013

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.	9.018E-03	7.301E-02	1.192E-03	5.476E-02	2.633E-02	4.272E+00
GROUND	5.328E-04	5.328E-04	5.328E-04	5.328E-04	5.328E-04	5.328E-04
CLOUD	3.569E-02	3.569E-02	3.569E-02	3.569E-02	3.569E-02	3.569E-02
VEG. ING	6.161E-02	7.120E-01	6.161E-02	2.116E-01	1.724E-01	6.161E-02
MEAT ING	3.291E-03	3.803E-02	3.291E-03	1.130E-02	9.208E-03	3.291E-03
MILK ING	6.681E-04	7.720E-03	6.681E-04	2.295E-03	1.869E-03	6.681E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.108E-01	8.670E-01	1.030E-01	3.162E-01	2.460E-01	4.373E+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	5.785E-01	6.685E+00	5.785E-01	1.987E+00	1.618E+00	5.785E-01
MEAT ING	6.886E-03	7.957E-02	6.886E-03	2.365E-02	1.926E-02	6.886E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	5.132E+00	6.998E+01	1.166E+00	5.132E+00	5.132E+00	3.266E+01
TOTALS	5.717E+00	7.675E+01	1.752E+00	7.143E+00	6.770E+00	3.324E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.018E-03	7.301E-02	1.192E-03	5.476E-02	2.633E-02	4.272E+00
GROUND	5.328E-04	5.328E-04	5.328E-04	5.328E-04	5.328E-04	5.328E-04
CLOUD	3.569E-02	3.569E-02	3.569E-02	3.569E-02	3.569E-02	3.569E-02
VEG. ING	6.401E-01	7.397E+00	6.401E-01	2.198E+00	1.791E+00	6.401E-01
MEAT ING	1.018E-02	1.176E-01	1.018E-02	3.495E-02	2.847E-02	1.018E-02
MILK ING	6.681E-04	7.720E-03	6.681E-04	2.295E-03	1.869E-03	6.681E-04
RNPLUS50	5.132E+00	6.998E+01	1.166E+00	5.132E+00	5.132E+00	3.266E+01
TOTALS	5.828E+00	7.761E+01	1.855E+00	7.459E+00	7.016E+00	3.762E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 3, 2013

PAGE 25
12/12/09

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	1.48E-01	1.44E-02	1.21E-02	2.49E-02	1.69E-02	2.27E+00
CHILD	TOTALS	1.48E-01	1.60E-02	1.27E-02	1.83E-02	1.48E-02	2.27E+00
TEENAGE	TOTALS	1.48E-01	2.02E-02	1.30E-02	1.55E-02	1.40E-02	2.27E+00
ADULT	TOTALS	1.48E-01	1.99E-02	1.35E-02	1.55E-02	1.42E-02	2.27E+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	7.62E-02	6.75E-03	5.26E-03	1.36E-02	8.42E-03	1.18E+00
CHILD	TOTALS	7.61E-02	7.82E-03	5.62E-03	9.33E-03	7.02E-03	1.18E+00
TEENAGE	TOTALS	7.62E-02	1.06E-02	5.86E-03	7.45E-03	6.47E-03	1.18E+00
ADULT	TOTALS	7.62E-02	1.04E-02	6.16E-03	7.49E-03	6.60E-03	1.18E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 26
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 3, 2013 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	2.46E-01	2.69E-02	2.18E-02	5.04E-02	3.26E-02	3.74E+00
CHILD	TOTALS	2.45E-01	3.06E-02	2.30E-02	3.57E-02	2.78E-02	3.74E+00
TEENAGE	TOTALS	2.46E-01	4.00E-02	2.38E-02	2.93E-02	2.59E-02	3.74E+00
ADULT	TOTALS	2.46E-01	3.93E-02	2.49E-02	2.94E-02	2.64E-02	3.74E+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	2.20E-01	1.89E-02	1.62E-02	3.17E-02	2.20E-02	3.41E+00
CHILD	TOTALS	2.20E-01	2.09E-02	1.68E-02	2.37E-02	1.94E-02	3.41E+00
TEENAGE	TOTALS	2.20E-01	2.61E-02	1.73E-02	2.02E-02	1.84E-02	3.41E+00
ADULT	TOTALS	2.20E-01	2.56E-02	1.78E-02	2.03E-02	1.86E-02	3.41E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL

PAGE 27
12/12/09
DURATION IN YRS IS... 1.0

TIME STEP NUMBER 3, 2013

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	4.63E-01	3.45E-02	3.06E-02	5.25E-02	3.89E-02	7.21E+00
CHILD	TOTALS	4.62E-01	3.73E-02	3.15E-02	4.13E-02	3.52E-02	7.21E+00
TEENAGE	TOTALS	4.62E-01	4.46E-02	3.22E-02	3.63E-02	3.38E-02	7.21E+00
ADULT	TOTALS	4.63E-01	4.40E-02	3.30E-02	3.64E-02	3.41E-02	7.21E+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	1.25E-01	1.67E-02	1.25E-02	3.63E-02	2.15E-02	1.87E+00
CHILD	TOTALS	1.24E-01	1.98E-02	1.35E-02	2.41E-02	1.75E-02	1.87E+00
TEENAGE	TOTALS	1.25E-01	2.77E-02	1.42E-02	1.87E-02	1.59E-02	1.87E+00
ADULT	TOTALS	1.25E-01	2.70E-02	1.51E-02	1.88E-02	1.63E-02	1.87E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 3, 2013

PAGE 28
12/12/09

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	9.98E-02	1.69E-02	1.13E-02	4.26E-02	2.31E-02	1.46E+00
CHILD	TOTALS	9.93E-02	2.09E-02	1.26E-02	2.65E-02	1.79E-02	1.46E+00
TEENAGE	TOTALS	9.96E-02	3.13E-02	1.35E-02	1.95E-02	1.58E-02	1.46E+00
ADULT	TOTALS	9.98E-02	3.04E-02	1.47E-02	1.96E-02	1.63E-02	1.46E+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	1.30E+00	2.64E-02	2.35E-02	3.96E-02	2.96E-02	2.13E+01
CHILD	TOTALS	1.30E+00	2.84E-02	2.42E-02	3.13E-02	2.69E-02	2.13E+01
TEENAGE	TOTALS	1.30E+00	3.38E-02	2.46E-02	2.77E-02	2.58E-02	2.13E+01
ADULT	TOTALS	1.30E+00	3.33E-02	2.52E-02	2.78E-02	2.61E-02	2.13E+01

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	9.16E-01	3.42E-02	3.14E-02	4.71E-02	3.73E-02	1.48E+01
CHILD	TOTALS	9.16E-01	3.62E-02	3.20E-02	3.90E-02	3.47E-02	1.48E+01
TEENAGE	TOTALS	9.16E-01	4.14E-02	3.25E-02	3.55E-02	3.36E-02	1.48E+01
ADULT	TOTALS	9.16E-01	4.10E-02	3.31E-02	3.56E-02	3.39E-02	1.48E+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	2.96E-01	1.14E-02	9.36E-03	2.06E-02	1.36E-02	4.77E+00
CHILD	TOTALS	2.95E-01	1.28E-02	9.84E-03	1.48E-02	1.17E-02	4.77E+00
TEENAGE	TOTALS	2.96E-01	1.65E-02	1.02E-02	1.23E-02	1.10E-02	4.77E+00
ADULT	TOTALS	2.96E-01	1.62E-02	1.06E-02	1.24E-02	1.12E-02	4.77E+00

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	8.23E+00	6.10E-02	5.82E-02	7.36E-02	6.40E-02	1.36E+02
CHILD	TOTALS	8.23E+00	6.29E-02	5.89E-02	6.57E-02	6.15E-02	1.36E+02
TEENAGE	TOTALS	8.23E+00	6.80E-02	5.93E-02	6.22E-02	6.04E-02	1.36E+02
ADULT	TOTALS	8.23E+00	6.76E-02	5.99E-02	6.23E-02	6.07E-02	1.36E+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	2.89E-01	2.11E-02	1.84E-02	3.31E-02	2.40E-02	4.52E+00
CHILD	TOTALS	2.89E-01	2.29E-02	1.91E-02	2.56E-02	2.15E-02	4.52E+00
TEENAGE	TOTALS	2.89E-01	2.78E-02	1.95E-02	2.23E-02	2.06E-02	4.52E+00
ADULT	TOTALS	2.89E-01	2.74E-02	2.00E-02	2.23E-02	2.08E-02	4.52E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 3, 2013

PAGE 31
12/12/09
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	3.77E+00	3.46E-02	3.25E-02	4.41E-02	3.69E-02	6.23E+01
CHILD	TOTALS	3.77E+00	3.61E-02	3.30E-02	3.82E-02	3.50E-02	6.23E+01
TEENAGE	TOTALS	3.77E+00	3.99E-02	3.33E-02	3.56E-02	3.42E-02	6.23E+01
ADULT	TOTALS	3.77E+00	3.96E-02	3.38E-02	3.56E-02	3.44E-02	6.23E+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	2.67E-01	1.76E-02	1.48E-02	3.05E-02	2.07E-02	4.21E+00
CHILD	TOTALS	2.67E-01	1.96E-02	1.55E-02	2.24E-02	1.81E-02	4.21E+00
TEENAGE	TOTALS	2.67E-01	2.48E-02	1.59E-02	1.89E-02	1.71E-02	4.21E+00
ADULT	TOTALS	2.67E-01	2.44E-02	1.65E-02	1.90E-02	1.73E-02	4.21E+00

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	2.65E+00	6.03E-02	5.77E-02	7.24E-02	6.32E-02	4.32E+01
CHILD	TOTALS	2.65E+00	6.22E-02	5.83E-02	6.48E-02	6.08E-02	4.32E+01
TEENAGE	TOTALS	2.65E+00	6.71E-02	5.87E-02	6.15E-02	5.98E-02	4.32E+01
ADULT	TOTALS	2.65E+00	6.67E-02	5.93E-02	6.16E-02	6.00E-02	4.32E+01

TIME STEP NUMBER 4, 2014

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.	1.169E-02	9.468E-02	1.544E-03	7.101E-02	3.415E-02	5.625E+00
GROUND	7.117E-04	7.117E-04	7.117E-04	7.117E-04	7.117E-04	7.117E-04
CLOUD	4.690E-02	4.690E-02	4.690E-02	4.690E-02	4.690E-02	4.690E-02
VEG. ING	8.021E-02	9.269E-01	8.021E-02	2.755E-01	2.244E-01	8.021E-02
MEAT ING	4.304E-03	4.973E-02	4.304E-03	1.478E-02	1.204E-02	4.304E-03
MILK ING	8.737E-04	1.010E-02	8.737E-04	3.001E-03	2.444E-03	8.737E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.447E-01	1.129E+00	1.346E-01	4.119E-01	3.206E-01	5.758E+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	7.531E-01	8.703E+00	7.531E-01	2.587E+00	2.107E+00	7.531E-01
MEAT ING	9.005E-03	1.040E-01	9.005E-03	3.093E-02	2.519E-02	9.005E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	6.665E+00	9.088E+01	1.515E+00	6.665E+00	6.665E+00	4.241E+01
TOTALS	7.427E+00	9.969E+01	2.277E+00	9.282E+00	8.797E+00	4.317E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG.LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	1.169E-02	9.468E-02	1.544E-03	7.101E-02	3.415E-02	5.625E+00
GROUND	7.117E-04	7.117E-04	7.117E-04	7.117E-04	7.117E-04	7.117E-04
CLOUD	4.690E-02	4.690E-02	4.690E-02	4.690E-02	4.690E-02	4.690E-02
VEG. ING	8.334E-01	9.630E+00	8.334E-01	2.862E+00	2.331E+00	8.334E-01
MEAT ING	1.331E-02	1.538E-01	1.331E-02	4.571E-02	3.723E-02	1.331E-02
MILK ING	8.737E-04	1.010E-02	8.737E-04	3.001E-03	2.444E-03	8.737E-04
RNPLUS50	6.665E+00	9.088E+01	1.515E+00	6.665E+00	6.665E+00	4.241E+01
TOTALS	7.572E+00	1.008E+02	2.411E+00	9.694E+00	9.118E+00	4.893E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 4, 2014

PAGE 34
12/12/09
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	1.76E-01	1.78E-02	1.48E-02	3.13E-02	2.11E-02	2.68E+00
CHILD	TOTALS	1.76E-01	1.99E-02	1.55E-02	2.29E-02	1.83E-02	2.68E+00
TEENAGE	TOTALS	1.76E-01	2.54E-02	1.60E-02	1.92E-02	1.72E-02	2.68E+00
ADULT	TOTALS	1.76E-01	2.49E-02	1.66E-02	1.92E-02	1.75E-02	2.68E+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	9.04E-02	9.12E-03	6.90E-03	1.95E-02	1.16E-02	1.39E+00
CHILD	TOTALS	9.02E-02	1.07E-02	7.43E-03	1.30E-02	9.54E-03	1.39E+00
TEENAGE	TOTALS	9.03E-02	1.49E-02	7.79E-03	1.02E-02	8.71E-03	1.39E+00
ADULT	TOTALS	9.03E-02	1.46E-02	8.25E-03	1.02E-02	8.90E-03	1.39E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL

PAGE 35
12/12/09

TIME STEP NUMBER 4, 2014

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	3.51E-01	3.88E-02	3.15E-02	7.25E-02	4.70E-02	5.32E+00
CHILD	TOTALS	3.50E-01	4.40E-02	3.32E-02	5.14E-02	4.01E-02	5.32E+00
TEENAGE	TOTALS	3.50E-01	5.76E-02	3.44E-02	4.22E-02	3.74E-02	5.32E+00
ADULT	TOTALS	3.51E-01	5.66E-02	3.59E-02	4.24E-02	3.80E-02	5.32E+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	3.16E-01	2.63E-02	2.29E-02	4.23E-02	3.02E-02	4.89E+00
CHILD	TOTALS	3.15E-01	2.88E-02	2.37E-02	3.23E-02	2.70E-02	4.89E+00
TEENAGE	TOTALS	3.15E-01	3.53E-02	2.43E-02	2.80E-02	2.57E-02	4.89E+00
ADULT	TOTALS	3.16E-01	3.48E-02	2.50E-02	2.81E-02	2.60E-02	4.89E+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	6.92E-01	4.97E-02	4.48E-02	7.25E-02	5.53E-02	1.08E+01
CHILD	TOTALS	6.91E-01	5.33E-02	4.60E-02	5.83E-02	5.07E-02	1.08E+01
TEENAGE	TOTALS	6.92E-01	6.25E-02	4.68E-02	5.21E-02	4.88E-02	1.08E+01
ADULT	TOTALS	6.92E-01	6.18E-02	4.78E-02	5.22E-02	4.92E-02	1.08E+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	1.78E-01	2.31E-02	1.76E-02	4.85E-02	2.93E-02	2.66E+00
CHILD	TOTALS	1.77E-01	2.71E-02	1.89E-02	3.26E-02	2.41E-02	2.66E+00
TEENAGE	TOTALS	1.78E-01	3.73E-02	1.98E-02	2.57E-02	2.21E-02	2.66E+00
ADULT	TOTALS	1.78E-01	3.65E-02	2.09E-02	2.58E-02	2.25E-02	2.66E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 4, 2014

PAGE 37
12/12/09
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	1.39E-01	2.29E-02	1.57E-02	5.66E-02	3.11E-02	2.05E+00
CHILD	TOTALS	1.39E-01	2.82E-02	1.74E-02	3.56E-02	2.43E-02	2.05E+00
TEENAGE	TOTALS	1.39E-01	4.18E-02	1.86E-02	2.64E-02	2.16E-02	2.05E+00
ADULT	TOTALS	1.39E-01	4.07E-02	2.01E-02	2.66E-02	2.22E-02	2.05E+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	1.35E+00	3.23E-02	2.80E-02	5.22E-02	3.71E-02	2.20E+01
CHILD	TOTALS	1.35E+00	3.54E-02	2.90E-02	3.98E-02	3.31E-02	2.20E+01
TEENAGE	TOTALS	1.35E+00	4.34E-02	2.97E-02	3.43E-02	3.15E-02	2.20E+01
ADULT	TOTALS	1.35E+00	4.28E-02	3.06E-02	3.44E-02	3.18E-02	2.20E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 4, 2014

PAGE 38
12/12/09
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	9.55E-01	3.93E-02	3.53E-02	5.77E-02	4.38E-02	1.54E+01
CHILD	TOTALS	9.55E-01	4.22E-02	3.63E-02	4.62E-02	4.00E-02	1.54E+01
TEENAGE	TOTALS	9.55E-01	4.96E-02	3.69E-02	4.12E-02	3.85E-02	1.54E+01
ADULT	TOTALS	9.55E-01	4.90E-02	3.77E-02	4.13E-02	3.89E-02	1.54E+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	3.22E-01	1.52E-02	1.22E-02	2.92E-02	1.86E-02	5.16E+00
CHILD	TOTALS	3.22E-01	1.74E-02	1.29E-02	2.05E-02	1.58E-02	5.16E+00
TEENAGE	TOTALS	3.22E-01	2.31E-02	1.34E-02	1.66E-02	1.47E-02	5.16E+00
ADULT	TOTALS	3.22E-01	2.26E-02	1.40E-02	1.67E-02	1.49E-02	5.16E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 4, 2014

PAGE 39
12/12/09
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	8.32E+00	6.62E-02	6.21E-02	8.52E-02	7.08E-02	1.38E+02
CHILD	TOTALS	8.31E+00	6.92E-02	6.31E-02	7.34E-02	6.70E-02	1.38E+02
TEENAGE	TOTALS	8.32E+00	7.69E-02	6.38E-02	6.82E-02	6.55E-02	1.38E+02
ADULT	TOTALS	8.32E+00	7.62E-02	6.46E-02	6.83E-02	6.58E-02	1.38E+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	4.21E-01	2.95E-02	2.63E-02	4.43E-02	3.31E-02	6.59E+00
CHILD	TOTALS	4.21E-01	3.18E-02	2.70E-02	3.50E-02	3.00E-02	6.59E+00
TEENAGE	TOTALS	4.21E-01	3.77E-02	2.75E-02	3.10E-02	2.89E-02	6.59E+00
ADULT	TOTALS	4.21E-01	3.73E-02	2.82E-02	3.11E-02	2.91E-02	6.59E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 4, 2014

PAGE 40
12/12/09

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	5.80E+00	4.95E-02	4.74E-02	5.96E-02	5.20E-02	9.59E+01
CHILD	TOTALS	5.80E+00	5.11E-02	4.79E-02	5.33E-02	4.99E-02	9.59E+01
TEENAGE	TOTALS	5.80E+00	5.52E-02	4.82E-02	5.06E-02	4.91E-02	9.59E+01
ADULT	TOTALS	5.80E+00	5.49E-02	4.87E-02	5.06E-02	4.93E-02	9.59E+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	3.72E-01	2.16E-02	1.86E-02	3.53E-02	2.49E-02	5.89E+00
CHILD	TOTALS	3.72E-01	2.38E-02	1.93E-02	2.68E-02	2.22E-02	5.89E+00
TEENAGE	TOTALS	3.72E-01	2.93E-02	1.98E-02	2.30E-02	2.11E-02	5.89E+00
ADULT	TOTALS	3.72E-01	2.89E-02	2.04E-02	2.31E-02	2.13E-02	5.89E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 4, 2014

PAGE 41
12/12/09

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	4.06E+00	8.96E-02	8.64E-02	1.04E-01	9.32E-02	6.64E+01
CHILD	TOTALS	4.06E+00	9.19E-02	8.72E-02	9.52E-02	9.02E-02	6.64E+01
TEENAGE	TOTALS	4.06E+00	9.79E-02	8.77E-02	9.11E-02	8.90E-02	6.64E+01
ADULT	TOTALS	4.06E+00	9.75E-02	8.84E-02	9.12E-02	8.93E-02	6.64E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL

PAGE 42
12/12/09

TIME STEP NUMBER 5, 2015

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.	9.343E-03	7.564E-02	1.232E-03	5.673E-02	2.728E-02	4.531E+00
GROUND	6.066E-04	6.066E-04	6.066E-04	6.066E-04	6.066E-04	6.066E-04
CLOUD	3.774E-02	3.774E-02	3.774E-02	3.774E-02	3.774E-02	3.774E-02
VEG. ING	6.455E-02	7.459E-01	6.455E-02	2.217E-01	1.806E-01	6.455E-02
MEAT ING	3.522E-03	4.070E-02	3.522E-03	1.210E-02	9.853E-03	3.522E-03
MILK ING	7.149E-04	8.261E-03	7.149E-04	2.455E-03	2.000E-03	7.149E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	1.165E-01	9.088E-01	1.084E-01	3.313E-01	2.581E-01	4.638E+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	6.060E-01	7.003E+00	6.060E-01	2.081E+00	1.695E+00	6.060E-01
MEAT ING	7.369E-03	8.515E-02	7.369E-03	2.531E-02	2.061E-02	7.369E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	5.329E+00	7.267E+01	1.211E+00	5.329E+00	5.329E+00	3.391E+01
TOTALS	5.943E+00	7.976E+01	1.825E+00	7.436E+00	7.045E+00	3.453E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	9.343E-03	7.564E-02	1.232E-03	5.673E-02	2.728E-02	4.531E+00
GROUND	6.066E-04	6.066E-04	6.066E-04	6.066E-04	6.066E-04	6.066E-04
CLOUD	3.774E-02	3.774E-02	3.774E-02	3.774E-02	3.774E-02	3.774E-02
VEG. ING	6.706E-01	7.749E+00	6.706E-01	2.303E+00	1.876E+00	6.706E-01
MEAT ING	1.089E-02	1.258E-01	1.089E-02	3.740E-02	3.047E-02	1.089E-02
MILK ING	7.149E-04	8.261E-03	7.149E-04	2.455E-03	2.000E-03	7.149E-04
RNPLUS50	5.329E+00	7.267E+01	1.211E+00	5.329E+00	5.329E+00	3.391E+01
TOTALS	6.059E+00	8.067E+01	1.933E+00	7.767E+00	7.303E+00	3.916E+01

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	1.34E-01	1.38E-02	1.15E-02	2.47E-02	1.65E-02	2.04E+00
CHILD	TOTALS	1.33E-01	1.55E-02	1.21E-02	1.79E-02	1.43E-02	2.04E+00
TEENAGE	TOTALS	1.33E-01	1.99E-02	1.24E-02	1.49E-02	1.34E-02	2.04E+00
ADULT	TOTALS	1.34E-01	1.96E-02	1.29E-02	1.50E-02	1.36E-02	2.04E+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	6.86E-02	7.45E-03	5.54E-03	1.63E-02	9.60E-03	1.05E+00
CHILD	TOTALS	6.84E-02	8.85E-03	6.00E-03	1.08E-02	7.81E-03	1.05E+00
TEENAGE	TOTALS	6.85E-02	1.24E-02	6.32E-03	8.36E-03	7.11E-03	1.05E+00
ADULT	TOTALS	6.86E-02	1.22E-02	6.71E-03	8.42E-03	7.27E-03	1.05E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 5, 2015

PAGE 44
12/12/09
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	2.94E-01	3.26E-02	2.65E-02	6.10E-02	3.95E-02	4.45E+00
CHILD	TOTALS	2.93E-01	3.71E-02	2.80E-02	4.33E-02	3.38E-02	4.45E+00
TEENAGE	TOTALS	2.94E-01	4.86E-02	2.90E-02	3.56E-02	3.15E-02	4.45E+00
ADULT	TOTALS	2.94E-01	4.77E-02	3.03E-02	3.57E-02	3.20E-02	4.45E+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	2.65E-01	2.18E-02	1.91E-02	3.43E-02	2.48E-02	4.10E+00
CHILD	TOTALS	2.65E-01	2.38E-02	1.97E-02	2.65E-02	2.23E-02	4.10E+00
TEENAGE	TOTALS	2.65E-01	2.89E-02	2.02E-02	2.31E-02	2.13E-02	4.10E+00
ADULT	TOTALS	2.65E-01	2.85E-02	2.08E-02	2.32E-02	2.15E-02	4.10E+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	5.92E-01	4.19E-02	3.80E-02	5.98E-02	4.62E-02	9.26E+00
CHILD	TOTALS	5.92E-01	4.47E-02	3.90E-02	4.86E-02	4.26E-02	9.26E+00
TEENAGE	TOTALS	5.92E-01	5.20E-02	3.96E-02	4.37E-02	4.12E-02	9.26E+00
ADULT	TOTALS	5.92E-01	5.15E-02	4.04E-02	4.39E-02	4.15E-02	9.26E+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	1.91E-02	1.47E-02	3.94E-02	2.40E-02	2.23E+00
CHILD	TOTALS	1.48E-01	2.23E-02	1.57E-02	2.67E-02	1.99E-02	2.23E+00
TEENAGE	TOTALS	1.49E-01	3.05E-02	1.65E-02	2.12E-02	1.83E-02	2.23E+00
ADULT	TOTALS	1.49E-01	2.99E-02	1.74E-02	2.13E-02	1.86E-02	2.23E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 5, 2015

PAGE 46
12/12/09
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	1.16E-01	1.88E-02	1.30E-02	4.58E-02	2.54E-02	1.70E+00
CHILD	TOTALS	1.15E-01	2.31E-02	1.44E-02	2.90E-02	1.99E-02	1.70E+00
TEENAGE	TOTALS	1.16E-01	3.40E-02	1.53E-02	2.16E-02	1.77E-02	1.70E+00
ADULT	TOTALS	1.16E-01	3.32E-02	1.65E-02	2.18E-02	1.82E-02	1.70E+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	9.32E-01	2.50E-02	2.13E-02	4.21E-02	2.91E-02	1.52E+01
CHILD	TOTALS	9.31E-01	2.77E-02	2.22E-02	3.14E-02	2.57E-02	1.52E+01
TEENAGE	TOTALS	9.32E-01	3.46E-02	2.28E-02	2.67E-02	2.43E-02	1.52E+01
ADULT	TOTALS	9.32E-01	3.41E-02	2.36E-02	2.69E-02	2.46E-02	1.52E+01

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 47
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 5, 2015 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	6.64E-01	2.92E-02	2.59E-02	4.46E-02	3.30E-02	1.06E+01
CHILD	TOTALS	6.64E-01	3.17E-02	2.67E-02	3.50E-02	2.99E-02	1.06E+01
TEENAGE	TOTALS	6.64E-01	3.79E-02	2.73E-02	3.08E-02	2.86E-02	1.06E+01
ADULT	TOTALS	6.64E-01	3.75E-02	2.80E-02	3.09E-02	2.89E-02	1.06E+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	2.31E-01	1.24E-02	9.76E-03	2.44E-02	1.53E-02	3.68E+00
CHILD	TOTALS	2.31E-01	1.43E-02	1.04E-02	1.69E-02	1.29E-02	3.68E+00
TEENAGE	TOTALS	2.31E-01	1.92E-02	1.08E-02	1.36E-02	1.19E-02	3.68E+00
ADULT	TOTALS	2.31E-01	1.88E-02	1.14E-02	1.37E-02	1.21E-02	3.68E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL
 TIME STEP NUMBER 5, 2015

PAGE 48
 12/12/09
 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	5.64E+00	4.75E-02	4.39E-02	6.37E-02	5.14E-02	9.33E+01
CHILD	TOTALS	5.64E+00	5.00E-02	4.48E-02	5.36E-02	4.81E-02	9.33E+01
TEENAGE	TOTALS	5.64E+00	5.66E-02	4.54E-02	4.91E-02	4.68E-02	9.33E+01
ADULT	TOTALS	5.64E+00	5.61E-02	4.61E-02	4.92E-02	4.71E-02	9.33E+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	3.56E-01	2.45E-02	2.20E-02	3.59E-02	2.72E-02	5.58E+00
CHILD	TOTALS	3.56E-01	2.63E-02	2.26E-02	2.88E-02	2.49E-02	5.58E+00
TEENAGE	TOTALS	3.56E-01	3.09E-02	2.30E-02	2.56E-02	2.40E-02	5.58E+00
ADULT	TOTALS	3.56E-01	3.06E-02	2.35E-02	2.57E-02	2.42E-02	5.58E+00

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	5.02E+00	4.16E-02	4.01E-02	4.86E-02	4.33E-02	8.30E+01
CHILD	TOTALS	5.02E+00	4.27E-02	4.04E-02	4.42E-02	4.19E-02	8.30E+01
TEENAGE	TOTALS	5.02E+00	4.56E-02	4.07E-02	4.23E-02	4.13E-02	8.30E+01
ADULT	TOTALS	5.02E+00	4.54E-02	4.10E-02	4.24E-02	4.15E-02	8.30E+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	3.08E-01	1.67E-02	1.46E-02	2.65E-02	1.91E-02	4.89E+00
CHILD	TOTALS	3.08E-01	1.83E-02	1.52E-02	2.04E-02	1.71E-02	4.89E+00
TEENAGE	TOTALS	3.08E-01	2.23E-02	1.55E-02	1.78E-02	1.64E-02	4.89E+00
ADULT	TOTALS	3.08E-01	2.20E-02	1.59E-02	1.78E-02	1.66E-02	4.89E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 5, 2015

PAGE 50
12/12/09
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	3.52E+00	7.65E-02	7.40E-02	8.80E-02	7.93E-02	5.74E+01
CHILD	TOTALS	3.52E+00	7.83E-02	7.46E-02	8.08E-02	7.70E-02	5.74E+01
TEENAGE	TOTALS	3.52E+00	8.30E-02	7.50E-02	7.77E-02	7.60E-02	5.74E+01
ADULT	TOTALS	3.52E+00	8.27E-02	7.55E-02	7.78E-02	7.63E-02	5.74E+01

TIME STEP NUMBER 6, 2016

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.	6.363E-03	5.151E-02	8.411E-04	3.864E-02	1.858E-02	3.021E+00
GROUND	4.465E-04	4.465E-04	4.465E-04	4.465E-04	4.465E-04	4.465E-04
CLOUD	2.523E-02	2.523E-02	2.523E-02	2.523E-02	2.523E-02	2.523E-02
VEG. ING	4.426E-02	5.114E-01	4.426E-02	1.520E-01	1.238E-01	4.426E-02
MEAT ING	2.486E-03	2.873E-02	2.486E-03	8.538E-03	6.954E-03	2.486E-03
MILK ING	5.046E-04	5.831E-03	5.046E-04	1.733E-03	1.412E-03	5.046E-04
RNPLUS0	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	7.929E-02	6.232E-01	7.377E-02	2.266E-01	1.764E-01	3.094E+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	4.156E-01	4.802E+00	4.156E-01	1.427E+00	1.163E+00	4.156E-01
MEAT ING	5.201E-03	6.010E-02	5.201E-03	1.786E-02	1.455E-02	5.201E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS0	3.622E+00	4.939E+01	8.231E-01	3.622E+00	3.622E+00	2.305E+01
TOTALS	4.043E+00	5.425E+01	1.244E+00	5.067E+00	4.799E+00	2.347E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	6.363E-03	5.151E-02	8.411E-04	3.864E-02	1.858E-02	3.021E+00
GROUND	4.465E-04	4.465E-04	4.465E-04	4.465E-04	4.465E-04	4.465E-04
CLOUD	2.523E-02	2.523E-02	2.523E-02	2.523E-02	2.523E-02	2.523E-02
VEG. ING	4.598E-01	5.313E+00	4.598E-01	1.579E+00	1.286E+00	4.598E-01
MEAT ING	7.687E-03	8.882E-02	7.687E-03	2.640E-02	2.150E-02	7.687E-03
MILK ING	5.046E-04	5.831E-03	5.046E-04	1.733E-03	1.412E-03	5.046E-04
RNPLUS0	3.622E+00	4.939E+01	8.231E-01	3.622E+00	3.622E+00	2.305E+01
TOTALS	4.122E+00	5.487E+01	1.318E+00	5.293E+00	4.975E+00	2.656E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 6, 2016

PAGE 52
12/12/09
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	1.03E-01	1.01E-02	8.48E-03	1.75E-02	1.19E-02	1.58E+00
CHILD	TOTALS	1.03E-01	1.13E-02	8.88E-03	1.29E-02	1.04E-02	1.58E+00
TEENAGE	TOTALS	1.03E-01	1.43E-02	9.15E-03	1.09E-02	9.80E-03	1.58E+00
ADULT	TOTALS	1.03E-01	1.41E-02	9.49E-03	1.09E-02	9.95E-03	1.58E+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	5.31E-02	4.80E-03	3.72E-03	9.77E-03	6.00E-03	8.21E-01
CHILD	TOTALS	5.30E-02	5.61E-03	3.99E-03	6.67E-03	5.00E-03	8.21E-01
TEENAGE	TOTALS	5.30E-02	7.65E-03	4.17E-03	5.32E-03	4.61E-03	8.21E-01
ADULT	TOTALS	5.31E-02	7.52E-03	4.40E-03	5.36E-03	4.71E-03	8.21E-01

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	1.76E-01	1.93E-02	1.57E-02	3.62E-02	2.34E-02	2.68E+00
CHILD	TOTALS	1.76E-01	2.21E-02	1.66E-02	2.57E-02	2.00E-02	2.68E+00
TEENAGE	TOTALS	1.76E-01	2.90E-02	1.72E-02	2.11E-02	1.87E-02	2.68E+00
ADULT	TOTALS	1.76E-01	2.85E-02	1.80E-02	2.12E-02	1.90E-02	2.68E+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	1.58E-01	1.35E-02	1.16E-02	2.25E-02	1.57E-02	2.44E+00
CHILD	TOTALS	1.58E-01	1.50E-02	1.21E-02	1.69E-02	1.39E-02	2.44E+00
TEENAGE	TOTALS	1.58E-01	1.86E-02	1.24E-02	1.45E-02	1.32E-02	2.44E+00
ADULT	TOTALS	1.58E-01	1.84E-02	1.28E-02	1.45E-02	1.34E-02	2.44E+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	3.34E-01	2.48E-02	2.20E-02	3.74E-02	2.78E-02	5.21E+00
CHILD	TOTALS	3.34E-01	2.68E-02	2.27E-02	2.96E-02	2.53E-02	5.21E+00
TEENAGE	TOTALS	3.34E-01	3.20E-02	2.32E-02	2.61E-02	2.43E-02	5.21E+00
ADULT	TOTALS	3.34E-01	3.17E-02	2.38E-02	2.62E-02	2.46E-02	5.21E+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	8.94E-02	1.19E-02	8.95E-03	2.57E-02	1.53E-02	1.34E+00
CHILD	TOTALS	8.91E-02	1.42E-02	9.69E-03	1.71E-02	1.25E-02	1.34E+00
TEENAGE	TOTALS	8.93E-02	1.98E-02	1.02E-02	1.34E-02	1.14E-02	1.34E+00
ADULT	TOTALS	8.94E-02	1.95E-02	1.08E-02	1.35E-02	1.17E-02	1.34E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 6, 2016

PAGE 55
12/12/09
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	7.13E-02	1.20E-02	8.08E-03	3.02E-02	1.64E-02	1.04E+00
CHILD	TOTALS	7.09E-02	1.50E-02	9.05E-03	1.89E-02	1.28E-02	1.04E+00
TEENAGE	TOTALS	7.12E-02	2.24E-02	9.72E-03	1.39E-02	1.13E-02	1.04E+00
ADULT	TOTALS	7.13E-02	2.19E-02	1.06E-02	1.41E-02	1.17E-02	1.04E+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	8.89E-01	1.84E-02	1.64E-02	2.80E-02	2.08E-02	1.45E+01
CHILD	TOTALS	8.89E-01	2.00E-02	1.69E-02	2.21E-02	1.88E-02	1.45E+01
TEENAGE	TOTALS	8.89E-01	2.39E-02	1.72E-02	1.95E-02	1.81E-02	1.45E+01
ADULT	TOTALS	8.89E-01	2.37E-02	1.77E-02	1.95E-02	1.83E-02	1.45E+01

REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 56
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
TIME STEP NUMBER 6, 2016 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	6.26E-01	2.37E-02	2.17E-02	3.30E-02	2.59E-02	1.01E+01
CHILD	TOTALS	6.26E-01	2.52E-02	2.22E-02	2.72E-02	2.41E-02	1.01E+01
TEENAGE	TOTALS	6.26E-01	2.90E-02	2.25E-02	2.47E-02	2.33E-02	1.01E+01
ADULT	TOTALS	6.26E-01	2.88E-02	2.29E-02	2.47E-02	2.35E-02	1.01E+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	2.03E-01	8.06E-03	6.61E-03	1.48E-02	9.69E-03	3.28E+00
CHILD	TOTALS	2.03E-01	9.16E-03	6.97E-03	1.06E-02	8.34E-03	3.28E+00
TEENAGE	TOTALS	2.03E-01	1.19E-02	7.22E-03	8.77E-03	7.82E-03	3.28E+00
ADULT	TOTALS	2.03E-01	1.17E-02	7.53E-03	8.82E-03	7.95E-03	3.28E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 6, 2016

PAGE 57
12/12/09

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	5.60E+00	4.19E-02	3.99E-02	5.11E-02	4.41E-02	9.28E+01
CHILD	TOTALS	5.60E+00	4.34E-02	4.04E-02	4.54E-02	4.23E-02	9.28E+01
TEENAGE	TOTALS	5.60E+00	4.72E-02	4.08E-02	4.29E-02	4.16E-02	9.28E+01
ADULT	TOTALS	5.60E+00	4.69E-02	4.12E-02	4.30E-02	4.18E-02	9.28E+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	2.08E-01	1.50E-02	1.32E-02	2.35E-02	1.71E-02	3.25E+00
CHILD	TOTALS	2.08E-01	1.64E-02	1.37E-02	1.82E-02	1.54E-02	3.25E+00
TEENAGE	TOTALS	2.08E-01	1.99E-02	1.40E-02	1.59E-02	1.47E-02	3.25E+00
ADULT	TOTALS	2.08E-01	1.96E-02	1.44E-02	1.60E-02	1.49E-02	3.25E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 6, 2016

PAGE 58
12/12/09
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	2.74E+00	2.48E-02	2.34E-02	3.13E-02	2.64E-02	4.53E+01
CHILD	TOTALS	2.74E+00	2.59E-02	2.37E-02	2.73E-02	2.51E-02	4.53E+01
TEENAGE	TOTALS	2.74E+00	2.85E-02	2.40E-02	2.55E-02	2.46E-02	4.53E+01
ADULT	TOTALS	2.74E+00	2.83E-02	2.43E-02	2.55E-02	2.47E-02	4.53E+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	1.91E-01	1.23E-02	1.04E-02	2.11E-02	1.45E-02	3.01E+00
CHILD	TOTALS	1.90E-01	1.37E-02	1.09E-02	1.56E-02	1.27E-02	3.01E+00
TEENAGE	TOTALS	1.91E-01	1.73E-02	1.12E-02	1.32E-02	1.20E-02	3.01E+00
ADULT	TOTALS	1.91E-01	1.71E-02	1.16E-02	1.33E-02	1.22E-02	3.01E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 59
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 6, 2016 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	1.92E+00	4.35E-02	4.17E-02	5.20E-02	4.56E-02	3.14E+01
CHILD	TOTALS	1.92E+00	4.49E-02	4.21E-02	4.67E-02	4.39E-02	3.14E+01
TEENAGE	TOTALS	1.92E+00	4.84E-02	4.24E-02	4.44E-02	4.32E-02	3.14E+01
ADULT	TOTALS	1.92E+00	4.81E-02	4.28E-02	4.45E-02	4.34E-02	3.14E+01

TIME STEP NUMBER 7, 2017

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.	4.237E-03	3.431E-02	5.575E-04	2.573E-02	1.237E-02	2.096E+00
GROUND	3.472E-04	3.472E-04	3.472E-04	3.472E-04	3.472E-04	3.472E-04
CLOUD	1.742E-02	1.742E-02	1.742E-02	1.742E-02	1.742E-02	1.742E-02
VEG. ING	3.011E-02	3.480E-01	3.011E-02	1.034E-01	8.424E-02	3.011E-02
MEAT ING	1.760E-03	2.033E-02	1.760E-03	6.043E-03	4.922E-03	1.760E-03
MILK ING	3.572E-04	4.127E-03	3.572E-04	1.227E-03	9.992E-04	3.572E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	5.423E-02	4.245E-01	5.055E-02	1.542E-01	1.203E-01	2.146E+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	2.827E-01	3.267E+00	2.827E-01	9.710E-01	7.909E-01	2.827E-01
MEAT ING	3.681E-03	4.254E-02	3.681E-03	1.264E-02	1.030E-02	3.681E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.422E+00	3.302E+01	5.504E-01	2.422E+00	2.422E+00	1.541E+01
TOTALS	2.708E+00	3.633E+01	8.368E-01	3.405E+00	3.223E+00	1.570E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	4.237E-03	3.431E-02	5.575E-04	2.573E-02	1.237E-02	2.096E+00
GROUND	3.472E-04	3.472E-04	3.472E-04	3.472E-04	3.472E-04	3.472E-04
CLOUD	1.742E-02	1.742E-02	1.742E-02	1.742E-02	1.742E-02	1.742E-02
VEG. ING	3.128E-01	3.615E+00	3.128E-01	1.074E+00	8.752E-01	3.128E-01
MEAT ING	5.441E-03	6.287E-02	5.441E-03	1.869E-02	1.522E-02	5.441E-03
MILK ING	3.572E-04	4.127E-03	3.572E-04	1.227E-03	9.992E-04	3.572E-04
RNPLUS50	2.422E+00	3.302E+01	5.504E-01	2.422E+00	2.422E+00	1.541E+01
TOTALS	2.762E+00	3.676E+01	8.874E-01	3.560E+00	3.343E+00	1.784E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 7, 2017

PAGE 61
12/12/09
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	5.28E-02	5.85E-03	4.79E-03	1.08E-02	7.05E-03	8.00E-01
CHILD	TOTALS	5.27E-02	6.69E-03	5.07E-03	7.72E-03	6.07E-03	8.00E-01
TEENAGE	TOTALS	5.28E-02	8.72E-03	5.25E-03	6.39E-03	5.69E-03	8.00E-01
ADULT	TOTALS	5.28E-02	8.62E-03	5.49E-03	6.43E-03	5.79E-03	8.00E-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	2.70E-02	3.56E-03	2.55E-03	8.25E-03	4.70E-03	4.06E-01
CHILD	TOTALS	2.69E-02	4.34E-03	2.80E-03	5.34E-03	3.76E-03	4.06E-01
TEENAGE	TOTALS	2.70E-02	6.27E-03	2.98E-03	4.06E-03	3.39E-03	4.06E-01
ADULT	TOTALS	2.70E-02	6.15E-03	3.20E-03	4.10E-03	3.48E-03	4.06E-01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 7, 2017

PAGE 62
12/12/09
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	1.48E-01	1.67E-02	1.35E-02	3.11E-02	2.02E-02	2.25E+00
CHILD	TOTALS	1.48E-01	1.91E-02	1.43E-02	2.21E-02	1.73E-02	2.25E+00
TEENAGE	TOTALS	1.48E-01	2.50E-02	1.49E-02	1.82E-02	1.61E-02	2.25E+00
ADULT	TOTALS	1.48E-01	2.47E-02	1.56E-02	1.83E-02	1.64E-02	2.25E+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	1.34E-01	1.07E-02	9.57E-03	1.61E-02	1.21E-02	2.09E+00
CHILD	TOTALS	1.34E-01	1.17E-02	9.87E-03	1.28E-02	1.10E-02	2.09E+00
TEENAGE	TOTALS	1.34E-01	1.39E-02	1.01E-02	1.13E-02	1.06E-02	2.09E+00
ADULT	TOTALS	1.34E-01	1.38E-02	1.03E-02	1.14E-02	1.07E-02	2.09E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL

PAGE 63
12/12/09
DURATION IN YRS IS... 1.0

TIME STEP NUMBER 7, 2017

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	3.13E-01	2.14E-02	1.97E-02	2.92E-02	2.33E-02	4.89E+00
CHILD	TOTALS	3.12E-01	2.27E-02	2.01E-02	2.44E-02	2.17E-02	4.89E+00
TEENAGE	TOTALS	3.12E-01	2.60E-02	2.04E-02	2.23E-02	2.11E-02	4.89E+00
ADULT	TOTALS	3.13E-01	2.58E-02	2.08E-02	2.23E-02	2.13E-02	4.89E+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	7.52E-02	9.32E-03	7.32E-03	1.86E-02	1.16E-02	1.13E+00
CHILD	TOTALS	7.50E-02	1.09E-02	7.84E-03	1.28E-02	9.72E-03	1.13E+00
TEENAGE	TOTALS	7.51E-02	1.47E-02	8.19E-03	1.03E-02	9.00E-03	1.13E+00
ADULT	TOTALS	7.52E-02	1.45E-02	8.63E-03	1.04E-02	9.19E-03	1.13E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 7, 2017

PAGE 64
12/12/09
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	9.04E-03	6.36E-03	2.14E-02	1.21E-02	8.44E-01
CHILD	TOTALS	5.71E-02	1.12E-02	7.05E-03	1.37E-02	9.58E-03	8.44E-01
TEENAGE	TOTALS	5.72E-02	1.63E-02	7.52E-03	1.04E-02	8.61E-03	8.44E-01
ADULT	TOTALS	5.73E-02	1.60E-02	8.11E-03	1.05E-02	8.87E-03	8.44E-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	2.60E-01	1.04E-02	8.47E-03	1.95E-02	1.26E-02	4.20E+00
CHILD	TOTALS	2.60E-01	1.19E-02	8.97E-03	1.39E-02	1.08E-02	4.20E+00
TEENAGE	TOTALS	2.60E-01	1.56E-02	9.30E-03	1.14E-02	1.01E-02	4.20E+00
ADULT	TOTALS	2.60E-01	1.54E-02	9.73E-03	1.15E-02	1.03E-02	4.20E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 65
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 7, 2017 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	1.90E-01	1.09E-02	9.19E-03	1.86E-02	1.27E-02	3.01E+00
CHILD	TOTALS	1.90E-01	1.22E-02	9.62E-03	1.38E-02	1.12E-02	3.01E+00
TEENAGE	TOTALS	1.90E-01	1.53E-02	9.91E-03	1.17E-02	1.06E-02	3.01E+00
ADULT	TOTALS	1.90E-01	1.52E-02	1.03E-02	1.18E-02	1.07E-02	3.01E+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	7.52E-02	5.84E-03	4.45E-03	1.23E-02	7.40E-03	1.18E+00
CHILD	TOTALS	7.51E-02	6.91E-03	4.80E-03	8.27E-03	6.11E-03	1.18E+00
TEENAGE	TOTALS	7.52E-02	9.55E-03	5.04E-03	6.53E-03	5.61E-03	1.18E+00
ADULT	TOTALS	7.52E-02	9.39E-03	5.34E-03	6.58E-03	5.74E-03	1.18E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 7, 2017

PAGE 66
12/12/09

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+00	1.54E-02	1.35E-02	2.40E-02	1.75E-02	2.36E+01
CHILD	TOTALS	1.43E+00	1.68E-02	1.40E-02	1.87E-02	1.58E-02	2.36E+01
TEENAGE	TOTALS	1.43E+00	2.04E-02	1.43E-02	1.63E-02	1.51E-02	2.36E+01
ADULT	TOTALS	1.43E+00	2.02E-02	1.47E-02	1.64E-02	1.53E-02	2.36E+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	1.84E-01	1.21E-02	1.11E-02	1.69E-02	1.33E-02	2.88E+00
CHILD	TOTALS	1.84E-01	1.30E-02	1.14E-02	1.40E-02	1.23E-02	2.88E+00
TEENAGE	TOTALS	1.84E-01	1.49E-02	1.15E-02	1.27E-02	1.20E-02	2.88E+00
ADULT	TOTALS	1.84E-01	1.49E-02	1.18E-02	1.27E-02	1.21E-02	2.88E+00

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	2.71E+00	2.11E-02	2.07E-02	2.32E-02	2.16E-02	4.49E+01
CHILD	TOTALS	2.71E+00	2.15E-02	2.08E-02	2.19E-02	2.12E-02	4.49E+01
TEENAGE	TOTALS	2.71E+00	2.24E-02	2.09E-02	2.14E-02	2.11E-02	4.49E+01
ADULT	TOTALS	2.71E+00	2.23E-02	2.10E-02	2.14E-02	2.11E-02	4.49E+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	1.52E-01	7.02E-03	6.37E-03	1.00E-02	7.75E-03	2.43E+00
CHILD	TOTALS	1.52E-01	7.57E-03	6.55E-03	8.17E-03	7.16E-03	2.43E+00
TEENAGE	TOTALS	1.52E-01	8.84E-03	6.67E-03	7.37E-03	6.93E-03	2.43E+00
ADULT	TOTALS	1.52E-01	8.81E-03	6.82E-03	7.40E-03	7.00E-03	2.43E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97)
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL
 TIME STEP NUMBER 7, 2017

PAGE 68
 12/12/09
 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	1.90E+00	4.02E-02	3.91E-02	4.50E-02	4.13E-02	3.10E+01
CHILD	TOTALS	1.90E+00	4.10E-02	3.94E-02	4.20E-02	4.04E-02	3.10E+01
TEENAGE	TOTALS	1.90E+00	4.30E-02	3.96E-02	4.07E-02	4.00E-02	3.10E+01
ADULT	TOTALS	1.90E+00	4.29E-02	3.98E-02	4.07E-02	4.01E-02	3.10E+01

TIME STEP NUMBER 8, 2018

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.	3.529E-03	2.857E-02	4.630E-04	2.143E-02	1.030E-02	1.788E+00
GROUND	3.158E-04	3.158E-04	3.158E-04	3.158E-04	3.158E-04	3.158E-04
CLOUD	1.481E-02	1.481E-02	1.481E-02	1.481E-02	1.481E-02	1.481E-02
VEG. ING	2.542E-02	2.937E-01	2.542E-02	8.729E-02	7.110E-02	2.542E-02
MEAT ING	1.522E-03	1.758E-02	1.522E-03	5.226E-03	4.257E-03	1.522E-03
MILK ING	3.089E-04	3.569E-03	3.089E-04	1.061E-03	8.640E-04	3.089E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	4.591E-02	3.585E-01	4.284E-02	1.301E-01	1.017E-01	1.830E+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	2.386E-01	2.757E+00	2.386E-01	8.196E-01	6.676E-01	2.386E-01
MEAT ING	3.183E-03	3.678E-02	3.183E-03	1.093E-02	8.905E-03	3.183E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	2.022E+00	2.757E+01	4.595E-01	2.022E+00	2.022E+00	1.287E+01
TOTALS	2.264E+00	3.036E+01	7.013E-01	2.852E+00	2.698E+00	1.311E+01

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	3.529E-03	2.857E-02	4.630E-04	2.143E-02	1.030E-02	1.788E+00
GROUND	3.158E-04	3.158E-04	3.158E-04	3.158E-04	3.158E-04	3.158E-04
CLOUD	1.481E-02	1.481E-02	1.481E-02	1.481E-02	1.481E-02	1.481E-02
VEG. ING	2.641E-01	3.051E+00	2.641E-01	9.069E-01	7.387E-01	2.641E-01
MEAT ING	4.705E-03	5.437E-02	4.705E-03	1.616E-02	1.316E-02	4.705E-03
MILK ING	3.089E-04	3.569E-03	3.089E-04	1.061E-03	8.640E-04	3.089E-04
RNPLUS50	2.022E+00	2.757E+01	4.595E-01	2.022E+00	2.022E+00	1.287E+01
TOTALS	2.309E+00	3.072E+01	7.441E-01	2.982E+00	2.800E+00	1.494E+01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 8, 2018

PAGE 70
12/12/09
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	3.60E-02	4.45E-03	3.56E-03	8.53E-03	5.44E-03	5.41E-01
CHILD	TOTALS	3.60E-02	5.16E-03	3.80E-03	6.00E-03	4.63E-03	5.41E-01
TEENAGE	TOTALS	3.60E-02	6.86E-03	3.95E-03	4.90E-03	4.31E-03	5.41E-01
ADULT	TOTALS	3.60E-02	6.79E-03	4.15E-03	4.94E-03	4.40E-03	5.41E-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	1.84E-02	3.15E-03	2.15E-03	7.75E-03	4.27E-03	2.68E-01
CHILD	TOTALS	1.83E-02	3.92E-03	2.41E-03	4.89E-03	3.34E-03	2.68E-01
TEENAGE	TOTALS	1.83E-02	5.81E-03	2.58E-03	3.64E-03	2.99E-03	2.68E-01
ADULT	TOTALS	1.84E-02	5.71E-03	2.80E-03	3.68E-03	3.08E-03	2.68E-01

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 72
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 8, 2018 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	3.05E-01	2.03E-02	1.89E-02	2.65E-02	2.18E-02	4.79E+00
CHILD	TOTALS	3.05E-01	2.14E-02	1.93E-02	2.26E-02	2.05E-02	4.79E+00
TEENAGE	TOTALS	3.05E-01	2.40E-02	1.95E-02	2.10E-02	2.01E-02	4.79E+00
ADULT	TOTALS	3.05E-01	2.39E-02	1.98E-02	2.10E-02	2.02E-02	4.79E+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	7.05E-02	8.45E-03	6.78E-03	1.62E-02	1.03E-02	1.06E+00
CHILD	TOTALS	7.03E-02	9.80E-03	7.22E-03	1.14E-02	8.79E-03	1.06E+00
TEENAGE	TOTALS	7.04E-02	1.30E-02	7.52E-03	9.31E-03	8.20E-03	1.06E+00
ADULT	TOTALS	7.05E-02	1.29E-02	7.89E-03	9.39E-03	8.36E-03	1.06E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 73
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 8, 2018 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	5.26E-02	8.05E-03	5.79E-03	1.85E-02	1.06E-02	7.77E-01
CHILD	TOTALS	5.24E-02	9.88E-03	6.39E-03	1.20E-02	8.52E-03	7.77E-01
TEENAGE	TOTALS	5.26E-02	1.42E-02	6.79E-03	9.22E-03	7.71E-03	7.77E-01
ADULT	TOTALS	5.27E-02	1.40E-02	7.30E-03	9.32E-03	7.93E-03	7.77E-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	5.11E-02	7.76E-03	5.84E-03	1.66E-02	9.91E-03	7.51E-01
CHILD	TOTALS	5.09E-02	9.25E-03	6.33E-03	1.11E-02	8.14E-03	7.51E-01
TEENAGE	TOTALS	5.10E-02	1.29E-02	6.66E-03	8.71E-03	7.44E-03	7.51E-01
ADULT	TOTALS	5.11E-02	1.27E-02	7.08E-03	8.79E-03	7.62E-03	7.51E-01

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	4.43E-02	6.59E-03	5.03E-03	1.38E-02	8.34E-03	6.53E-01
CHILD	TOTALS	4.42E-02	7.82E-03	5.43E-03	9.33E-03	6.90E-03	6.53E-01
TEENAGE	TOTALS	4.42E-02	1.08E-02	5.70E-03	7.38E-03	6.34E-03	6.53E-01
ADULT	TOTALS	4.43E-02	1.06E-02	6.05E-03	7.44E-03	6.49E-03	6.53E-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	3.25E-02	5.10E-03	3.73E-03	1.14E-02	6.64E-03	4.77E-01
CHILD	TOTALS	3.24E-02	6.16E-03	4.08E-03	7.50E-03	5.37E-03	4.77E-01
TEENAGE	TOTALS	3.25E-02	8.77E-03	4.32E-03	5.78E-03	4.88E-03	4.77E-01
ADULT	TOTALS	3.25E-02	8.62E-03	4.62E-03	5.84E-03	5.00E-03	4.77E-01

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 76
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 8, 2018 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	2.70E+00	1.99E-02	1.98E-02	2.04E-02	2.00E-02	4.47E+01
CHILD	TOTALS	2.70E+00	2.00E-02	1.98E-02	2.01E-02	1.99E-02	4.47E+01
TEENAGE	TOTALS	2.70E+00	2.03E-02	1.98E-02	2.00E-02	1.99E-02	4.47E+01
ADULT	TOTALS	2.70E+00	2.03E-02	1.99E-02	2.00E-02	1.99E-02	4.47E+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	1.39E-01	5.25E-03	5.02E-03	6.32E-03	5.51E-03	2.23E+00
CHILD	TOTALS	1.39E-01	5.51E-03	5.10E-03	5.68E-03	5.32E-03	2.23E+00
TEENAGE	TOTALS	1.39E-01	6.00E-03	5.16E-03	5.41E-03	5.25E-03	2.23E+00
ADULT	TOTALS	1.39E-01	6.03E-03	5.23E-03	5.43E-03	5.28E-03	2.23E+00

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 77
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 8, 2018 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	1.89E+00	3.90E-02	3.83E-02	4.27E-02	3.99E-02	3.08E+01
CHILD	TOTALS	1.89E+00	3.97E-02	3.85E-02	4.04E-02	3.92E-02	3.08E+01
TEENAGE	TOTALS	1.89E+00	4.12E-02	3.86E-02	3.95E-02	3.89E-02	3.08E+01
ADULT	TOTALS	1.89E+00	4.12E-02	3.88E-02	3.95E-02	3.90E-02	3.08E+01

TIME STEP NUMBER 9, 2019

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.	2.647E-03	2.143E-02	3.472E-04	1.607E-02	7.728E-03	1.341E+00
GROUND	2.665E-04	2.665E-04	2.665E-04	2.665E-04	2.665E-04	2.665E-04
CLOUD	1.111E-02	1.111E-02	1.111E-02	1.111E-02	1.111E-02	1.111E-02
VEG. ING	1.939E-02	2.241E-01	1.939E-02	6.660E-02	5.424E-02	1.939E-02
MEAT ING	1.210E-03	1.399E-02	1.210E-03	4.157E-03	3.386E-03	1.210E-03
MILK ING	2.457E-04	2.839E-03	2.457E-04	8.439E-04	6.874E-04	2.457E-04
RNPLUS50	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTALS	3.487E-02	2.737E-01	3.257E-02	9.905E-02	7.742E-02	1.373E+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	1.821E-01	2.104E+00	1.821E-01	6.253E-01	5.093E-01	1.821E-01
MEAT ING	2.532E-03	2.926E-02	2.532E-03	8.697E-03	7.084E-03	2.532E-03
MILK ING	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
RNPLUS50	1.516E+00	2.068E+01	3.446E-01	1.516E+00	1.516E+00	9.649E+00
TOTALS	1.701E+00	2.281E+01	5.292E-01	2.150E+00	2.033E+00	9.834E+00

TOTAL DOSES COMPUTED OVER ALL POPULATIONS

PATHWAY	EFFECTIV	BONE	AVG. LUNG	LIVER	KIDNEY	BRONCHI
INHAL.	2.647E-03	2.143E-02	3.472E-04	1.607E-02	7.728E-03	1.341E+00
GROUND	2.665E-04	2.665E-04	2.665E-04	2.665E-04	2.665E-04	2.665E-04
CLOUD	1.111E-02	1.111E-02	1.111E-02	1.111E-02	1.111E-02	1.111E-02
VEG. ING	2.014E-01	2.328E+00	2.014E-01	6.919E-01	5.635E-01	2.014E-01
MEAT ING	3.743E-03	4.325E-02	3.743E-03	1.285E-02	1.047E-02	3.743E-03
MILK ING	2.457E-04	2.839E-03	2.457E-04	8.439E-04	6.874E-04	2.457E-04
RNPLUS50	1.516E+00	2.068E+01	3.446E-01	1.516E+00	1.516E+00	9.649E+00
TOTALS	1.736E+00	2.308E+01	5.618E-01	2.249E+00	2.110E+00	1.121E+01

1 REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 9, 2019

PAGE 79
12/12/09

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	2.70E-02	3.33E-03	2.67E-03	6.40E-03	4.08E-03	4.06E-01
CHILD	TOTALS	2.70E-02	3.90E-03	2.86E-03	4.51E-03	3.48E-03	4.06E-01
TEENAGE	TOTALS	2.70E-02	5.19E-03	2.98E-03	3.69E-03	3.25E-03	4.06E-01
ADULT	TOTALS	2.70E-02	5.15E-03	3.13E-03	3.73E-03	3.32E-03	4.06E-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	1.38E-02	2.36E-03	1.62E-03	5.81E-03	3.20E-03	2.01E-01
CHILD	TOTALS	1.37E-02	2.96E-03	1.81E-03	3.68E-03	2.51E-03	2.01E-01
TEENAGE	TOTALS	1.38E-02	4.39E-03	1.95E-03	2.74E-03	2.25E-03	2.01E-01
ADULT	TOTALS	1.38E-02	4.33E-03	2.11E-03	2.78E-03	2.32E-03	2.01E-01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 9, 2019

PAGE 80
12/12/09

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	1.04E-01	1.18E-02	9.63E-03	2.20E-02	1.43E-02	1.58E+00
CHILD	TOTALS	1.04E-01	1.36E-02	1.02E-02	1.57E-02	1.23E-02	1.58E+00
TEENAGE	TOTALS	1.04E-01	1.79E-02	1.06E-02	1.30E-02	1.15E-02	1.58E+00
ADULT	TOTALS	1.04E-01	1.77E-02	1.11E-02	1.31E-02	1.17E-02	1.58E+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	9.50E-02	7.36E-03	6.67E-03	1.05E-02	8.13E-03	1.48E+00
CHILD	TOTALS	9.49E-02	7.96E-03	6.87E-03	8.58E-03	7.51E-03	1.48E+00
TEENAGE	TOTALS	9.50E-02	9.30E-03	7.00E-03	7.73E-03	7.27E-03	1.48E+00
ADULT	TOTALS	9.50E-02	9.27E-03	7.16E-03	7.77E-03	7.35E-03	1.48E+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	2.29E-01	1.52E-02	1.42E-02	1.99E-02	1.63E-02	3.59E+00
CHILD	TOTALS	2.29E-01	1.61E-02	1.45E-02	1.70E-02	1.54E-02	3.59E+00
TEENAGE	TOTALS	2.29E-01	1.80E-02	1.47E-02	1.57E-02	1.51E-02	3.59E+00
ADULT	TOTALS	2.29E-01	1.80E-02	1.49E-02	1.58E-02	1.52E-02	3.59E+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	5.29E-02	6.34E-03	5.08E-03	1.21E-02	7.75E-03	7.96E-01
CHILD	TOTALS	5.28E-02	7.40E-03	5.43E-03	8.56E-03	6.61E-03	7.96E-01
TEENAGE	TOTALS	5.28E-02	9.84E-03	5.66E-03	7.01E-03	6.17E-03	7.96E-01
ADULT	TOTALS	5.29E-02	9.77E-03	5.96E-03	7.08E-03	6.30E-03	7.96E-01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL

PAGE 82
12/12/09

TIME STEP NUMBER 9, 2019

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	3.95E-02	6.04E-03	4.34E-03	1.39E-02	7.95E-03	5.83E-01
CHILD	TOTALS	3.93E-02	7.48E-03	4.81E-03	9.06E-03	6.41E-03	5.83E-01
TEENAGE	TOTALS	3.94E-02	1.08E-02	5.13E-03	6.95E-03	5.81E-03	5.83E-01
ADULT	TOTALS	3.95E-02	1.07E-02	5.52E-03	7.04E-03	5.99E-03	5.83E-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	3.83E-02	5.82E-03	4.38E-03	1.25E-02	7.44E-03	5.64E-01
CHILD	TOTALS	3.82E-02	6.98E-03	4.76E-03	8.35E-03	6.11E-03	5.64E-01
TEENAGE	TOTALS	3.83E-02	9.74E-03	5.02E-03	6.56E-03	5.60E-03	5.64E-01
ADULT	TOTALS	3.83E-02	9.62E-03	5.34E-03	6.62E-03	5.74E-03	5.64E-01

1REGION: Uranerz - Nichols Ranch CODE: MILDOS-AREA (02/97) PAGE 83
 METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL 12/12/09
 TIME STEP NUMBER 9, 2019 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	3.32E-02	4.94E-03	3.77E-03	1.04E-02	6.26E-03	4.90E-01
CHILD	TOTALS	3.31E-02	5.90E-03	4.09E-03	7.01E-03	5.19E-03	4.90E-01
TEENAGE	TOTALS	3.32E-02	8.16E-03	4.30E-03	5.55E-03	4.77E-03	4.90E-01
ADULT	TOTALS	3.32E-02	8.07E-03	4.56E-03	5.61E-03	4.89E-03	4.90E-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	2.44E-02	3.83E-03	2.80E-03	8.58E-03	4.98E-03	3.58E-01
CHILD	TOTALS	2.43E-02	4.65E-03	3.07E-03	5.64E-03	4.04E-03	3.58E-01
TEENAGE	TOTALS	2.44E-02	6.62E-03	3.25E-03	4.35E-03	3.67E-03	3.58E-01
ADULT	TOTALS	2.44E-02	6.54E-03	3.48E-03	4.40E-03	3.77E-03	3.58E-01

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL

PAGE 84
12/12/09

TIME STEP NUMBER 9, 2019

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	3.03E-02	4.92E-03	3.56E-03	1.13E-02	6.46E-03	4.43E-01
CHILD	TOTALS	3.02E-02	6.03E-03	3.92E-03	7.34E-03	5.20E-03	4.43E-01
TEENAGE	TOTALS	3.03E-02	8.65E-03	4.16E-03	5.63E-03	4.72E-03	4.43E-01
ADULT	TOTALS	3.03E-02	8.54E-03	4.47E-03	5.69E-03	4.85E-03	4.43E-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	1.32E-01	8.37E-03	7.79E-03	1.11E-02	9.02E-03	2.07E+00
CHILD	TOTALS	1.32E-01	8.88E-03	7.95E-03	9.41E-03	8.50E-03	2.07E+00
TEENAGE	TOTALS	1.32E-01	1.00E-02	8.07E-03	8.69E-03	8.30E-03	2.07E+00
ADULT	TOTALS	1.32E-01	1.00E-02	8.21E-03	8.73E-03	8.36E-03	2.07E+00

1REGION: Uranerz - Nichols Ranch
METSET: Pumpkin Butte, WY

CODE: MILDOS-AREA (02/97)
DATA: URANERZ3.MIL
TIME STEP NUMBER 9, 2019

PAGE 85
12/12/09
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	2.03E+00	1.49E-02	1.48E-02	1.53E-02	1.50E-02	3.35E+01
CHILD	TOTALS	2.03E+00	1.50E-02	1.49E-02	1.51E-02	1.49E-02	3.35E+01
TEENAGE	TOTALS	2.03E+00	1.53E-02	1.49E-02	1.50E-02	1.49E-02	3.35E+01
ADULT	TOTALS	2.03E+00	1.53E-02	1.49E-02	1.50E-02	1.49E-02	3.35E+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	1.04E-01	3.94E-03	3.77E-03	4.74E-03	4.13E-03	1.68E+00
CHILD	TOTALS	1.04E-01	4.16E-03	3.84E-03	4.27E-03	3.99E-03	1.68E+00
TEENAGE	TOTALS	1.04E-01	4.53E-03	3.88E-03	4.07E-03	3.94E-03	1.68E+00
ADULT	TOTALS	1.04E-01	4.58E-03	3.94E-03	4.09E-03	3.97E-03	1.68E+00

1REGION: Uranerz ~ Nichols Ranch CODE: MILDOS-AREA (02/97)
METSET: Pumpkin Butte, WY DATA: URANERZ3.MIL

PAGE 86
12/12/09

TIME STEP NUMBER 9, 2019

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	1.41E+00	2.93E-02	2.87E-02	3.20E-02	2.99E-02	2.31E+01
CHILD	TOTALS	1.41E+00	2.98E-02	2.89E-02	3.03E-02	2.94E-02	2.31E+01
TEENAGE	TOTALS	1.41E+00	3.10E-02	2.90E-02	2.96E-02	2.92E-02	2.31E+01
ADULT	TOTALS	1.41E+00	3.09E-02	2.91E-02	2.96E-02	2.93E-02	2.31E+01

0Program execution time = 9.33 seconds

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