2A Input to CRAC 2 Computer Code for Determination of ABWR Site Acceptability

Table 2A-1 Spatial Subgroup (NUREG/CR-2326, pg 2–11*)

Spatial		20	NO				
0.25	0.75	1.25	1.75	2.25	2.75	3.75	4.25
5.75	6.25	7.75	8.25	9.75	10.25	13.75	16.25
18.75	21.25	23.75	26.25				

* This reference specifies the location for the following CRAC input parameters, their definitions and formatting instructions.

Table 2A-2 Site Subgroup (NUREG/CR-2326, pg 2–13)

SITE	1	
GENERIC SITE		50001
29 06		

Table 2A-3 Economic Subgroup (NUREG/CR-2326, pg 2–22)

ECONOMIC			**54**	**NO**			
499.0	3349.0		0.2	31527.0	4344.0	135.0	685.0
MAINE	5	9	0.077	0.182	250.0	485.0	
N.H.	5	9	0.097	0.444	150.0	802.0	
VT	5	9	0.283	0.791	177.0	657.0	
MASS	5	9	0.123	0.283	372.0	1366.0	
R.I.	5	9	0.081	0.220	476.0	2133.0	
CONN	5	9	0.140	0.313	500.0	2158.0	
N.Y.	5	9	0.315	0.579	188.0	642.0	
N.J.	5	9	0.197	0.162	376.0	2222.0	
PA	5	9	0.307	0.413	239.0	669.0	
OHIO	5	9	0.618	0.153	183.0	1516.0	
IND	5	9	0.728	0.067	206.0	1498.0	
ILL	5	9	0.795	0.041	213.0	1786.0	
MICH	5	9	0.285	0.238	197.0	955.0	
WIS	5	9	0.520	0.598	194.0	807.0	
MINN	5	9	0.563	0.185	160.0	854.0	
IOWA	5	9	0.944	0.050	242.0	1458.0	
MO	5	9	0.724	0.079	111.0	674.0	
N.D.	5	9	0.922	0.047	45.0	306.0	
S.D.	5	9	0.922	0.074	46.0	257.0	
NEBR	5	9	0.967	0.027	99.0	470.0	
KANS	5	9	0.915	0.034	92.0	437.0	
DEL	4	10	0.471	0.046	508.0	1725.0	
MD	4	10	0.414	0.227	273.0	1799.0	
VA	4	10	0.371	0.171	126.0	864.0	
W.VA	4	10	0.270	0.203	44.0	472.0	
N.C.	4	10	0.368	0.056	261.0	819.0	
S.C.	4	10	0.327	0.063	148.0	635.0	
GA	4	10	0.417	0.058	164.0	609.0	
FLA	4	10	0.368	0.077	233.0	930.0	
KY	4	10	0.557	0.117	141.0	792.0	
TENN	4	10	0.507	0.140	118.0	669.0	

Table 2A-3 Economic Subgroup (NUREG/CR-2326, pg 2–22) (Continued)

ALA	4	10	0.400	0.041	144.0	515.0
MISS	4	10	0.475	0.047	135.0	520.0
ARK	4	10	0.494	0.030	158.0	691.0
LA	4	10	0.332	0.087	137.0	763.0
OKLA	4	10	0.782	0.051	68.0	442.0
TEXAS	4	10	0.811	0.053	54.0	354.0
MONTANA	5	9	0.658	0.026	20.0	186.0
IDAHO	5	9	0.894	0.114	93.0	485.0
WYOMING	5	9	0.560	0.024	15.0	119.0
COLORADO	4	10	0.570	0.039	69.0	332.0
N.MEXICO	4	10	0.600	0.056	21.0	100.0
ARIZONA	4	10	0.556	0.069	36.0	134.0
UTAH	4	10	0.236	0.215	36.0	265.0
NEVADA	4	10	0.127	0.117	19.0	104.0
WASH	5	9	0.369	0.138	132.0	586.0
OREGON	5	9	0.300	0.093	68.0	330.0
CALIF	4	10	0.318	0.119	316.0	936.0
NOVA SCO	5	9	0.0	0.0	0.0	0.0
QUEBEC	5	9	0.0	0.0	0.0	0.0
ONTARIO	5	9	0.0	0.0	0.0	0.0
BAJA CAL	5	9	0.0	0.0	0.0	0.0
SONORA	5	9	0.0	0.0	0.0	0.0
CHIHUAHU	5	9	0.0	0.0	0.0	0.0

Table 2A-4 Population Subgroup (NUREG/CR-2326, pg 2–26)

To be supplied by utility for specified spatial mesh above.

Table 2A-5 Topography Subgroup, (NUREG/CR-2326, pg 2–33)

To be supplied by utility for specified spatial mesh above.

Table 2A-6 Isotopic Subgroup (NUREG/CR-2326, pg 2–37)

ISOTOPE		54	NO	EVALUATED FOR 3926MWT CINDR SOURCE		
CO-58	7	3.730E+05	7.130E+01	1.000E-02	1.000E-04	0.5 OF GESSAR
CO-60	7	2.247E+03	1.921E+03	1.000E-02	1.000E-04	0.5 OF GESSAR
KR-85	1	1.184E+06	3.919E+03	0.	0.	
KR-85M	1	2.644E+07	1.867E-01	0.	0.	
KR-87	1	5.070E+07	5.278E-02	0.	0.	
KR-88	1	7.185E+07	1.167E-01	0.	0.	
RB-86	4	1.844E+05	1.865E+01	1.000E-02	1.000E-04	
SR-89	6	9.700E+07	5.200E+01	1.000E-02	1.000E-04	
SR-90	6	1.014E+07	1.026E+04	1.000E-02	1.000E-04	
SR-91	6	1.242E+08	3.950E-01	1.000E-02	1.000E-04	
Y-90	8 SR-90	1.094E+07	2.670E+00	1.000E-02	1.000E-04	
Y-91	8 SR-91	1.263E+08	5.880E+01	1.000E-02	1.000E-04	
ZR-95	8	1.735E+08	6.550E+01	1.000E-02	1.000E-04	
ZR-97	8	1.781E+08	7.000E-01	1.000E-02	1.000E-04	
NB-95	8 ZR-95	1.734E+08	3.510E+01	1.000E-02	1.000E-04	
MO-99	7	1.966E+08	2.751E+00	1.000E-02	1.000E-04	
TC-99M	7 MO-99	1.696E+08	2.508E-01	1.000E-02	1.000E-04	
RU-103	7	1.664E+08	3.959E+01	1.000E-02	1.000E-04	
RU-105	7	1.174E+08	1.850E-01	1.000E-02	1.000E-04	
RU-106	7	5.909E+07	3.690E+02	1.000E-02	1.000E-04	
RH-105	7 RU-105	9.907E+07	1.479E+00	1.000E-02	1.000E-04	
SB-127	5	8.969E+06	3.800E+00	1.000E-02	1.000E-04	
SB-129	5	3.172E+07	1.808E-01	1.000E-02	1.000E-04	
TE-127	5 SB-127	8.853E+06	3.896E-01	1.000E-02	1.000E-04	
TE-127M	5	1.339E+06	1.090E+02	1.000E-02	1.000E-04	
TE-129	5 SB-129	2.983E+07	4.861E-02	1.000E-02	1.000E-04	
TE-129M	5	8.090E+06	3.340E+01	1.000E-02	1.000E-04	
TE-131M	5	1.464E+07	1.250E+00	1.000E-02	1.000E-04	
TE-132	5	1.488E+08	3.250E+00	1.000E-02	1.000E-04	
I-131	3 TE-131M	1.033E+08	8.040E+00	1.000E-02	1.000E-04	
I-132	3 TE-132	1.510E+08	9.521E-02	1.000E-02	1.000E-04	
I-133	3	2.160E+08	8.667E-01	1.000E-02	1.000E-04	

Table 2A-6 Isotopic Subgroup (NUREG/CR-2326, pg 2–37) (Continued)

I-134	3	2.378E+08	3.653E-02	1.000E-02	1.000E-04
I-135	3	2.039E+08	2.744E-01	1.000E-02	1.000E-04
XE-133	1 I-133	2.170E+08	5.290E+00	0.	0.
XE-135	1 I-135	3.806E+07	3.821E-01	0.	0.
CS-134	4	2.103E+07	7.524E+02	1.000E-02	1.000E-04
CS-136	4	4.630E+06	1.300E+01	1.000E-02	1.000E-04
CS-137	4	1.305E+07	1.099E+04	1.000E-02	1.000E-04
BA-140	6	1.863E+08	1.279E+01	1.000E-02	1.000E-04
LA-140	8 BA-140	1.974E+08	1.676E+00	1.000E-02	1.000E-04
CE-141	8	1.727E+08	3.253E+01	1.000E-02	1.000E-04
CE-143	8	1.629E+08	1.375E+00	1.000E-02	1.000E-04
CE-144	8	1.387E+08	2.844E+02	1.000E-02	1.000E-04
PR-143	8 CE-143	1.612E+08	1.358E+01	1.000E-02	1.000E-04
ND-147	8	7.103E+07	1.099E+01	1.000E-02	1.000E-04
NP-239	8	2.401E+09	2.350E+00	1.000E-02	1.000E-04
PU-238	8 CM-242	6.224E+05	3.251E+04	1.000E-02	1.000E-04
PU-239	8 NP-239	5.364E+04	8.912E+06	1.000E-02	1.000E-04
PU-240	8 CM-244	8.826E+04	2.469E+06	1.000E-02	1.000E-04
PU-241	8	2.121E+07	5.333E+03	1.000E-02	1.000E-04
AM-241	8 PU-241	1.726E+04	1.581E+05	1.000E-02	1.000E-04
CM-242	8	1.260E+07	1.630E+02	1.000E-02	1.000E-04
CM-244	8	2.885E+05	6.611E+03	1.000E-02	1.000E-04

Table 2A-7 Leakage Subgroup (NUREG/CR-2326, pg 2–41)

(This group input as a dummy in reference deck and overwritten by individual cases.) (See Individual Cases)							
LEAKAGE	**1**	**NO DUMMY INPUT-OVERLAYED IN ACTUAL RUN SEE TABLE 2A-15**					
ABWR CS1	1.0	31.9	2.78	1.5	4.0E+07	10.	
1.0E+00		0.8	0.8	1.0E-03	1.1E-03	2.6E-04	1.5E-07

Table 2A-8 Dispersion Subgroup (NUREG/CR-2326, pg 2–45)

DISPERSION				
54.0	37.7	4	0	0

Table 2A-9 Evacuation Subgroup (NUREG/CR-2326, pg 2–47)

EVACUATE 2 NO NO						
0.95	1.5	4.47	7.0	11263.	16. 0	2.
0.05	0.	0.	0.	0.	0.	2.
0.75	1.	0.5	0.75	0.33	0.5	0.08
2.66E-4	2.66E-4	1.33E-4	2.66E-4			
8045.	90.	95.	3.	0		

Table 2A-10 Acute Subgroup (NUREG/CR-2326, pg 2–53)

ACUTE		7					
T MARROW	320.	400.	510.	615.	.03	.5	1.
LLI WALL	2000.	5000.	5000.	5000.	1.	1.	1.
LUNG	5000.	14800.	22400.	24000.	.24	.73	1.
W BODY	55.	150.	280.	370.	.30	.8	0.
LUNG	3000.	3000.1	6000.	6000.	.05	1.0	0.
LLI WALL	1000.	1000.1	2500.	2500.	.05	1.0	0.
THYROID	1.E10	1.E10	1.E10	1.E10	1.0	1.0	0.0

Table 2A-11 Latent Subgroup (NUREG/CR-2326, pg 2–57)

LATENT	**8**						
10CENT EST	30.	5.	300.	2.5			
T MARROW	LEUKEMIA	2.836E-05	2.720E-05	1.872E-05	1.382E-05	9.720E-06	6.770E-06
4.040E-06	1.700E-06	4.900E-07	0.0	1.0			
LUNG	LUNG	2.749E-05	2.749E-05	2.749E-05	1.587E-05	8.130E-06	3.990E-06
1.500E-06	2.200E-07	0.0	0.0	0.5			
OTHER	BREAST	3.172E-05	3.172E-05	3.172E-05	1.831E-05	9.380E-06	4.600E-06
1.730E-06	2.500E-07	0.0	0.0	1.000E+09			
SKELETON	BONE	1.107E-05	1.064E-05	6.990E-06	3.020E-06	1.670E-06	9.100E-07
4.200E-07	1.200E-07	1.000E-08	0.0	1.0			
LLI WALL	GI TRK	1.688E-05	1.688E-05	1.688E-05	9.740E-06	4.990E-06	2.450E-06
9.200E-07	1.300E-07	0.0	0.0	1.0			
OTHER	OTHER	4.235E-05	3.557E-05	2.539E-05	1.466E-05	7.520E-06	3.690E-06
1.390E-06	2.000E-07	0.0	0.0	1.0			
W BODY	W BODY	1.579E-04	1.533E-04	1.274E-04	7.542E-05	4.141E-05	2.241E-05
1.000E-05	2.620E-06	5.000E-07	0.0	1.0			
THYROID	THYROID	3.34E-04					
				1.00E 09			

Table 2A-12 Chronic Subgroup (NUREG/CR-2326, pg 2–62)

CHRONIC EXPOSURE				**6**			
10	1	1.000	365.	25550.		3.0	15.0
SR-90		0.0525	0.0718				
RU-106		0.0397	0.0533				
CS-137		0.0525	0.105				
PU-238		0.0529	0.107				
PU-239		0.0530	0.108				
PU-240		0.0530	0.108				
PU-241		0.0520	0.101				
AM-241		0.0530	0.108				
CM-242		0.0292	0.0327				
CM-244		0.0522	0.102				
3	11	1.0	365.	365.	14.0	2.0	3.3
CS-134		8.44	4.22				
LUNG		6.47E+4	7.31E+4				
T MARROW		6.50E+4	7.34E+4				
SKELETON		6.41E+4	7.24E+4				
T E C L		6.41E+4	7.24E+4				
ST WALL		7.40E+4	8.34E+4				
SI+CONT		8.05E+4	9.09E+4				
ULI WALL		7.95E+4	8.96E+4				
LLI WALL		8.28E+4	9.33E+4				
THYROID		6.49E+4	7.33E+4				
OTHER		6.27E+4	7.08E+4				
W BODY		6.32E+4	7.14E+4				
TESTES		7.57E+4	8.55E+4				
OVARIES		6.68E+4	7.55E+4				
CS-136		2.84	1.42				
LUNG		8.82E+3	8.82E+3				
T MARROW		9.29E+3	9.29E+3				
SKELETON		9.10E+3	9.10E+3				
T E C L		9.10E+3	9.10E+3				
ST WALL		1.15E+4	1.15E+4				

Table 2A-12 Chronic Subgroup (NUREG/CR-2326, pg 2–62) (Continued)

SI+CONT		1.19E+4	1.19E+4				
ULI WALL		1.20E+4	1.20E+4				
LLI WALL		1.35E+4	1.35E+4				
THYROID		9.23E+3	9.23E+3				
OTHER		8.88E+3	8.88E+3				
W BODY		8.96E+3	8.96E+3				
TESTES		1.03E+4	1.03E+4				
OVARIES		9.48E+3	9.48E+3				
CS-137		8.44	4.22				
LUNG		4.71E+4	5.59E+4				
T MARROW		4.73E+4	5.61E+4				
SKELETON		4.68E+4	5.56E+4				
T E C L		4.68E+4	5.56E+4				
ST WALL		5.18E+4	6.13E+4				
SI+CONT		5.39E+4	6.39E+4				
ULI WALL		5.40E+4	6.39E+4				
LLI WALL		5.64E+4	6.64E+4				
THYROID		4.68E+4	5.55E+4				
OTHER		4.60E+4	5.45E+4				
W BODY		4.62E+4	5.49E+4				
TESTES		5.18E+4	6.15E+4				
OVARIES		4.81E+4	5.70E+4				
2	2	1.0	365.	365.	14.0	2.0	3.3
SR-89		.397	0.402				
LUNG		2.91E+3	5.81E+2				
T MARROW		2.63E+4	5.26E+3				
SKELETON		5.95E+4	1.19E+4				
T E C L		6.00E+4	1.20E+4				
ST WALL		1.56E+4	3.12E+3				
SI+CONT		2.73E+4	5.45E+3				
ULI WALL		1.46E+5	2.91E+4				
LLL WALL		4.27E+5	8.53E+4				
THYROID		2.91E+3	5.81E+2				

Table 2A-12 Chronic Subgroup (NUREG/CR-2326, pg 2–62) (Continued)

OTHER		2.91E+3	5.81E+2				
W BODY		9.55E+3	1.91E+3				
TESTES		2.91E+3	5.81E+2				
OVARIES		2.91E+3	5.81E+2				
SR-90		.505	.588				
LUNG		1.59E+4	3.18E+3	5.50E+2	1.80E+1		
T MARROW		1.04E+6	2.08E+5	5.25E+4	1.29E+4	1.00E+4	3.10E+3
SKELETON		3.08E+6	6.15E+5	2.57E+5	9.81E+4	1.09E+5	4.30E+4
T E C L		2.64E+6	5.27E+5	1.93E+5	6.77E+4	7.20E+4	2.76E+4
ST WALL		2.03E+4	4.05E+3	5.50E+1	1.80E+1		
SI+CONT		2.64E+4	5.28E+3	5.50E+1	1.80E+1		
ULI WALL		1.06E+5	2.11E+4	5.00E+1	2.00E+1		
LLL WALL		4.06E+5	8.12E+4	5.00E+1			
THYROID		1.59E+4	3.18E+3	5.50E+1	1.80E+1		
OTHER		1.59E+4	3.18E+3	5.50E+1	1.30E+1		
W BODY		2.76E+5	5.52E+4	2.03E+4	7.44E+3	8.08E+3	3.13E+3
TESTES		1.59E+4	3.18E+3	5.50E+1	1.80E+1		
OVARIES		1.59E+4	3.18E+3	5.50E+1	1.80E+1		
2	9	1.0	0.0	365.	14.0	0.0	10.0
I-133		1.00E-8	0.00486				
LUNG		8.53E+2	1.58E+2				
T MARROW		7.99E+2	1.48E+2				
SKELETON		7.88E+2	1.46E+2				
T E C L		7.88E+2	1.46E+2				
ST WALL		1.11E+4	2.06E+3				
SI+CONT		2.30E+3	4.25E+2				
ULI WALL		6.16E+3	1.14E+3				
LLI WALL		9.83E+3	1.82E+3				
THYROID		1.73E+6	3.21E+5				
OTHER		9.07E+2	1.68E+2				
W BODY		1.46E+3	2.70E+2				
TESTES		7.13E+2	1.32E+2				
OVARIES		9.99E+2	1.85E+2				

Table 2A-12 Chronic Subgroup (NUREG/CR-2326, pg 2–62) (Continued)

I-131		1.00E-8	0.692				
LUNG		1.92E+3	3.56E+2				
T MARROW		1.55E+3	2.87E+2				
SKELETON		1.67E+3	3.10E+2				
T E C L		1.67E+3	3.10E+2				
ST WALL		6.16E+3	1.14E+3				
SI+CONT		1.79E+3	3.32E+2				
ULI WALL		4.49E+3	8.32E+2				
LLI WALL		1.03E+4	1.91E+3				
THYROID		9.07E+6	1.68E+6				
OTHER		2.20E+3	4.07E+2				
W BODY		4.75E+3	8.79E+2				
TESTES		7.51E+3	1.39E+2				
OVARIES		1.15E+3	2.21E+2				
4	2	1.000	3650.	3650.	2400.	5.0	5.0
CS-134		.164	.0547				
LUNG		7.31E+4					
T MARROW		7.34E+4					
SKELETON		7.24E+4					
T E C L		7.24E+4					
ST WALL		8.34E+4					
SI+CONT		9.09E+4					
ULI WALL		8.96E+4					
LLI WALL		9.33E+4					
THYROID		7.33E+4					
OTHER		7.08E+4					
W BODY		7.14E+4					
TESTES		8.55E+4					
OVARIES		7.55E+4					
CS-137		.250	.0835				
LUNG		5.59E+4					
T MARROW		5.61E+4					
SKELETON		5.56E+4					

Table 2A-12 Chronic Subgroup (NUREG/CR-2326, pg 2–62) (Continued)

T E C L	5.56E+4					
ST WALL	6.13E+4					
SI+CONT	6.39E+4					
ULI WALL	6.39E+4					
LLI WALL	6.64E+4					
THYROID	5.55E+4					
OTHER	5.45E+4					
W BODY	5.49E+4					
TESTES	6.15E+4					
OVARIES	5.70E+4					
SR-89	.0136	.0068				
LUNG	5.81E+2					
T MARROW	5.26E+3					
SKELETON	1.19E+4					
T E C L	1.20E+4					
ST WALL	3.12E+3					
SI+CONT	5.45E+3					
ULI WALL	2.91E+4					
LLL WALL	8.53E+4					
THYROID	5.81E+2					
OTHER	5.81E+2					
W BODY	1.91E+3					
TESTES	5.81E+2					
OVARIES	5.81E+2					
SR-90	1.340	0.669				
LUNG	3.18E+3	5.50E+2	1.80E+1			
T MARROW	2.08E+5	5.25E+4	1.29E+4	1.00E+4	3.10E+3	3.103+3
SKELETON	6.15E+5	2.57E+5	9.81E+4	1.09E+5	4.30E+4	4.30E+4
T E C L	5.27E+5	1.93E+5	6.77E+4	7.20E+4	2.76E+4	2.76E+4
ST WALL	4.05E+3	5.50E+1	1.80E+1			
SI+CONT	5.28E+3	5.50E+1	1.80E+1			
ULI WALL	2.11E+4	5.00E+1	2.00E+1			
LLL WALL	8.12E+4	5.00E+1				

Table 2A-12 Chronic Subgroup (NUREG/CR-2326, pg 2–62) (Continued)

THYROID		3.18E+3	5.50E+1	1.80E+1			
OTHER		3.18E+3	5.50E+1	1.30E+1			
W BODY		5.52E+4	2.03E+4	7.44E+3	8.08E+3	3.13E+3	3.13E+3
TESTES		3.18E+3	5.50E+1	1.80E+1			
OVARIES		3.18E+3	5.50E+1	1.80E+1			
10	11	0.333	365.	10950.	3285.	5.0	25.0
CO-58							
CO-60							
NB-95							
ZR-95							
RU-103							
RU-106							
I-131							
CS-134							
CS-136							
CS-137							

Table 2A-13 Scale Subgroup (NUREG/CR-2326, pg 2–72)

SCALE			**36**	**NO**				
1	E02	E03	E05	E07	E01	E12	E13	E1
5	E17	E11	E22	E23	E25	E27	E21	E3
2	E33	E35	E37	E31	E42	E43	E45	E4
7	E41	E52	E53	E55	E57	E51	E62	E6
3	E65	E67	E61	E7				

Table 2A-14 Results Subgroup (NUREG/CCR-2326, pg 2–72)

RESULT 28 NO	
ACUTE FATALITIES	
ACUTE INJURIES	
POP W/BMR DS>200	
RSK OF FAT-INT 2	1.0E-06
RSK OF FAT-INT 4	1.0E-06
RSK OF FAT-INT10	1.0E-06
RSK OF FAT-INT14	1.0E-06
FATAL RADIUS(MI)	
RSK OF INJ-INT 2	1.0E-06
RSK OF INJ-INT14	1.0E-06
RSK OF INJ-INT18	1.0E-06
INJUR RADIUS(MI)	
ACU BMR DS-INT 2	1.0E-02
ACU BMR DS-INT10	1.0E-02
ACU BMR DS-INT14	1.0E-02
ACU BMR DS-INT18	1.0E-02
ACU THY DS-INT 2	1.0E-02
ACU THY DS-INT10	1.0E-02
ACU THY DS-INT14	1.0E-02
ACU THY DS-INT18	1.0E-02
TOT LAT/INITIAL	
TOT LAT/TOTAL	
CANCER RSK-INT 2	1.0E-06
CANCER RSK-INT14	1.0E-06
CANCER RSK-INT18	1.0E-06
DECON AREA	
DECON DIST	
TOT WBODY MANREM	1.0E-02

Table 2A-15 Individual Accident Event Groups Leakage Subgroup (NUREG/CR-2326, pg 2–41)

The following are input after the basis reference deck setup as individual cases.							
LEAKAGE							
CASE0	1.0	2.7	10.0	1.7	3.3E+05	37.0	
0.0054		3.8E–06	5.1E–06	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE1	1.0	20.0	1.0	19.2	3.3E+05	37.0	
1.00		1.5E–07	1.3E–05	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE2	1.0	19.0	1.0	18.2	3.3E+05	37.0	
1.00		5.6E–06	5.6E–06	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE3	1.0	50.0	10.0	49.2	3.3E+05	37.0	
1.00		2.8E–04	2.2E–03	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE4	1.0	20.0	1.0	19.2	3.3E+05	37.0	
1.00		1.6E–03	1.6E–03	1.0E–03	1.0E–08	1.0E–08	1.0E–08
CASE5	1.0	19.0	1.0	18.2	3.3E+05	37.0	
1.00		6.0E–03	5.3E–04	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE6	1.0	19.0	10.0	18.2	3.3E+05	37.0	
1.00		3.1E–02	7.7E–02	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE7	1.0	20.0	10.0	19.2	3.3E+05	37.0	
1.00		8.9E–03	9.9E–02	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE8	1.0	2.0	10.0	1.2	1.0E+06	37.0	
1.00		1.9E–01	2.5E–01	1.0E–08	1.0E–08	1.0E–08	1.0E–08
CASE9	1.0	23.6	10.0	12.2	3.3E+05	37.0	
1.00		3.7E–01	3.6E–01	1.0E–08	1.0E–08	1.0E–08	1.0E–08

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3)

CO-58	CO-60	KR-85	KR-85M	KR-87	KR-88	RB-86	SR-89	SR-90	SR-91
Y-90	Y-91	ZR-95	ZR-97	NB-95	MO-99	TC-99M	RU-103	RU-105	RU-106
RH-105	TE-127	TE-127m	TE-129	TE-129m	TE-131m	TE-132	SB-127	SB-129	I-131
I-132	I-133	I-134	I-135	XE-133	XE-135	CS-134	CS-136	CS-137	BA-140
LA-140	CE-141	CE-143	CE-144	PR-143	ND-147	NP-239	PU-238	PU-239	PU-240
PU-241	AM-241	CM-242	CM-244						
LUNG									
.5900e+05	.5900e+05	.2000e+04	0.	0.	0.	0.			
.1030e+03	.2100e+04	.1130e+06	.2010e+00						
.4600e+06	.4600e+06	.7400e+06	0.	.1000e+06	0.	0.			
.2660e+03	.5580e+04	.2920e+06	.5670e+00						
.1800e+00	.1800e+00	0.	0.	0.	0.	0.			
.2300e+00	.4820e+01	.2510e+03	.4470e-03						
.2100e+00	.2100e+00	0.	0.	0.	0.	0.			
.9220e+01	.1300e+02	.1760e+05	.3220e-01						
.9600e+00	.9600e+00	0.	0.	0.	0.	0.			
.1730e+02	.1750e+02	.8400e+05	.1720e+00						
.2000e+01	.2000e+01	0.	0.	0.	0.	0.			
.1110e+03	.1300e+03	.2090e+06	.4470e+00						
.1400e+05	.1400e+05	0.	0.	0.	0.	0.			
.9270e+01	.1730e+03	.1020e+05	.1940e-01						
.7800e+04	.7800e+04	0.	0.	0.	0.	0.			
0.	0.	0.	0.						
.1600e+05	.1600e+05	.2000e+04	0.	0.	0.	0.			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

0.	0.	0.	0.			
.4300e+04	.4300e+04	0.	0.	0.	0.	0.
.8250e+02	.1930e+03	.8580e+05	.1600e+00			
.3300e+05	.3300e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.2000e+06	.2000e+06	0.	0.	0.	0.	0.
.2810e+00	.5660e+01	.3080e+03	.5940e-03			
.1300e+06	.1300e+06	0.	0.	0.	0.	0.
.7720e+02	.1670e+04	.8440e+05	.1520e+00			
.1500e+05	.1500e+05	0.	0.	0.	0.	0.
.1310e+03	.5100e+03	.2120e+05	.4000e-01			
.3100e+05	.3100e+05	0.	0.	0.	0.	0.
.7820e+02	.1540e+04	.8590e+05	.1560e+00			
.1600e+05	.1600e+05	0.	0.	0.	0.	0.
.2180e+02	.2910e+03	.2080e+05	.3420e-01			
.8900e+02	.8900e+02	0.	0.	0.	0.	0.
.8120e+01	.1350e+02	.1360e+05	.2540e-01			
.5400e+05	.5400e+05	0.	0.	0.	0.	0.
.5520e+02	.1090e+04	.6050e+05	.1050e+00			
.2200e+04	.2200e+04	0.	0.	0.	0.	0.
.4850e+02	.7370e+02	.9200e+05	.1670e+00			
.2500e+07	.2500e+07	.1400e+07	0.	0.	0.	0.
.2060e+02	.4300e+03	.2250e+05	.4060e-01			
.3600e+04	.3600e+04	0.	0.	0.	0.	0.
.7530e+01	.5010e+02	.8940e+04	.1610e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1600e+04	.1600e+04	0.	0.	0.	0.	0.
.3430e+00	.7670e+00	.4980e+03	.8780e-03			
.1200e+06	.1200e+06	0.	0.	0.	0.	0.
.1340e+01	.3370e+02	.1350e+04	.5610e-03			
.5600e+03	.5600e+03	0.	0.	0.	0.	0.
.1810e+01	.1830e+01	.9550e+04	.1350e-01			
.1500e+06	.1500e+06	0.	0.	0.	0.	0.
.1020e+02	.2220e+03	.6480e+04	.6970e-02			
.1100e+05	.1100e+05	0.	0.	0.	0.	0.
.1390e+03	.8900e+03	.1590e+06	.2940e+00			
.3000e+05	.3000e+05	0.	0.	0.	0.	0.
.1690e+03	.2880e+04	.2230e+05	.4190e-01			
.2500e+05	.2500e+05	0.	0.	0.	0.	0.
.7050e+02	.8650e+03	.7950e+05	.1430e+00			
.3200e+04	.3200e+04	0.	0.	0.	0.	0.
.6990e+02	.9780e+02	.1360e+06	.2530e+00			
.2400e+04	.2400e+04	0.	0.	0.	0.	0.
.4150e+02	.6630e+03	.4610e+05	.8220e-01			
.1000e+04	.1000e+04	0.	0.	0.	0.	0.
.9230e+02	.1010e+03	.2700e+06	.4830e+00			
.3100e+04	.3100e+04	0.	0.	0.	0.	0.
.6500e+02	.2910e+03	.8090e+05	.1460e+00			
.5600e+03	.5600e+03	0.	0.	0.	0.	0.
.3870e+02	.3880e+02	.2690e+06	.5000e+00			
.2500e+04	.2500e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1400e+03	.2690e+03	.2040e+06	.4000e+00			
.4100e+00	.4100e+00	0.	0.	0.	0.	0.
.5750e+01	.8080e+02	.6440e+04	.6970e-02			
.9400e+00	.9400e+00	0.	0.	0.	0.	0.
.1890e+02	.4160e+02	.2750e+05	.5060e-01			
.4500e+05	.4500e+05	.6000e+04	0.	0.	0.	0.
.1660e+03	.3470e+04	.1810e+06	.3280e+00			
.8200e+04	.8200e+04	0.	0.	0.	0.	0.
.2160e+03	.3820e+04	.2380e+06	.4440e+00			
.3400e+05	.3400e+05	.6000e+04	0.	0.	0.	0.
.5840e+02	.1240e+04	.6450e+05	.1150e+00			
.6300e+04	.6300e+04	0.	0.	0.	0.	0.
.3970e+02	.3460e+04	.2580e+05	.4140e-01			
.1600e+05	.1600e+05	0.	0.	0.	0.	0.
.2330e+03	.1710e+04	.2730e+06	.5390e+00			
.6200e+05	.6200e+05	0.	0.	0.	0.	0.
.7640e+01	.1500e+03	.8400e+04	.1500e-01			
.1300e+05	.1300e+05	0.	0.	0.	0.	0.
.3140e+02	.2000e+03	.3720e+05	.6080e-01			
.2100e+07	.2100e+07	.8000e+06	0.	0.	0.	0.
.4980e+01	.1070e+03	.2250e+04	.3440e-02			
.4900e+05	.4900e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3700e+05	.3700e+05	.1000e+04	0.	0.	0.	0.
.1570e+02	.2700e+03	.1740e+05	.2780e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.9200e+04	.9200e+04	.1000e+03	0.	0.	0.	0.
.1870e+02	.1740e+03	.2150e+05	.2650e-01			
.1200e+09	.1200e+09	.1900e+09	0.	0.	0.	0.
.5410e-01	.1140e+01	.5920e+02	.9580e-05			
.1200e+09	.1200e+09	.1700e+09	0.	0.	0.	0.
.2960e-01	.6220e+00	.3240e+02	.5420e-05			
.1200e+09	.1200e+09	.1700e+09	.1000e+08	0.	0.	0.
.5150e-01	.1080e+01	.5640e+02	.9170e-05			
.6400e+05	.6400e+05	.4660e+06	.3000e+05	.1000e+05	.1000e+05	.1000e+05
.3530e-05	.1560e-02	.7740e-02	.2940e-09			
.1300e+09	.1300e+09	.1800e+09	0.	0.	0.	.1000e+08
.4840e+01	.1020e+03	.5300e+04	.3220e-02			
.7600e+08	.7600e+08	.1100e+08	0.	0.	0.	0.
.4370e-01	.9050e+00	.4790e+02	.8310e-05			
.1300e+09	.1300e+09	.1800e+09	0.	0.	0.	0.
.1240e+01	.2610e+02	.1360e+04	.1070e-02			
t marrow						
.7950e+03	.3000e+04	.1000e+03	0.	0.	0.	0.
.1230e+03	.2500e+04	.1350e+06	.2400e+00			
.2000e+04	.2100e+05	.3500e+05	.1000e+04	.1000e+04	0.	0.
.2960e+03	.6220e+04	.3250e+06	.6310e+00			
.6100e+00	.6100e+00	0.	0.	0.	0.	0.
.2970e+00	.6220e+01	.3250e+03	.5780e-03			
.3900e+00	.3900e+00	0.	0.	0.	0.	0.
.1570e+02	.2210e+02	.3000e+05	.5500e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1300e+01	.1300e+01	0.	0.	0.	0.	0.
.1930e+02	.1960e+02	.9370e+05	.1920e+00			
.3100e+01	.3100e+01	0.	0.	0.	0.	0.
.1190e+03	.1390e+03	.2250e+06	.4830e+00			
.3250e+04	.6500e+04	0.	0.	0.	0.	0.
.1090e+02	.2020e+03	.1200e+05	.2270e-01			
.3350e+04	.1300e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.6100e+04	.1100e+06	.4200e+06	.1300e+06	.3000e+05	.3000e+05	.1000e+05
0.	0.	0.	0.			
.2150e+03	.3100e+03	.1000e+02	0.	0.	0.	0.
.1020e+03	.2390e+03	.1030e+06	.1930e+00			
.4700e+03	.5100e+03	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1430e+04	.9200e+04	.1000e+03	0.	0.	0.	0.
.3010e+00	.6060e+01	.3300e+03	.6390e-03			
.6700e+03	.3500e+04	.1000e+03	0.	0.	0.	0.
.9460e+02	.2040e+04	.1030e+06	.1870e+00			
.1900e+03	.1900e+03	0.	0.	0.	0.	0.
.1670e+03	.6520e+03	.2510e+05	.4720e-01			
.5750e+03	.1400e+04	0.	0.	0.	0.	0.
.9170e+02	.1800e+04	.1010e+06	.1830e+00			
.1250e+03	.1300e+03	0.	0.	0.	0.	0.
.3130e+02	.4650e+03	.2700e+05	.4440e-01			
.1100e+02	.1100e+02	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1740e+02	.2880e+02	.2910e+05	.5420e-01			
.4050e+03	.1100e+04	0.	0.	0.	0.	0.
.7160e+02	.1420e+04	.7830e+05	.1360e+00			
.2400e+02	.2400e+02	0.	0.	0.	0.	0.
.6440e+02	.9990e+02	.1220e+06	.2210e+00			
.4400e+03	.3600e+04	.2600e+04	0.	0.	0.	0.
.2650e+02	.5540e+03	.2910e+05	.5220e-01			
.2300e+02	.2300e+02	0.	0.	0.	0.	0.
.1280e+02	.8550e+02	.1520e+05	.2740e-01			
.3900e+01	.3900e+01	0.	0.	0.	0.	0.
.4540e+00	.1010e+01	.6590e+03	.1160e-02			
.1820e+03	.7500e+03	.5000e+02	0.	0.	0.	0.
.4080e+01	.9200e+02	.4310e+04	.1790e-02			
.1100e+01	.1100e+01	0.	0.	0.	0.	0.
.2420e+01	.2440e+01	.1270e+05	.1810e-01			
.3750e+03	.8300e+03	.1000e+02	0.	0.	0.	0.
.1420e+02	.3070e+03	.9200e+04	.9920e-02			
.3000e+03	.3100e+03	0.	0.	0.	0.	0.
.1710e+03	.1100e+04	.1920e+06	.3560e+00			
.9400e+03	.1000e+04	0.	0.	0.	0.	0.
.2170e+03	.3630e+04	.3880e+05	.7310e-01			
.3100e+03	.3300e+03	0.	0.	0.	0.	0.
.9070e+02	.1110e+04	.1020e+06	.1840e+00			
.4600e+02	.4600e+02	0.	0.	0.	0.	0.
.8250e+02	.1160e+03	.1600e+06	.2970e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1500e+03	.1900e+03	0.	0.	0.	0.	0.
.5450e+02	.8730e+03	.6060e+05	.1080e+00			
.5000e+02	.5000e+02	0.	0.	0.	0.	0.
.1130e+03	.1230e+03	.3290e+06	.5890e+00			
.9350e+02	.9400e+02	0.	0.	0.	0.	0.
.8130e+02	.3750e+03	.1010e+06	.1830e+00			
.2000e+02	.2000e+02	0.	0.	0.	0.	0.
.4550e+02	.4560e+02	.3160e+06	.5890e+00			
.9100e+02	.9100e+02	0.	0.	0.	0.	0.
.1600e+03	.3180e+03	.2260e+06	.4420e+00			
.1600e+01	.1600e+01	0.	0.	0.	0.	0.
.1310e+02	.1840e+03	.1470e+05	.1590e-01			
.2100e+01	.2100e+01	0.	0.	0.	0.	0.
.3160e+02	.6980e+02	.4620e+05	.8470e-01			
.4950e+04	.4300e+05	.5000e+04	0.	0.	0.	0.
.2030e+03	.4260e+04	.2230e+06	.4030e+00			
.3550e+04	.6000e+04	0.	0.	0.	0.	0.
.2640e+03	.4680e+04	.2930e+06	.5420e+00			
.3250e+04	.3100e+05	.6000e+04	0.	0.	0.	0.
.7560e+02	.1600e+04	.8340e+05	.1490e+00			
.2100e+04	.3400e+04	0.	0.	0.	0.	0.
.5000e+02	.3980e+04	.3500e+05	.5610e-01			
.6700e+03	.6800e+03	0.	0.	0.	0.	0.
.2610e+03	.1920e+04	.3070e+06	.6060e+00			
.1130e+03	.2700e+03	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1650e+02	.3240e+03	.1810e+05	.3220e-01			
.9550e+02	.1100e+03	0.	0.	0.	0.	0.
.4830e+02	.3080e+03	.5740e+05	.9360e-01			
.2350e+03	.3600e+04	.5600e+04	0.	0.	0.	0.
.7840e+01	.1670e+03	.4980e+04	.7610e-02			
.1780e+02	.3400e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1400e+03	.1900e+03	.1000e+02	0.	0.	0.	0.
.2480e+02	.4260e+03	.2740e+05	.4390e-01			
.6200e+02	.6400e+02	0.	0.	0.	0.	0.
.3490e+02	.3260e+03	.4020e+05	.4970e-01			
.1710e+03	.6000e+04	.2240e+06	.3400e+06	.3000e+06	.2300e+06	.2000e+06
.2390e+00	.5020e+01	.2620e+03	.4250e-04			
.1590e+03	.5600e+04	.2240e+06	.3500e+06	.3400e+06	.2800e+06	.3000e+06
.1190e+00	.2490e+01	.1300e+03	.2170e-04			
.1640e+03	.5600e+04	.2240e+06	.3500e+06	.3500e+06	.2700e+06	.3000e+06
.2180e+00	.4570e+01	.2380e+03	.3890e-04			
.4200e-01	.6100e+01	.1790e+04	.5700e+04	.7500e+04	.8000e+04	.9000e+04
.1030e-04	.4520e-02	.2240e-01	.8530e-09			
.2650e+03	.7200e+04	.2430e+06	.3800e+06	.3600e+06	.3100e+06	.3000e+06
.1400e+02	.2950e+03	.1530e+05	.9330e-02			
.2030e+03	.3200e+04	.2900e+04	.1200e+04	.1200e+04	.1000e+04	.5000e+03
.2050e+00	.4250e+01	.2240e+03	.3890e-04			
.2010e+03	.6600e+04	.2030e+06	.2200e+06	.1500e+06	.1000e+06	.6000e+05
.3240e+01	.6810e+02	.3560e+04	.2810e-02			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

skelton						
.3300e+03	.2500e+04	.1000e+03	0.	0.	0.	0.
.1230e+03	.2500e+04	.1350e+06	.2410e+00			
.8000e+03	.1800e+05	.3000e+05	.2000e+04	0.	0.	0.
.3010e+03	.6270e+04	.3290e+06	.6390e+00			
.1500e+00	.1500e+00	0.	0.	0.	0.	0.
.2960e+00	.6240e+01	.3250e+03	.5780e-03			
.1900e+00	.1900e+00	0.	0.	0.	0.	0.
.1580e+02	.2220e+02	.3000e+05	.5500e-01			
.8300e+00	.8300e+00	0.	0.	0.	0.	0.
.1980e+02	.2000e+02	.9640e+05	.1970e+00			
.1800e+01	.1800e+01	0.	0.	0.	0.	0.
.1230e+03	.1440e+03	.2310e+06	.4940e+00			
.1700e+04	.6500e+04	0.	0.	0.	0.	0.
.1080e+02	.2020e+03	.1190e+05	.2270e-01			
.3000e+04	.3000e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3800e+04	.2600e+06	.1340e+07	.6000e+06	.2000e+06	.3000e+06	.1000e+06
0.	0.	0.	0.			
.2000e+03	.3400e+03	0.	0.	0.	0.	0.
.1020e+03	.2390e+03	.1040e+06	.1940e+00			
.8600e+03	.1000e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1200e+04	.1900e+05	0.	0.	0.	0.	0.
.3080e+00	.6240e+01	.3380e+03	.6530e-03			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2800e+03	.3300e+04	.1000e+03	0.	0.	0.	0.
.9440e+02	.2030e+04	.1040e+06	.1880e+00			
.1300e+03	.1300e+03	0.	0.	0.	0.	0.
.1680e+03	.6510e+03	.2530e+05	.4750e-01			
.2600e+03	.1200e+04	0.	0.	0.	0.	0.
.9150e+02	.1800e+04	.1010e+06	.1830e+00			
.1000e+03	.1100e+03	0.	0.	0.	0.	0.
.3130e+02	.4650e+03	.2690e+05	.4440e-01			
.1000e+02	.1000e+02	0.	0.	0.	0.	0.
.1740e+02	.2880e+02	.2910e+05	.5420e-01			
.1800e+03	.8800e+03	0.	0.	0.	0.	0.
.7160e+02	.1420e+04	.7810e+05	.1360e+00			
.1700e+02	.1700e+02	0.	0.	0.	0.	0.
.6450e+02	.9960e+02	.1220e+06	.2220e+00			
.1900e+03	.3400e+04	.2500e+04	0.	0.	0.	0.
.2660e+02	.5550e+03	.2900e+05	.5220e-01			
.1600e+02	.1600e+02	0.	0.	0.	0.	0.
.1280e+02	.8500e+02	.1520e+05	.2740e-01			
.5200e+01	.5200e+01	0.	0.	0.	0.	0.
.4530e+00	.1010e+01	.6600e+03	.1160e-02			
.1300e+03	.1800e+04	.2000e+03	0.	0.	0.	0.
.3810e+01	.8680e+02	.4020e+04	.1670e-02			
.1200e+01	.1200e+01	0.	0.	0.	0.	0.
.2410e+01	.2440e+01	.1270e+05	.1810e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2600e+03	.1400e+04	0.	0.	0.	0.	0.
.1410e+02	.3050e+03	.9150e+04	.9830e-02			
.2300e+03	.2500e+03	0.	0.	0.	0.	0.
.1720e+03	.1100e+04	.1940e+06	.3580e+00			
.8000e+03	.9100e+03	0.	0.	0.	0.	0.
.2170e+03	.3640e+04	.3870e+05	.7280e-01			
.2100e+03	.2600e+03	0.	0.	0.	0.	0.
.9100e+02	.1110e+04	.1020e+06	.1840e+00			
.3800e+02	.3900e+02	0.	0.	0.	0.	0.
.8300e+02	.1160e+03	.1600e+06	.2990e+00			
.1200e+03	.2100e+03	0.	0.	0.	0.	0.
.5450e+02	.8750e+03	.6030e+05	.1080e+00			
.4700e+02	.4700e+02	0.	0.	0.	0.	0.
.1130e+03	.1230e+03	.3290e+06	.5890e+00			
.9200e+02	.9200e+02	0.	0.	0.	0.	0.
.8130e+02	.3750e+03	.1010e+06	.1830e+00			
.1900e+02	.1900e+02	0.	0.	0.	0.	0.
.4570e+02	.4570e+02	.3160e+06	.5890e+00			
.8700e+02	.8700e+02	0.	0.	0.	0.	0.
.1620e+03	.3220e+03	.2300e+06	.4500e+00			
.3600e+00	.3600e+00	0.	0.	0.	0.	0.
.1300e+02	.1820e+03	.1450e+05	.1570e-01			
.7200e+00	.7200e+00	0.	0.	0.	0.	0.
.3170e+02	.6990e+02	.4620e+05	.8470e-01			
.2000e+04	.4200e+05	.5000e+04	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2030e+03	.4260e+04	.2230e+06	.4030e+00			
.2000e+04	.5900e+04	0.	0.	0.	0.	0.
.2650e+03	.4690e+04	.2930e+06	.5440e+00			
.1300e+04	.3100e+05	.5000e+04	0.	0.	0.	0.
.7590e+02	.1600e+04	.8370e+05	.1490e+00			
.2000e+04	.5200e+04	0.	0.	0.	0.	0.
.5030e+02	.4040e+04	.3500e+05	.5610e-01			
.6700e+03	.7000e+03	0.	0.	0.	0.	0.
.2660e+03	.1950e+04	.3120e+06	.6140e+00			
.6100e+02	.3200e+03	0.	0.	0.	0.	0.
.1650e+02	.3220e+03	.1810e+05	.3220e-01			
.7100e+02	.1100e+03	0.	0.	0.	0.	0.
.4790e+02	.3060e+03	.5700e+05	.9310e-01			
.2000e+03	.7200e+04	.1180e+05	0.	0.	0.	0.
.7820e+01	.1670e+03	.4950e+04	.7550e-02			
.2400e+02	.8600e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.8500e+02	.1900e+03	.4000e+02	.1000e+02	0.	0.	0.
.2460e+02	.4230e+03	.2720e+05	.4340e-01			
.4900e+02	.5400e+02	.2600e+02	.4000e+02	.4000e+02	.3000e+02	.4000e+02
.3490e+02	.3250e+03	.4010e+05	.4950e-01			
.3500e+05	.3400e+07	.1270e+09	.1900e+09	.1700e+09	.1400e+09	.1300e+09
.2260e+00	.4740e+01	.2480e+03	.4020e-04			
.3300e+05	.3100e+07	.1270e+09	.2000e+09	.1900e+09	.1800e+09	.1700e+09
.1110e+00	.2340e+01	.1220e+03	.2030e-04			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.3300e+05	.3200e+07	.1270e+09	.2000e+09	.1900e+09	.1800e+09	.1700e+09
.2050e+00	.4320e+01	.2250e+03	.3660e-04			
.1200e+01	.2700e+04	.9770e+06	.3120e+07	.4200e+07	.4700e+07	.4000e+07
.9460e-05	.4170e-02	.2070e-01	.7860e-09			
.3900e+05	.3600e+07	.1360e+09	.2100e+09	.2000e+09	.1800e+09	.1700e+09
.1300e+02	.2720e+03	.1420e+05	.8620e-02			
.4300e+05	.1800e+07	.1600e+07	.7000e+06	.7000e+06	.6000e+06	.4000e+06
.1930e+00	.4000e+01	.2120e+03	.3680e-04			
.4100e+05	.3700e+07	.1160e+09	.1300e+09	.8000e+08	.5000e+08	.4000e+08
.3070e+01	.6440e+02	.3360e+04	.2670e-02			
tecl						
.3300e+03	.2500e+04	.1000e+03	0.	0.	0.	0.
.1300e+03	.2640e+04	.1430e+06	.2530e+00			
.8000e+03	.1800e+05	.3000e+05	.2000e+04	0.	0.	0.
.3120e+03	.6540e+04	.3420e+06	.6640e+00			
.3700e+00	.3700e+00	0.	0.	0.	0.	0.
.3110e+00	.6540e+01	.3410e+03	.6080e-03			
.2800e+00	.2800e+00	0.	0.	0.	0.	0.
.1670e+02	.2360e+02	.3190e+05	.5860e-01			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.2050e+02	.2080e+02	.9990e+05	.2040e+00			
.2400e+01	.2400e+01	0.	0.	0.	0.	0.
.1270e+03	.1480e+03	.2400e+06	.5140e+00			
.1700e+04	.6500e+04	0.	0.	0.	0.	0.
.1150e+02	.2140e+03	.1270e+05	.2400e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.3200e+04	.3000e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3800e+04	.2400e+06	.1060e+07	.5000e+06	.2000e+06	.2000e+06	0.
0.	0.	0.	0.			
.2200e+03	.3700e+03	0.	0.	0.	0.	0.
.1070e+03	.2510e+03	.1100e+06	.2030e+00			
.8000e+03	.9700e+03	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1200e+04	.2000e+05	0.	0.	0.	0.	0.
.3140e+00	.6330e+01	.3440e+03	.6670e-03			
.2800e+03	.3300e+04	0.	0.	0.	0.	0.
.9980e+02	.2150e+04	.1100e+06	.1970e+00			
.1300e+03	.1300e+03	0.	0.	0.	0.	0.
.1750e+03	.6850e+03	.2640e+05	.4970e-01			
.2600e+03	.1200e+04	0.	0.	0.	0.	0.
.9710e+02	.1910e+04	.1070e+06	.1940e+00			
.1000e+03	.1100e+03	0.	0.	0.	0.	0.
.3320e+02	.4960e+03	.2850e+05	.4690e-01			
.1000e+02	.1000e+02	0.	0.	0.	0.	0.
.1870e+02	.3110e+02	.3140e+05	.5830e-01			
.1800e+03	.8800e+03	0.	0.	0.	0.	0.
.7530e+02	.1490e+04	.8230e+05	.1430e+00			
.1700e+02	.1700e+02	0.	0.	0.	0.	0.
.6780e+02	.1050e+03	.1290e+06	.2330e+00			
.1900e+03	.3400e+04	.2500e+04	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2790e+02	.5820e+03	.3060e+05	.5470e-01			
.1600e+02	.1600e+02	0.	0.	0.	0.	0.
.1370e+02	.9090e+02	.1610e+05	.2920e-01			
.5400e+01	.5400e+01	0.	0.	0.	0.	0.
.4770e+00	.1070e+01	.6930e+03	.1220e-02			
.1300e+03	.1900e+04	.1000e+03	0.	0.	0.	0.
.4670e+01	.1050e+03	.4950e+04	.2060e-02			
.1200e+01	.1200e+01	0.	0.	0.	0.	0.
.2560e+01	.2580e+01	.1350e+05	.1910e-01			
.2600e+03	.1400e+04	0.	0.	0.	0.	0.
.1510e+02	.3260e+03	.9810e+04	.1060e-01			
.2300e+03	.2500e+03	0.	0.	0.	0.	0.
.1810e+03	.1160e+04	.2030e+06	.3780e+00			
.8000e+03	.9100e+03	0.	0.	0.	0.	0.
.2290e+03	.3830e+04	.4130e+05	.7780e-01			
.2100e+03	.2600e+03	0.	0.	0.	0.	0.
.9540e+02	.1170e+04	.1080e+06	.1930e+00			
.3800e+02	.3900e+02	0.	0.	0.	0.	0.
.8710e+02	.1220e+03	.1690e+06	.3140e+00			
.1200e+03	.2100e+03	0.	0.	0.	0.	0.
.5730e+02	.9170e+03	.6370e+05	.1140e+00			
.4700e+02	.4700e+02	0.	0.	0.	0.	0.
.1190e+03	.1300e+03	.3460e+06	.6190e+00			
.9200e+02	.9200e+02	0.	0.	0.	0.	0.
.8540e+02	.3950e+03	.1060e+06	.1920e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1900e+02	.1900e+02	0.	0.	0.	0.	0.
.4810e+02	.4820e+02	.3340e+06	.6190e+00			
.8700e+02	.8700e+02	0.	0.	0.	0.	0.
.1680e+03	.3340e+03	.2370e+06	.4640e+00			
.9200e+00	.9200e+00	0.	0.	0.	0.	0.
.1430e+02	.2010e+03	.1600e+05	.1740e-01			
.1300e+01	.1300e+01	0.	0.	0.	0.	0.
.3370e+02	.7420e+02	.4910e+05	.9030e-01			
.2000e+04	.4200e+05	.5000e+04	0.	0.	0.	0.
.2140e+03	.4490e+04	.2350e+06	.4250e+00			
.2000e+04	.5900e+04	0.	0.	0.	0.	0.
.2800e+03	.4950e+04	.3090e+06	.5750e+00			
.1300e+04	.3100e+05	.5000e+04	0.	0.	0.	0.
.7940e+02	.1680e+04	.8760e+05	.1560e+00			
.2100e+04	.5500e+04	0.	0.	0.	0.	0.
.5260e+02	.4180e+04	.3690e+05	.5920e-01			
.6800e+03	.7100e+03	0.	0.	0.	0.	0.
.2740e+03	.2010e+04	.3210e+06	.6330e+00			
.6100e+02	.3200e+03	0.	0.	0.	0.	0.
.1790e+02	.3500e+03	.1960e+05	.3500e-01			
.7200e+02	.1100e+03	0.	0.	0.	0.	0.
.5140e+02	.3280e+03	.6110e+05	.9940e-01			
.1900e+03	.6700e+04	.1130e+05	0.	0.	0.	0.
.8410e+01	.1790e+03	.5400e+04	.8250e-02			
.2600e+02	.9300e+02	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

0.	0.	0.	0.			
.8600e+02	.1900e+03	.4000e+02	0.	0.	0.	0.
.2640e+02	.4540e+03	.2930e+05	.4670e-01			
.4800e+02	.5200e+02	0.	0.	0.	0.	0.
.3740e+02	.3490e+03	.4300e+05	.5310e-01			
.6300e+02	.6000e+04	.2240e+06	.3400e+06	.3000e+06	.2300e+06	.3000e+06
.2790e+00	.5870e+01	.3060e+03	.4940e-04			
.5900e+02	.5600e+04	.2240e+06	.3500e+06	.3400e+06	.2800e+06	.3000e+06
.1370e+00	.2880e+01	.1500e+03	.2500e-04			
.5900e+02	.5700e+04	.2240e+06	.3600e+06	.3400e+06	.3700e+06	.3000e+06
.2530e+00	.5320e+01	.2780e+03	.4500e-04			
.5900e-01	.1100e+02	.1990e+04	.6000e+04	.8000e+04	.8000e+04	.9000e+04
.1110e-04	.4880e-02	.2430e-01	.9220e-09			
.9900e+02	.7300e+04	.2530e+06	.3900e+06	.3500e+06	.4000e+06	.3000e+06
.1520e+02	.3190e+03	.1660e+05	.1010e-01			
.7600e+02	.3200e+04	.2900e+04	.1300e+04	.1100e+04	.1000e+04	.5000e+03
.2410e+00	.4990e+01	.2640e+03	.4580e-04			
.7400e+02	.6600e+04	.2030e+06	.2300e+06	.1500e+06	.9000e+05	.6000e+05
.3500e+01	.7350e+02	.3830e+04	.3030e-02			
st wall						
.9600e+03	.5100e+04	.1000e+03	0.	0.	0.	0.
.9530e+02	.1940e+04	.1040e+06	.1860e+00			
.2300e+04	.3700e+05	.6000e+05	.3000e+04	0.	0.	0.
.2510e+03	.5260e+04	.2750e+06	.5330e+00			
.1800e+00	.1800e+00	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2430e+00	.5100e+01	.2660e+03	.4750e-03			
.2200e+00	.2200e+00	0.	0.	0.	0.	0.
.6800e+01	.9580e+01	.1300e+05	.2380e-01			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1690e+02	.1710e+02	.8200e+05	.1680e+00			
.2100e+01	.2100e+01	0.	0.	0.	0.	0.
.1060e+03	.1230e+03	.1990e+06	.4250e+00			
.2200e+04	.7000e+04	0.	0.	0.	0.	0.
.8310e+01	.1550e+03	.9200e+04	.1740e-01			
.8700e+03	.1800e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.8900e+03	.6100e+04	.2100e+04	.2000e+03	0.	0.	0.
0.	0.	0.	0.			
.6200e+03	.6800e+03	0.	0.	0.	0.	0.
.8240e+02	.1940e+03	.8380e+05	.1560e+00			
.1400e+04	.1400e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1100e+04	.1600e+04	0.	0.	0.	0.	0.
.2740e+00	.5520e+01	.3000e+03	.5810e-03			
.9300e+03	.5700e+04	.1000e+03	0.	0.	0.	0.
.7480e+02	.1610e+04	.8170e+05	.1480e+00			
.1800e+04	.1800e+04	0.	0.	0.	0.	0.
.1370e+03	.5340e+03	.2060e+05	.3890e-01			
.7600e+03	.2300e+04	0.	0.	0.	0.	0.
.7010e+02	.1380e+04	.7700e+05	.1400e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.8500e+03	.8600e+03	0.	0.	0.	0.	0.
.2090e+02	.2660e+03	.2070e+05	.3420e-01			
.2700e+02	.2700e+02	0.	0.	0.	0.	0.
.6250e+01	.1040e+02	.1050e+05	.1960e-01			
.6600e+03	.1900e+04	0.	0.	0.	0.	0.
.5830e+02	.1160e+04	.6400e+05	.1110e+00			
.3200e+03	.3200e+03	0.	0.	0.	0.	0.
.4920e+02	.7320e+02	.9370e+05	.1700e+00			
.3200e+04	.7600e+04	.3400e+04	0.	0.	0.	0.
.2150e+02	.4500e+03	.2360e+05	.4250e-01			
.2700e+03	.2700e+03	0.	0.	0.	0.	0.
.5560e+01	.3700e+02	.6580e+04	.1190e-01			
.1600e+03	.1600e+03	0.	0.	0.	0.	0.
.3570e+00	.7980e+00	.5180e+03	.9140e-03			
.5200e+03	.1500e+04	0.	0.	0.	0.	0.
.1070e+01	.2850e+02	.1050e+04	.4390e-03			
.5700e+02	.5700e+02	0.	0.	0.	0.	0.
.1820e+01	.1840e+01	.9550e+04	.1360e-01			
.1200e+04	.1800e+04	0.	0.	0.	0.	0.
.1040e+02	.2260e+03	.6680e+04	.7190e-02			
.1000e+04	.1000e+04	0.	0.	0.	0.	0.
.1260e+03	.8170e+03	.1440e+06	.2660e+00			
.2200e+04	.2400e+04	0.	0.	0.	0.	0.
.1610e+03	.2780e+04	.1660e+05	.3110e-01			
.1100e+04	.1200e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.7150e+02	.8780e+03	.8060e+05	.1450e+00			
.4300e+03	.4300e+03	0.	0.	0.	0.	0.
.6530e+02	.9150e+02	.1270e+06	.2360e+00			
.2400e+03	.2800e+03	0.	0.	0.	0.	0.
.4330e+02	.6920e+03	.4800e+05	.8580e-01			
.3700e+03	.3700e+03	0.	0.	0.	0.	0.
.9060e+02	.9940e+02	.2650e+06	.4750e+00			
.3900e+03	.3900e+03	0.	0.	0.	0.	0.
.6680e+02	.2960e+03	.8310e+05	.1510e+00			
.2700e+03	.2700e+03	0.	0.	0.	0.	0.
.3580e+02	.3580e+02	.2480e+06	.4610e+00			
.4200e+03	.4200e+03	0.	0.	0.	0.	0.
.1340e+03	.2520e+03	.1940e+06	.3810e+00			
.4000e+00	.4000e+00	0.	0.	0.	0.	0.
.4440e+01	.6240e+02	.4970e+04	.5390e-02			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1440e+02	.3170e+02	.2090e+05	.3860e-01			
.2500e+04	.4800e+05	.6000e+04	0.	0.	0.	0.
.1620e+03	.3390e+04	.1770e+06	.3220e+00			
.2500e+04	.6900e+04	0.	0.	0.	0.	0.
.1920e+03	.3400e+04	.2120e+06	.3940e+00			
.1600e+04	.3300e+05	.7000e+04	0.	0.	0.	0.
.6180e+02	.1310e+04	.6820e+05	.1220e+00			
.9600e+03	.1500e+04	0.	0.	0.	0.	0.
.3950e+02	.3360e+04	.2630e+05	.4190e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1700e+04	.1700e+04	0.	0.	0.	0.	0.
.2250e+03	.1650e+04	.2640e+06	.5190e+00			
.4200e+03	.5900e+03	0.	0.	0.	0.	0.
.5890e+01	.1150e+03	.6470e+04	.1150e-01			
.7800e+03	.7900e+03	0.	0.	0.	0.	0.
.2700e+02	.1720e+03	.3210e+05	.5220e-01			
.2600e+04	.4000e+04	.8000e+03	0.	0.	0.	0.
.4500e+01	.9690e+02	.1740e+04	.2650e-02			
.6100e+03	.6200e+03	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.6500e+03	.7300e+03	0.	0.	0.	0.	0.
.1520e+02	.2620e+03	.1690e+05	.2690e-01			
.5200e+03	.5300e+03	0.	0.	0.	0.	0.
.1400e+02	.1310e+03	.1610e+05	.1990e-01			
.1200e+04	.7200e+04	.2230e+06	.3400e+06	.3000e+06	.2300e+06	.2000e+06
.3520e-01	.7380e+00	.3850e+02	.6220e-05			
.1100e+04	.6700e+04	.2230e+06	.3500e+06	.3400e+06	.2800e+06	.3000e+06
.2110e-01	.4420e+00	.2300e+02	.3860e-05			
.1100e+04	.6800e+04	.2230e+06	.3500e+06	.3500e+06	.2700e+06	.3000e+06
.3440e-01	.7230e+00	.3780e+02	.6140e-05			
.1100e+02	.1700e+02	.1780e+04	.5600e+04	.7600e+04	.8000e+04	.8000e+04
.3050e-05	.1350e-02	.6680e-02	.2540e-09			
.1300e+04	.8200e+04	.2420e+06	.3700e+06	.3600e+06	.3200e+06	.3000e+06
.4180e+01	.8780e+02	.4570e+04	.2780e-02			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1300e+04	.4500e+04	.2900e+04	.1300e+04	.1100e+04	.1200e+04	.1000e+04
.2760e-01	.5710e+00	.3020e+02	.5250e-05			
.1300e+04	.7900e+04	.2020e+06	.2300e+06	.1400e+06	.1000e+06	.6000e+05
.1030e+01	.2160e+02	.1130e+04	.8920e-03			
si+cont						
.1900e+04	.2800e+04	0.	0.	0.	0.	0.
.8430e+02	.1710e+04	.9290e+05	.1640e+00			
.4700e+04	.1200e+05	.1300e+05	.1000e+04	0.	0.	0.
.2170e+03	.4560e+04	.2380e+06	.4640e+00			
.1800e+00	.1800e+00	0.	0.	0.	0.	0.
.1760e+00	.3680e+01	.1920e+03	.3420e-03			
.2300e+00	.2300e+00	0.	0.	0.	0.	0.
.7330e+01	.1030e+02	.1400e+05	.2570e-01			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1410e+02	.1420e+02	.6820e+05	.1400e+00			
.2200e+01	.2200e+01	0.	0.	0.	0.	0.
.9180e+02	.1070e+03	.1720e+06	.3670e+00			
.1800e+04	.6600e+04	0.	0.	0.	0.	0.
.7670e+01	.1430e+03	.8450e+04	.1600e-01			
.1200e+04	.2200e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1200e+04	.6400e+04	.2100e+04	.1000e+03	.1000e+03	0.	0.
0.	0.	0.	0.			
.9600e+03	.1000e+04	0.	0.	0.	0.	0.
.6510e+02	.1520e+03	.6860e+05	.1270e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.3200e+04	.3300e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.2700e+04	.3300e+04	.1000e+03	0.	0.	0.	0.
.2270e+00	.4580e+01	.2490e+03	.4810e-03			
.2000e+04	.3200e+04	0.	0.	0.	0.	0.
.6170e+02	.1330e+04	.6750e+05	.1220e+00			
.3900e+04	.3900e+04	0.	0.	0.	0.	0.
.1010e+03	.3930e+03	.1700e+05	.3190e-01			
.1600e+04	.1900e+04	0.	0.	0.	0.	0.
.6470e+02	.1270e+04	.7110e+05	.1290e+00			
.1900e+04	.1900e+04	0.	0.	0.	0.	0.
.1700e+02	.2260e+03	.1620e+05	.2670e-01			
.1100e+02	.1100e+02	0.	0.	0.	0.	0.
.6250e+01	.1040e+02	.1050e+05	.1950e-01			
.1400e+04	.1700e+04	0.	0.	0.	0.	0.
.4220e+02	.8360e+03	.4630e+05	.8030e-01			
.4900e+03	.4900e+03	0.	0.	0.	0.	0.
.3750e+02	.5710e+02	.7120e+05	.1290e+00			
.7400e+04	.1000e+05	.3000e+04	0.	0.	0.	0.
.1580e+02	.3300e+03	.1730e+05	.3110e-01			
.5900e+03	.5900e+03	0.	0.	0.	0.	0.
.5990e+01	.3990e+02	.7090e+04	.1280e-01			
.2400e+03	.2400e+03	0.	0.	0.	0.	0.
.2630e+00	.5870e+00	.3810e+03	.6720e-03			
.9500e+03	.2400e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.5160e+00	.1530e+02	.4740e+03	.1970e-03			
.3800e+02	.3800e+02	0.	0.	0.	0.	0.
.1390e+01	.1410e+01	.7320e+04	.1040e-01			
.2200e+04	.2700e+04	0.	0.	0.	0.	0.
.7700e+01	.1670e+03	.4780e+04	.5140e-02			
.1700e+04	.1700e+04	0.	0.	0.	0.	0.
.1140e+03	.7230e+03	.1300e+06	.2400e+00			
.1500e+04	.1500e+04	0.	0.	0.	0.	0.
.1340e+03	.2290e+04	.1760e+05	.3310e-01			
.2400e+04	.2500e+04	0.	0.	0.	0.	0.
.5480e+02	.6730e+03	.6180e+05	.1110e+00			
.6500e+03	.6500e+03	0.	0.	0.	0.	0.
.5690e+02	.7960e+02	.1100e+06	.2060e+00			
.9600e+02	.1300e+03	0.	0.	0.	0.	0.
.3170e+02	.5080e+03	.3530e+05	.6280e-01			
.8700e+02	.8700e+02	0.	0.	0.	0.	0.
.7340e+02	.8040e+02	.2140e+06	.3830e+00			
.1200e+03	.1200e+03	0.	0.	0.	0.	0.
.5060e+02	.2250e+03	.6300e+05	.1140e+00			
.4600e+02	.4600e+02	0.	0.	0.	0.	0.
.3170e+02	.3170e+02	.2200e+06	.4080e+00			
.1300e+03	.1300e+03	0.	0.	0.	0.	0.
.1140e+03	.2170e+03	.1660e+06	.3250e+00			
.4200e+00	.4200e+00	0.	0.	0.	0.	0.
.4090e+01	.5750e+02	.4580e+04	.4970e-02			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1500e+02	.3300e+02	.2180e+05	.4000e-01			
.2500e+04	.5200e+05	.7000e+04	0.	0.	0.	0.
.1320e+03	.2770e+04	.1450e+06	.2620e+00			
.2600e+04	.7500e+04	0.	0.	0.	0.	0.
.1770e+03	.3140e+04	.1960e+06	.3640e+00			
.1500e+04	.3500e+05	.7000e+04	0.	0.	0.	0.
.4470e+02	.9440e+03	.4920e+05	.8780e-01			
.1600e+04	.2300e+04	0.	0.	0.	0.	0.
.3100e+02	.2770e+04	.1980e+05	.3170e-01			
.3600e+04	.3600e+04	0.	0.	0.	0.	0.
.1880e+03	.1380e+04	.2210e+06	.4360e+00			
.1000e+04	.1100e+04	0.	0.	0.	0.	0.
.5800e+01	.1140e+03	.6380e+04	.1140e-01			
.1800e+04	.1800e+04	0.	0.	0.	0.	0.
.2450e+02	.1560e+03	.2910e+05	.4750e-01			
.6700e+04	.7400e+04	.4000e+03	0.	0.	0.	0.
.3870e+01	.8310e+02	.1670e+04	.2550e-02			
.1500e+04	.1500e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1600e+04	.1600e+04	0.	0.	0.	0.	0.
.1180e+02	.2030e+03	.1310e+05	.2090e-01			
.1200e+04	.1200e+04	0.	0.	0.	0.	0.
.1460e+02	.1360e+03	.1680e+05	.2080e-01			
.2900e+04	.9000e+04	.2310e+06	.3300e+06	.3000e+06	.2300e+06	.2000e+06

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1540e-01	.3230e+00	.1680e+02	.2730e-05			
.2700e+04	.8400e+04	.2220e+06	.3500e+06	.3400e+06	.2800e+06	.3000e+06
.9990e-02	.2100e+00	.1090e+02	.1830e-05			
.2700e+04	.8500e+04	.2210e+06	.3600e+06	.3400e+06	.2700e+06	.3000e+06
.1680e-01	.3520e+00	.1840e+02	.3000e-05			
.2700e+02	.3500e+02	.1760e+04	.5600e+04	.7600e+04	.8000e+04	.8000e+04
.2110e-05	.9280e-03	.4620e-02	.1750e-09			
.3100e+04	.9700e+04	.2400e+06	.3700e+06	.3600e+06	.3200e+06	.3000e+06
.2880e+01	.6060e+02	.3150e+04	.1920e-02			
.3200e+04	.6500e+04	.2800e+04	.1700e+04	.1000e+04	.1000e+04	.1000e+04
.9920e-02	.2050e+00	.1090e+02	.1880e-05			
.3100e+04	.9800e+04	.2000e+06	.2300e+06	.1500e+06	.9000e+05	.6000e+05
.8240e+00	.1730e+02	.9020e+03	.7140e-03			
uli wall						
.3400e+04	.4500e+04	0.	0.	0.	0.	0.
.9730e+02	.1980e+04	.1070e+06	.1900e+00			
.8500e+04	.1800e+05	.1700e+05	.1000e+04	0.	0.	0.
.2730e+03	.5730e+04	.3000e+06	.5830e+00			
.1800e+00	.1800e+00	0.	0.	0.	0.	0.
.1890e+00	.3960e+01	.2070e+03	.3690e-03			
.2300e+00	.2300e+00	0.	0.	0.	0.	0.
.7540e+01	.1060e+02	.1440e+05	.2640e-01			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1900e+02	.1930e+02	.9200e+05	.1890e+00			
.2200e+01	.2200e+01	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1330e+03	.1550e+03	.2510e+06	.5360e+00			
.2100e+04	.6900e+04	0.	0.	0.	0.	0.
.8950e+01	.1670e+03	.9900e+04	.1870e-01			
.4900e+04	.5800e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.4200e+04	.9400e+04	.2600e+04	0.	0.	0.	0.
0.	0.	0.	0.			
.2400e+04	.2400e+04	0.	0.	0.	0.	0.
.7380e+02	.1730e+03	.7920e+05	.1470e+00			
.1700e+05	.1700e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1600e+05	.1800e+05	0.	0.	0.	0.	0.
.3010e+00	.6060e+01	.3300e+03	.6390e-03			
.5500e+04	.7400e+04	0.	0.	0.	0.	0.
.6960e+02	.1510e+04	.7600e+05	.1370e+00			
.1300e+05	.1300e+05	0.	0.	0.	0.	0.
.1100e+03	.4290e+03	.2050e+05	.3860e-01			
.3200e+04	.3600e+04	0.	0.	0.	0.	0.
.7550e+02	.1490e+04	.8300e+05	.1510e+00			
.8600e+04	.8600e+04	0.	0.	0.	0.	0.
.1830e+02	.2380e+03	.1780e+05	.2920e-01			
.1300e+02	.1300e+02	0.	0.	0.	0.	0.
.6120e+01	.1020e+02	.1020e+05	.1910e-01			
.4100e+04	.4500e+04	0.	0.	0.	0.	0.
.4540e+02	.9000e+03	.4980e+05	.8640e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1100e+04	.1100e+04	0.	0.	0.	0.	0.
.4050e+02	.6140e+02	.7690e+05	.1390e+00			
.4200e+05	.4700e+05	.3000e+04	0.	0.	0.	0.
.1710e+02	.3580e+03	.1880e+05	.3390e-01			
.2500e+04	.2500e+04	0.	0.	0.	0.	0.
.6160e+01	.4100e+02	.7290e+04	.1320e-01			
.7300e+03	.7300e+03	0.	0.	0.	0.	0.
.2820e+00	.6300e+00	.4090e+03	.7220e-03			
.5500e+04	.9900e+04	0.	0.	0.	0.	0.
.6880e+00	.1920e+02	.6560e+03	.2730e-03			
.2600e+02	.2600e+02	0.	0.	0.	0.	0.
.1530e+01	.1540e+01	.8020e+04	.1140e-01			
.1200e+05	.1300e+05	0.	0.	0.	0.	0.
.8410e+01	.1830e+03	.5220e+04	.5610e-02			
.4900e+04	.5000e+04	0.	0.	0.	0.	0.
.1350e+03	.8530e+03	.1550e+06	.2860e+00			
.3100e+04	.3200e+04	0.	0.	0.	0.	0.
.1530e+03	.2620e+04	.1810e+05	.3420e-01			
.1000e+05	.1000e+05	0.	0.	0.	0.	0.
.6000e+02	.7360e+03	.6760e+05	.1210e+00			
.1300e+04	.1300e+04	0.	0.	0.	0.	0.
.6700e+02	.9370e+02	.1310e+06	.2420e+00			
.1700e+03	.2000e+03	0.	0.	0.	0.	0.
.3410e+02	.5450e+03	.3780e+05	.6750e-01			
.9800e+02	.9800e+02	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.8450e+02	.9260e+02	.2470e+06	.4420e+00			
.2300e+03	.2300e+03	0.	0.	0.	0.	0.
.5670e+02	.2520e+03	.7060e+05	.1280e+00			
.3700e+02	.3700e+02	0.	0.	0.	0.	0.
.3720e+02	.3730e+02	.2580e+06	.4810e+00			
.2100e+03	.2100e+03	0.	0.	0.	0.	0.
.1420e+03	.2680e+03	.2110e+06	.4140e+00			
.4200e+00	.4200e+00	0.	0.	0.	0.	0.
.4120e+01	.5790e+02	.4620e+04	.5000e-02			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1540e+02	.3410e+02	.2250e+05	.4140e-01			
.2500e+04	.5200e+05	.6000e+04	0.	0.	0.	0.
.1500e+03	.3130e+04	.1640e+06	.2970e+00			
.2500e+04	.7300e+04	0.	0.	0.	0.	0.
.2080e+03	.3670e+04	.2300e+06	.4250e+00			
.1600e+04	.3500e+05	.6000e+04	0.	0.	0.	0.
.4810e+02	.1020e+04	.5300e+05	.9440e-01			
.4900e+04	.5500e+04	0.	0.	0.	0.	0.
.3600e+02	.3490e+04	.2120e+05	.3390e-01			
.1100e+05	.1100e+05	0.	0.	0.	0.	0.
.2410e+03	.1770e+04	.2820e+06	.5580e+00			
.5200e+04	.5300e+04	0.	0.	0.	0.	0.
.5710e+01	.1120e+03	.6270e+04	.1120e-01			
.7600e+04	.7600e+04	0.	0.	0.	0.	0.
.2650e+02	.1690e+03	.3140e+05	.5110e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.3900e+05	.4200e+05	.1000e+04	0.	0.	0.	0.
.4680e+01	.1010e+03	.1660e+04	.2530e-02			
.8700e+04	.8800e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.7800e+04	.7800e+04	0.	0.	0.	0.	0.
.1250e+02	.2150e+03	.1380e+05	.2210e-01			
.5600e+04	.5600e+04	0.	0.	0.	0.	0.
.1480e+02	.1380e+03	.1700e+05	.2100e-01			
.1700e+05	.2400e+05	.2260e+06	.3400e+06	.2900e+06	.2200e+06	.3000e+06
.1630e-01	.3430e+00	.1790e+02	.2890e-05			
.1600e+05	.2200e+05	.2280e+06	.3500e+06	.3300e+06	.3700e+06	.2000e+06
.1150e-01	.2410e+00	.1250e+02	.2100e-05			
.1600e+05	.2300e+05	.2270e+06	.3500e+06	.3400e+06	.3600e+06	.3000e+06
.1770e-01	.3730e+00	.1940e+02	.3170e-05			
.1600e+03	.1800e+03	.1820e+04	.5600e+04	.7400e+04	.8000e+04	.8000e+04
.2340e-05	.1030e-02	.5120e-02	.1940e-09			
.1800e+05	.2600e+05	.2440e+06	.3700e+06	.3600e+06	.3000e+06	.3000e+06
.3200e+01	.6730e+02	.3500e+04	.2130e-02			
.1900e+05	.2300e+05	.2000e+04	.2000e+04	.1000e+04	.1000e+04	.1000e+04
.1080e-01	.2230e+00	.1180e+02	.2040e-05			
.1800e+05	.2600e+05	.2040e+06	.2300e+06	.1400e+06	.1000e+06	.6000e+05
.8670e+00	.1820e+02	.9460e+03	.7500e-03			
lli wall						
.4280e+04	.4650e+04	0.	0.	0.	0.	0.
.7270e+02	.1480e+04	.7970e+05	.1420e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1010e+05	.1230e+05	.3920e+04	0.	0.	0.	0.
.2170e+03	.4540e+04	.2370e+06	.4610e+00			
.6120e-01	.6120e-010	0.	0.	0.	0.	0.
.1760e+00	.3680e+01	.1920e+03	.3420e-03			
.9460e-01	.9460e-010	0.	0.	0.	0.	0.
.5760e+01	.8110e+01	.1100e+05	.2020e-01			
.8100e+00	.8100e+00	0.	0.	0.	0.	0.
.1440e+02	.1460e+02	.6990e+05	.1430e+00			
.2070e+01	.2070e+01	0.	0.	0.	0.	0.
.9500e+02	.1110e+03	.1790e+06	.3830e+00			
.1400e+04	.3900e+04	0.	0.	0.	0.	0.
.6390e+01	.1190e+03	.7040e+04	.1330e-01			
.6860e+04	.6860e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.9100e+04	.1300e+05	.1300e+04	0.	0.	0.	0.
0.	0.	0.	0.			
.1430e+04	.1480e+04	0.	0.	0.	0.	0.
.6240e+02	.1470e+03	.6470e+05	.1210e+00			
.2600e+05	.2600e+05	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.2300e+05	.2600e+05	0.	0.	0.	0.	0.
.2540e+00	.5120e+01	.2790e+03	.5390e-03			
.3920e+04	.4480e+04	0.	0.	0.	0.	0.
.5580e+02	.1200e+04	.6110e+05	.1100e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1100e+05	.1100e+05	0.	0.	0.	0.	0.
.1010e+03	.3920e+03	.1680e+05	.3170e-01			
.3110e+04	.3240e+04	0.	0.	0.	0.	0.
.5390e+02	.1060e+04	.5920e+05	.1070e+00			
.7400e+04	.7770e+04	0.	0.	0.	0.	0.
.1560e+02	.2020e+03	.1520e+05	.2520e-01			
.6930e+01	.6930e+01	0.	0.	0.	0.	0.
.5060e+01	.8400e+01	.8470e+04	.1580e-01			
.2000e+04	.2200e+04	0.	0.	0.	0.	0.
.4220e+02	.8360e+03	.4630e+05	.8030e-01			
.4920e+03	.4920e+03	0.	0.	0.	0.	0.
.3620e+02	.5430e+02	.6890e+05	.1250e+00			
.8880e+05	.9620e+05	.7400e+04	0.	0.	0.	0.
.1570e+02	.3280e+03	.1720e+05	.3080e-01			
.4080e+03	.4080e+03	0.	0.	0.	0.	0.
.4710e+01	.3130e+02	.5570e+04	.1010e-01			
.1790e+03	.1790e+03	0.	0.	0.	0.	0.
.2590e+00	.5800e+00	.3770e+03	.6640e-03			
.3570e+04	.5040e+04	0.	0.	0.	0.	0.
.3860e+00	.1260e+02	.3330e+03	.1380e-03			
.2560e+01	.2560e+01	0.	0.	0.	0.	0.
.1330e+01	.1340e+01	.6980e+04	.9920e-02			
.1500e+05	.1670e+05	0.	0.	0.	0.	0.
.7460e+01	.1620e+03	.4700e+04	.5060e-02			
.5350e+04	.5350e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1010e+03	.6490e+03	.1160e+06	.2140e+00			
.3300e+04	.3350e+04	0.	0.	0.	0.	0.
.1250e+03	.2140e+04	.1380e+05	.2610e-01			
.9100e+04	.9100e+04	0.	0.	0.	0.	0.
.5260e+02	.6460e+03	.5930e+05	.1060e+00			
.4860e+03	.4860e+03	0.	0.	0.	0.	0.
.5120e+02	.7170e+02	.9990e+05	.1850e+00			
.7260e+02	.7920e+02	0.	0.	0.	0.	0.
.3140e+02	.5030e+03	.3490e+05	.6220e-01			
.4440e+02	.4440e+02	0.	0.	0.	0.	0.
.6930e+02	.7600e+02	.2020e+06	.3640e+00			
.1520e+03	.1520e+03	0.	0.	0.	0.	0.
.5030e+02	.2220e+03	.6250e+05	.1130e+00			
.1720e+02	.1720e+02	0.	0.	0.	0.	0.
.2800e+02	.2800e+02	.1940e+06	.3610e+00			
.1080e+03	.1080e+03	0.	0.	0.	0.	0.
.1160e+03	.2170e+03	.1710e+06	.3330e+00			
.1300e+00	.1300e+00	0.	0.	0.	0.	0.
.3280e+01	.4610e+02	.3670e+04	.3970e-02			
.4850e+00	.4850e+00	0.	0.	0.	0.	0.
.1200e+02	.2640e+02	.1740e+05	.3190e-01			
.2100e+04	.3970e+05	.5250e+04	0.	0.	0.	0.
.1220e+03	.2550e+04	.1330e+06	.2410e+00			
.2320e+04	.6390e+04	0.	0.	0.	0.	0.
.1530e+03	.2710e+04	.1690e+06	.3140e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.9120e+03	.1730e+05	.2880e+04	0.	0.	0.	0.
.4460e+02	.9440e+03	.4920e+05	.8780e-01			
.7840e+04	.7840e+04	0.	0.	0.	0.	0.
.3130e+02	.2900e+04	.1920e+05	.3080e-01			
.1070e+05	.1070e+05	0.	0.	0.	0.	0.
.1980e+03	.1460e+04	.2320e+06	.4580e+00			
.1200e+04	.1200e+04	0.	0.	0.	0.	0.
.4680e+01	.9170e+02	.5140e+04	.9170e-02			
.5760e+04	.5760e+04	0.	0.	0.	0.	0.
.2090e+02	.1330e+03	.2480e+05	.4060e-01			
.8520e+05	.8520e+05	.7100e+04	0.	0.	0.	0.
.3690e+01	.7960e+02	.1350e+04	.2060e-02			
.6750e+04	.6750e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3990e+04	.4180e+04	0.	0.	0.	0.	0.
.1110e+02	.1910e+03	.1240e+05	.1970e-01			
.1040e+04	.1040e+04	0.	0.	0.	0.	0.
.1170e+02	.1090e+03	.1340e+05	.1660e-01			
.5000e+04	.6100e+04	.2290e+05	.3400e+05	.3000e+05	.2700e+05	.2000e+05
.7960e-01	.1670e+01	.8710e+02	.1410e-04			
.4600e+04	.5600e+04	.2240e+05	.3500e+05	.3400e+05	.3300e+05	.3000e+05
.3290e-01	.6910e+00	.3600e+02	.6030e-05			
.4700e+04	.5700e+04	.2330e+05	.3500e+05	.3400e+05	.3200e+05	.3000e+05
.7110e-01	.1490e+01	.7790e+02	.1270e-04			
0.	0.	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1980e-05	.8720e-03	.4330e-02	.1640e-09			
.5200e+04	.6400e+04	.2460e+05	.3700e+05	.3200e+05	.4000e+05	.3000e+05
.2710e+01	.5690e+02	.2960e+04	.1800e-02			
.5500e+04	.6100e+04	.3000e+03	.2000e+03	.1000e+03	.1000e+03	.1000e+03
.6920e-01	.1430e+01	.7590e+02	.1310e-04			
.5200e+04	.6400e+04	.2060e+05	.2300e+05	.1500e+05	.9000e+04	.6000e+04
.7270e+00	.1530e+02	.7950e+03	.6280e-03			
thyroid						
.1100e+03	.3200e+04	.1000e+03	0.	0.	0.	0.
.8700e+02	.1780e+04	.9640e+05	.1710e+00			
.2400e+03	.2100e+05	.3700e+05	.1000e+04	.1000e+04	0.	0.
.2510e+03	.5280e+04	.2730e+06	.5330e+00			
.1800e+00	.1800e+00	0.	0.	0.	0.	0.
.2550e+00	.5380e+01	.2800e+03	.5000e-03			
.2000e+00	.2000e+00	0.	0.	0.	0.	0.
.1000e+02	.1400e+02	.1890e+05	.3500e-01			
.9700e+00	.9700e+00	0.	0.	0.	0.	0.
.1770e+02	.1790e+02	.8580e+05	.1740e+00			
.2000e+01	.2000e+01	0.	0.	0.	0.	0.
.1080e+03	.1260e+03	.2020e+06	.4310e+00			
.5000e+03	.6500e+04	0.	0.	0.	0.	0.
.7300e+01	.1370e+03	.8060e+04	.1540e-01			
.2600e+03	.1500e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+03	.5900e+04	.2100e+04	.2000e+03	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

0.	0.	0.	0.			
.1300e+03	.2000e+03	0.	0.	0.	0.	0.
.8300e+02	.1950e+03	.8320e+05	.1540e+00			
.8200e+01	.2100e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.7100e+01	.3900e+03	0.	0.	0.	0.	0.
.2930e+00	.5940e+01	.3220e+03	.6220e-03			
.7900e+02	.3500e+04	.1000e+03	0.	0.	0.	0.
.7240e+02	.1540e+04	.7880e+05	.1430e+00			
.7700e+02	.8600e+02	0.	0.	0.	0.	0.
.1440e+03	.5580e+03	.2110e+05	.3940e-01			
.8100e+02	.1300e+04	0.	0.	0.	0.	0.
.6230e+02	.1220e+04	.6830e+05	.1220e+00			
.9400e+02	.1500e+03	0.	0.	0.	0.	0.
.2420e+02	.3460e+03	.2150e+05	.3560e-01			
.4600e+02	.4600e+02	0.	0.	0.	0.	0.
.1180e+02	.1970e+02	.1990e+05	.3720e-01			
.5200e+02	.9600e+03	0.	0.	0.	0.	0.
.6140e+02	.1220e+04	.6710e+05	.1170e+00			
.1400e+02	.1500e+02	0.	0.	0.	0.	0.
.5260e+02	.8010e+02	.1010e+06	.1820e+00			
.4800e+02	.3600e+04	.2700e+04	0.	0.	0.	0.
.2270e+02	.4760e+03	.2480e+05	.4470e-01			
.6400e+01	.9900e+01	0.	0.	0.	0.	0.
.8200e+01	.5450e+02	.9640e+04	.1730e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2900e+01	.3000e+01	0.	0.	0.	0.	0.
.3830e+00	.8600e+00	.5590e+03	.9810e-03			
.1600e+02	.2100e+03	0.	0.	0.	0.	0.
.2660e+01	.6200e+02	.2790e+04	.1150e-02			
.8100e+00	.8100e+00	0.	0.	0.	0.	0.
.1960e+01	.1980e+01	.1020e+05	.1470e-01			
.4300e+02	.3900e+03	0.	0.	0.	0.	0.
.1160e+02	.2500e+03	.7620e+04	.8170e-02			
.4500e+04	.9500e+05	0.	0.	0.	0.	0.
.1240e+03	.8100e+03	.1410e+06	.2610e+00			
.4800e+05	.9700e+05	0.	0.	0.	0.	0.
.1680e+03	.2850e+04	.2440e+05	.4580e-01			
.1000e+03	.2200e+03	0.	0.	0.	0.	0.
.7430e+02	.9200e+03	.8320e+05	.1500e+00			
.3700e+02	.3800e+02	0.	0.	0.	0.	0.
.6150e+02	.8700e+02	.1200e+06	.2250e+00			
.1300e+06	.1100e+07	0.	0.	0.	0.	0.
.4650e+02	.7370e+03	.5150e+05	.9170e-01			
.6600e+04	.6600e+04	0.	0.	0.	0.	0.
.9000e+02	.9900e+02	.2640e+06	.4720e+00			
.1200e+06	.1800e+06	0.	0.	0.	0.	0.
.6970e+02	.3150e+03	.8670e+05	.1560e+00			
.1100e+04	.1100e+04	0.	0.	0.	0.	0.
.3330e+02	.3340e+02	.2300e+06	.4280e+00			
.4300e+05	.4400e+05	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1380e+03	.2660e+03	.1980e+06	.3890e+00			
.3900e+00	.4000e+00	0.	0.	0.	0.	0.
.8900e+01	.1250e+03	.9900e+04	.1070e-01			
.9100e+00	.9100e+00	0.	0.	0.	0.	0.
.2050e+02	.4520e+02	.2980e+05	.5470e-01			
.5800e+03	.4300e+05	.5000e+04	0.	0.	0.	0.
.1590e+03	.3310e+04	.1730e+06	.3140e+00			
.6900e+03	.6000e+04	0.	0.	0.	0.	0.
.1860e+03	.3280e+04	.2050e+06	.3810e+00			
.3600e+03	.3100e+05	.5000e+04	0.	0.	0.	0.
.6540e+02	.1380e+04	.7170e+05	.1280e+00			
.2200e+03	.1200e+04	0.	0.	0.	0.	0.
.4270e+02	.3550e+04	.2880e+05	.4610e-01			
.1500e+03	.2300e+03	0.	0.	0.	0.	0.
.2370e+03	.1740e+04	.2770e+06	.5470e+00			
.6000e+01	.9200e+02	0.	0.	0.	0.	0.
.1130e+02	.2200e+03	.1240e+05	.2220e-01			
.1800e+02	.2500e+02	0.	0.	0.	0.	0.
.3290e+02	.2100e+03	.3900e+05	.6360e-01			
.5100e+01	.3500e+03	.2600e+03	0.	0.	0.	0.
.6060e+01	.1300e+03	.3370e+04	.5140e-02			
.9300e-01	.1000e+01	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1200e+02	.6900e+02	.1000e+01	0.	0.	0.	0.
.1910e+02	.3280e+03	.2110e+05	.3360e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.8200e+01	.1500e+02	0.	0.	0.	0.	0.
.2270e+02	.2110e+03	.2600e+05	.3220e-01			
.1800e+02	.5900e+04	.2240e+06	.3400e+06	.2900e+06	.2400e+06	.2000e+06
.4400e-01	.9200e+00	.4820e+02	.7780e-05			
.1600e+02	.5600e+04	.2240e+06	.3500e+06	.3400e+06	.2800e+06	.3000e+06
.3200e-01	.6900e+00	.3590e+02	.6000e-05			
.1600e+02	.5600e+04	.2240e+06	.3500e+06	.3400e+06	.2800e+06	.3000e+06
.4500e-01	.9500e+00	.4910e+02	.7780e-05			
.1700e-02	.5300e+01	.1690e+04	.5700e+04	.7600e+04	.8000e+04	.8000e+04
.4800e-05	.2120e-02	.1060e-01	.4000e-09			
.2000e+02	.6500e+04	.2430e+06	.3700e+06	.3500e+06	.3300e+06	.3000e+06
.6600e+01	.1380e+03	.7270e+04	.4390e-02			
.2100e+02	.3200e+04	.2800e+04	.1300e+04	.1200e+04	.1000e+04	.5000e+03
.3200e-01	.6600e+00	.3590e+02	.6110e-05			
.2000e+02	.6600e+04	.2030e+06	.2200e+06	.1500e+06	.1000e+06	.6000e+05
.1740e+01	.3590e+02	.1890e+04	.1500e-02			
other						
.2400e+03	.3400e+04	0.	0.	0.	0.	0.
.1400e+03	.2860e+04	.1540e+06	.2750e+00			
.5800e+03	.2400e+05	.4000e+05	.2000e+04	.1000e+04	0.	0.
.3310e+03	.6960e+04	.3630e+06	.7060e+00			
.3100e+00	.3100e+00	0.	0.	0.	0.	0.
.2960e+00	.6230e+01	.3250e+03	.5810e-03			
.2600e+00	.2600e+00	0.	0.	0.	0.	0.
.1260e+02	.1780e+02	.2410e+05	.4430e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.2200e+02	.2220e+02	.1070e+06	.2180e+00			
.2300e+01	.2300e+01	0.	0.	0.	0.	0.
.1410e+03	.1640e+03	.2640e+06	.5640e+00			
.5000e+03	.6500e+04	0.	0.	0.	0.	0.
.1280e+02	.2380e+03	.1410e+05	.2670e-01			
.2600e+03	.1500e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+03	.5900e+04	.2100e+04	.2000e+03	0.	0.	0.
0.	0.	0.	0.			
.1500e+03	.2200e+03	0.	0.	0.	0.	0.
.1080e+03	.2520e+03	.1120e+06	.2100e+00			
.2000e+02	.5200e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+02	.9700e+03	.1000e+02	0.	0.	0.	0.
.3210e+00	.6480e+01	.3520e+03	.6810e-03			
.1900e+03	.3700e+04	.1000e+03	0.	0.	0.	0.
.1030e+03	.2240e+04	.1130e+06	.2040e+00			
.1700e+03	.1800e+03	0.	0.	0.	0.	0.
.1680e+03	.6580e+03	.2690e+05	.5060e-01			
.1900e+03	.1500e+04	0.	0.	0.	0.	0.
.1080e+03	.2120e+04	.1190e+06	.2150e+00			
.6200e+02	.1100e+03	0.	0.	0.	0.	0.
.2930e+02	.3950e+03	.2780e+05	.4570e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.8200e+01	.8200e+01	0.	0.	0.	0.	0.
.1130e+02	.1880e+02	.1890e+05	.3530e-01			
.1200e+03	.1100e+04	0.	0.	0.	0.	0.
.7280e+02	.1450e+04	.7810e+05	.1360e+00			
.2400e+02	.2500e+02	0.	0.	0.	0.	0.
.6330e+02	.9670e+02	.1200e+06	.2170e+00			
.7700e+02	.3700e+04	.2800e+04	0.	0.	0.	0.
.2660e+02	.5560e+03	.2920e+05	.5250e-01			
.1500e+02	.2100e+02	0.	0.	0.	0.	0.
.1030e+02	.6850e+02	.1210e+05	.2190e-01			
.4900e+01	.5100e+01	0.	0.	0.	0.	0.
.4480e+00	.1000e+01	.6480e+03	.1140e-02			
.3100e+02	.4700e+03	0.	0.	0.	0.	0.
.5750e+01	.1260e+03	.6160e+04	.2560e-02			
.1300e+01	.1300e+01	0.	0.	0.	0.	0.
.2520e+01	.2540e+01	.1320e+05	.1870e-01			
.7900e+02	.7400e+03	0.	0.	0.	0.	0.
.1500e+02	.3240e+03	.9850e+04	.1060e-01			
.2200e+03	.3300e+03	0.	0.	0.	0.	0.
.1870e+03	.1190e+04	.2120e+06	.3950e+00			
.5000e+03	.1000e+04	0.	0.	0.	0.	0.
.2240e+03	.3810e+04	.3070e+05	.5770e-01			
.1700e+03	.3300e+03	0.	0.	0.	0.	0.
.9240e+02	.1130e+04	.1050e+06	.1880e+00			
.4900e+02	.5000e+02	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.9280e+02	.1300e+03	.1800e+06	.3370e+00			
.8500e+02	.2700e+03	0.	0.	0.	0.	0.
.5390e+02	.8570e+03	.5970e+05	.1070e+00			
.5400e+02	.5400e+02	0.	0.	0.	0.	0.
.1220e+03	.1330e+03	.3560e+06	.6360e+00			
.9700e+02	.1000e+03	0.	0.	0.	0.	0.
.8370e+02	.3800e+03	.1040e+06	.1870e+00			
.2200e+02	.2200e+02	0.	0.	0.	0.	0.
.5200e+02	.5210e+02	.3600e+06	.6720e+00			
.1000e+03	.1000e+03	0.	0.	0.	0.	0.
.1720e+03	.3340e+03	.2490e+06	.4890e+00			
.6600e+00	.6900e+00	0.	0.	0.	0.	0.
.1040e+02	.1460e+03	.1170e+05	.1260e-01			
.1200e+01	.1200e+01	0.	0.	0.	0.	0.
.2570e+02	.5680e+02	.3770e+05	.6920e-01			
.5700e+03	.4100e+05	.5000e+04	0.	0.	0.	0.
.2200e+03	.4610e+04	.2420e+06	.4370e+00			
.6700e+03	.5800e+04	0.	0.	0.	0.	0.
.2920e+03	.5160e+04	.3220e+06	.6000e+00			
.3600e+03	.3000e+05	.6000e+04	0.	0.	0.	0.
.7540e+02	.1610e+04	.8390e+05	.1490e+00			
.3200e+03	.1400e+04	0.	0.	0.	0.	0.
.5060e+02	.4210e+04	.3430e+05	.5500e-01			
.3900e+03	.5800e+03	0.	0.	0.	0.	0.
.2800e+03	.2050e+04	.3290e+06	.6470e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2200e+02	.1800e+03	0.	0.	0.	0.	0.
.1110e+02	.2180e+03	.1230e+05	.2190e-01			
.5400e+02	.7800e+02	0.	0.	0.	0.	0.
.4470e+02	.2850e+03	.5310e+05	.8640e-01			
.2700e+02	.1500e+04	.1900e+04	0.	0.	0.	0.
.6910e+01	.1480e+03	.3570e+04	.5440e-02			
.1200e+01	.1300e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3900e+02	.1400e+03	.1000e+02	0.	0.	0.	0.
.2250e+02	.3870e+03	.2490e+05	.3980e-01			
.2900e+02	.4700e+02	.1000e+01	.1000e+01.	.1000e+01	0.	0.
.2710e+02	.2530e+03	.3120e+05	.3840e-01			
.1900e+03	.1900e+06	.4610e+07	.4100e+07	.3100e+07	.3000e+07	.2000e+07
.2380e+01	.5000e+02	.2610e+04	.4220e-03			
.1800e+03	.1800e+06	.4520e+07	.4300e+07	.4000e+07	.3000e+07	.3000e+07
.9040e+00	.1900e+02	.9890e+03	.1650e-03			
.1800e+03	.1800e+06	.4520e+07	.4400e+07	.3900e+07	.3000e+07	.3000e+07
.2040e+01	.4290e+02	.2230e+04	.3620e-03			
.1800e-01	.1600e+03	.3080e+05	.6300e+05	.7600e+05	.7000e+05	.6000e+05
.8010e-05	.3530e-02	.1760e-01	.6660e-09			
.2200e+03	.2000e+06	.4800e+07	.4600e+07	.3400e+07	.4000e+07	.2000e+07
.1100e+02	.2300e+03	.1200e+05	.7280e-02			
.2300e+03	.9200e+05	.7800e+05	.2000e+05	.1000e+05	.1000e+05	.1000e+05
.2170e+01	.4490e+02	.2380e+04	.4120e-03			
.2200e+03	.2100e+06	.4190e+07	.2800e+07	.1600e+07	.9000e+06	.3000e+06

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2330e+01	.4890e+02	.2550e+04	.2020e-02			
w body						
.2800e+03	.4100e+04	.1000e+03	0.	0.	0.	0.
.1100e+03	.2240e+04	.1200e+06	.2160e+00			
.6800e+03	.3000e+05	.4900e+05	.2000e+04	.1000e+04	0.	0.
.2820e+03	.5880e+04	.3070e+06	.6000e+00			
.3100e+00	.3100e+00	0.	0.	0.	0.	0.
.2420e+00	.5050e+01	.2660e+03	.4750e-03			
.2600e+00	.2600e+00	0.	0.	0.	0.	0.
.1040e+02	.1470e+02	.1980e+05	.3640e-01			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1810e+02	.1830e+02	.8760e+05	.1810e+00			
.2300e+01	.2300e+01	0.	0.	0.	0.	0.
.1170e+03	.1350e+03	.2180e+06	.4670e+00			
.6000e+03	.6600e+04	0.	0.	0.	0.	0.
.9890e+01	.1850e+03	.1090e+05	.2070e-01			
.4200e+03	.4100e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3100e+03	.2800e+05	.1120e+06	.5000e+05	.2000e+05	.2000e+05	.1000e+05
0.	0.	0.	0.			
.2200e+03	.3100e+03	0.	0.	0.	0.	0.
.8730e+02	.2050e+03	.9110e+05	.1690e+00			
.4100e+03	.7800e+03	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.3400e+03	.5600e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2940e+00	.5910e+01	.3220e+03	.6250e-03			
.2700e+03	.5500e+04	.1000e+03	0.	0.	0.	0.
.8180e+02	.1770e+04	.9020e+05	.1620e+00			
.4600e+03	.5200e+03	0.	0.	0.	0.	0.
.1390e+03	.5380e+03	.2240e+05	.4220e-01			
.2300e+03	.1900e+04	0.	0.	0.	0.	0.
.8340e+02	.1640e+04	.9200e+05	.1660e+00			
.2400e+03	.4200e+03	0.	0.	0.	0.	0.
.2380e+02	.3250e+03	.2230e+05	.3640e-01			
.9800e+01	.9800e+01	0.	0.	0.	0.	0.
.9700e+01	.1620e+02	.1640e+05	.3060e-01			
.1900e+03	.1900e+04	0.	0.	0.	0.	0.
.5860e+02	.1160e+04	.6450e+05	.1110e+00			
.6300e+02	.6600e+02	0.	0.	0.	0.	0.
.5190e+02	.7940e+02	.9900e+05	.1790e+00			
.8300e+03	.4000e+05	.2200e+05	0.	0.	0.	0.
.2180e+02	.4560e+03	.2390e+05	.4310e-01			
.6900e+02	.9600e+02	0.	0.	0.	0.	0.
.8500e+01	.5670e+02	.9990e+04	.1820e-01			
.3300e+02	.3400e+02	0.	0.	0.	0.	0.
.3660e+00	.8130e+00	.5280e+03	.9360e-03			
.1400e+03	.2300e+04	.1000e+03	0.	0.	0.	0.
.2530e+01	.5840e+02	.2640e+04	.1100e-02			
.9800e+01	.9800e+01	0.	0.	0.	0.	0.
.1970e+01	.1980e+01	.1020e+05	.1470e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.3400e+03	.3000e+04	0.	0.	0.	0.	0.
.1140e+02	.2460e+03	.7310e+04	.7830e-02			
.3500e+03	.5500e+03	0.	0.	0.	0.	0.
.1500e+03	.9600e+03	.1700e+06	.3140e+00			
.7000e+03	.1500e+04	0.	0.	0.	0.	0.
.1810e+03	.3080e+04	.2520e+05	.4750e-01			
.3600e+03	.7900e+03	0.	0.	0.	0.	0.
.7510e+02	.9200e+03	.8500e+05	.1510e+00			
.1000e+03	.1100e+03	0.	0.	0.	0.	0.
.7460e+02	.1040e+03	.1450e+06	.2680e+00			
.1500e+03	.6000e+03	0.	0.	0.	0.	0.
.4410e+02	.7080e+03	.4910e+05	.8720e-01			
.7000e+02	.7000e+02	0.	0.	0.	0.	0.
.9800e+02	.1070e+03	.2860e+06	.5110e+00			
.1800e+03	.2000e+03	0.	0.	0.	0.	0.
.6870e+02	.3110e+03	.8500e+05	.1540e+00			
.3000e+02	.3000e+02	0.	0.	0.	0.	0.
.4120e+02	.4140e+02	.2860e+06	.5330e+00			
.1500e+03	.1500e+03	0.	0.	0.	0.	0.
.1490e+03	.2850e+03	.2150e+06	.4190e+00			
.6600e+00	.7000e+00	0.	0.	0.	0.	0.
.7500e+01	.1050e+03	.8410e+04	.9060e-02			
.1200e+01	.1200e+01	0.	0.	0.	0.	0.
.2120e+02	.4620e+02	.3090e+05	.5670e-01			
.6100e+03	.4100e+05	.6000e+04	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1760e+03	.3690e+04	.1930e+06	.3500e+00			
.7100e+03	.5900e+04	0.	0.	0.	0.	0.
.2320e+03	.4100e+04	.2570e+06	.4780e+00			
.4000e+03	.3000e+05	.6000e+04	0.	0.	0.	0.
.6170e+02	.1310e+04	.6830e+05	.1220e+00			
.4400e+03	.1900e+04	0.	0.	0.	0.	0.
.4230e+02	.3650e+04	.2770e+05	.4440e-01			
.6200e+03	.9200e+03	0.	0.	0.	0.	0.
.2450e+03	.1800e+04	.2870e+06	.5670e+00			
.1200e+03	.1100e+04	0.	0.	0.	0.	0.
.9300e+01	.1820e+03	.1020e+05	.1830e-01			
.2100e+03	.3400e+03	0.	0.	0.	0.	0.
.3510e+02	.2240e+03	.4160e+05	.6810e-01			
.7200e+03	.3200e+05	.1500e+05	0.	0.	0.	0.
.5630e+01	.1200e+03	.2810e+04	.4310e-02			
.1600e+03	.8200e+03	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+03	.7600e+03	.3000e+02	0.	0.	0.	0.
.1770e+02	.3050e+03	.1960e+05	.3140e-01			
.1400e+03	.2400e+03	0.	.1000e+02	0.	0.	0.
.2170e+02	.2020e+03	.2490e+05	.3080e-01			
.2000e+05	.2200e+07	.1580e+08	.1700e+08	.1500e+08	.1200e+08	.1100e+08
.2970e+00	.6200e+01	.3250e+03	.5250e-04			
.1800e+05	.2000e+07	.1500e+08	.1800e+08	.1700e+08	.1600e+08	.1400e+08
.1260e+00	.2630e+01	.1370e+03	.2300e-04			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1800e+05	.2100e+07	.1590e+08	.1800e+08	.1600e+08	.1600e+08	.1500e+08
.2600e+00	.5470e+01	.2860e+03	.4640e-04			
.2900e+01	.1200e+04	.9880e+05	.2800e+06	.3700e+06	.3500e+06	.4000e+06
.4960e-05	.2210e-02	.1090e-01	.4170e-09			
.2000e+05	.2200e+07	.1680e+08	.1900e+08	.1700e+08	.1600e+08	.1500e+08
.6900e+01	.1430e+03	.7530e+04	.4560e-02			
.2200e+05	.1300e+07	.3000e+06	.1000e+06	.1000e+06	0.	.1000e+06
.2640e+00	.5460e+01	.2890e+03	.5000e-04			
.2100e+05	.2300e+07	.1470e+08	.1100e+08	.8000e+07	.4000e+07	.3000e+07
.1650e+01	.3460e+02	.1800e+04	.1420e-02			
testes						
.9100e+02	.3900e+03	.1000e+02	0.	0.	0.	0.
.1030e+03	.2090e+04	.1130e+06	.2010e+00			
.2000e+03	.2100e+04	.4000e+04	.2000e+03	.1000e+03	0.	0.
.2300e+03	.4800e+04	.2510e+06	.4890e+00			
.1800e+00	.1800e+00	0.	0.	0.	0.	0.
.2690e+00	.5660e+01	.2960e+03	.5280e-03			
.2000e+00	.2000e+00	0.	0.	0.	0.	0.
.1350e+02	.1910e+02	.2590e+05	.4780e-01			
.9900e+00	.9900e+00	0.	0.	0.	0.	0.
.1320e+02	.1340e+02	.6450e+05	.1320e+00			
.2100e+01	.2100e+01	0.	0.	0.	0.	0.
.7000e+02	.8100e+02	.1320e+06	.2830e+00			
.5000e+03	.6500e+04	0.	0.	0.	0.	0.
.8990e+01	.1660e+03	.9810e+04	.1870e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2600e+03	.1500e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+03	.5900e+04	.2100e+04	.2000e+03	0.	0.	0.
0.	0.	0.	0.			
.1300e+03	.2000e+03	0.	0.	0.	0.	0.
.8790e+02	.2070e+03	.8840e+05	.1640e+00			
.8200e+01	.2100e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.7100e+01	.3800e+03	.1000e+02	0.	0.	0.	0.
.2210e+00	.4440e+01	.2420e+03	.4670e-03			
.6900e+02	.3300e+03	0.	0.	0.	0.	0.
.8130e+02	.1760e+04	.8960e+05	.1610e+00			
.5500e+02	.6400e+02	0.	0.	0.	0.	0.
.1500e+03	.5890e+03	.2040e+05	.3860e-01			
.7100e+02	.2500e+03	0.	0.	0.	0.	0.
.7590e+02	.1490e+04	.8330e+05	.1520e+00			
.2500e+02	.4200e+02	0.	0.	0.	0.	0.
.2490e+02	.3320e+03	.2390e+05	.3920e-01			
.5300e+01	.5300e+01	0.	0.	0.	0.	0.
.9110e+01	.1510e+02	.1520e+05	.2840e-01			
.5100e+02	.2400e+03	0.	0.	0.	0.	0.
.6530e+02	.1300e+04	.7100e+05	.1240e+00			
.5000e+01	.5500e+01	0.	0.	0.	0.	0.
.5720e+02	.8910e+02	.1090e+06	.1970e+00			
.4700e+02	.2300e+04	.1900e+04	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2380e+02	.4970e+03	.2610e+05	.4690e-01			
.6300e+01	.9800e+01	0.	0.	0.	0.	0.
.1110e+02	.7370e+02	.1320e+05	.2360e-01			
.2800e+01	.2900e+01	0.	0.	0.	0.	0.
.4100e+00	.9140e+00	.5950e+03	.1050e-02			
.1600e+02	.2000e+03	0.	0.	0.	0.	0.
.3420e+01	.7770e+02	.3600e+04	.1500e-02			
.5800e+00	.5800e+00	0.	0.	0.	0.	0.
.2150e+01	.2170e+01	.1130e+05	.1610e-01			
.4100e+02	.3300e+03	0.	0.	0.	0.	0.
.1260e+02	.2740e+03	.8270e+04	.8860e-02			
.8300e+02	.1200e+03	0.	0.	0.	0.	0.
.1360e+03	.8860e+03	.1530e+06	.2850e+00			
.3100e+03	.5900e+03	0.	0.	0.	0.	0.
.1840e+03	.3080e+04	.3250e+05	.6140e-01			
.8900e+02	.1700e+03	0.	0.	0.	0.	0.
.8070e+02	.9950e+03	.9090e+05	.1630e+00			
.2200e+02	.2200e+02	0.	0.	0.	0.	0.
.6760e+02	.9570e+02	.1320e+06	.2470e+00			
.5000e+02	.8600e+02	0.	0.	0.	0.	0.
.4940e+02	.7850e+03	.5490e+05	.9750e-01			
.3700e+02	.3700e+02	0.	0.	0.	0.	0.
.9600e+02	.1050e+03	.2800e+06	.5030e+00			
.7000e+02	.7200e+02	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.7150e+02	.3220e+03	.8880e+05	.1620e+00			
.1400e+02	.1400e+02	0.	0.	0.	0.	0.
.3750e+02	.3760e+02	.2600e+06	.4830e+00			
.6600e+02	.6600e+02	0.	0.	0.	0.	0.
.1250e+03	.2520e+03	.1730e+06	.3390e+00			
.3800e+00	.3800e+00	0.	0.	0.	0.	0.
.7620e+01	.1080e+03	.8520e+04	.9280e-02			
.9000e+00	.9000e+00	0.	0.	0.	0.	0.
.2740e+02	.6040e+02	.4000e+05	.7360e-01			
.6100e+03	.5000e+05	.6000e+04	0.	0.	0.	0.
.1760e+03	.3670e+04	.1930e+06	.3500e+00			
.6700e+03	.6600e+04	0.	0.	0.	0.	0.
.2160e+03	.3820e+04	.2380e+06	.4440e+00			
.3700e+03	.3400e+05	.6000e+04	0.	0.	0.	0.
.6850e+02	.1460e+04	.7630e+05	.1350e+00			
.2400e+03	.1200e+04	0.	0.	0.	0.	0.
.4250e+02	.3110e+04	.3150e+05	.5060e-01			
.1200e+03	.1900e+03	0.	0.	0.	0.	0.
.1990e+03	.1460e+04	.2330e+06	.4580e+00			
.6500e+01	.1700e+02	0.	0.	0.	0.	0.
.8860e+01	.1730e+03	.9670e+04	.1740e-01			
.1600e+02	.2300e+02	0.	0.	0.	0.	0.
.4070e+02	.2590e+03	.4840e+05	.7890e-01			
.5500e+01	.1100e+03	.1600e+03	0.	0.	0.	0.
.4790e+01	.1030e+03	.2730e+04	.4170e-02			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.9300e-01	.1000e+01	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1200e+02	.2600e+02	0.	0.	0.	0.	0.
.1940e+02	.3340e+03	.2150e+05	.3420e-01			
.8500e+01	.1400e+02	0.		.1000e+01	0.	0.
.2520e+02	.2350e+03	.2900e+05	.3580e-01			
.6300e+02	.2100e+05	.8090e+06	.1170e+07	.1100e+07	.9000e+06	.8000e+06
.2360e+00	.4970e+01	.2600e+03	.4190e-04			
.5900e+02	.2000e+05	.7900e+06	.1290e+07	.1200e+07	.1100e+07	.1100e+07
.1060e+00	.2230e+01	.1160e+03	.1940e-04			
.5900e+02	.2000e+05	.8000e+06	.1280e+07	.1200e+07	.1200e+07	.1000e+07
.2080e+00	.4380e+01	.2290e+03	.3700e-04			
.6200e-02	.1900e+02	.6280e+04	.1970e+05	.2700e+05	.2900e+05	.2800e+05
.4380e-05	.1940e-02	.9610e-02	.3650e-09			
.7000e+02	.2300e+05	.8570e+06	.1320e+07	.1300e+07	.1200e+07	.1000e+07
.6000e+01	.1260e+03	.6610e+04	.3980e-02			
.7500e+02	.1200e+05	.1000e+05	.4000e+04	.4000e+04	.4000e+04	.3000e+04
.2100e+00	.4350e+01	.2300e+03	.3990e-04			
.7100e+02	.2400e+05	.7260e+06	.8500e+06	.5000e+06	.3000e+06	.3000e+06
.1470e+01	.3080e+02	.1610e+04	.1270e-02			
ovaries						
.9700e+03	.2300e+04	0.	0.	0.	0.	0.
.6370e+02	.1290e+04	.7010e+05	.1220e+00			
.2100e+04	.8500e+04	.8500e+04	.1000e+04	0.	0.	0.
.2240e+03	.4700e+04	.2440e+06	.4780e+00			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.1800e+00	.1800e+00	0.	0.	0.	0.	0.
.8900e-01	.1860e+01	.9720e+02	.1720e-03			
.2300e+00	.2300e+00	0.	0.	0.	0.	0.
.5700e+01	.8020e+01	.1080e+05	.1980e-01			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1490e+02	.1510e+02	.7220e+05	.1490e+00			
.2300e+01	.2300e+01	0.	0.	0.	0.	0.
.1140e+03	.1340e+03	.2160e+06	.4640e+00			
.5000e+03	.6500e+04	0.	0.	0.	0.	0.
.6090e+01	.1130e+03	.6660e+04	.1260e-01			
.2600e+03	.1500e+04	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+03	.5900e+04	.2100e+04	.2000e+03	0.	0.	0.
0.	0.	0.	0.			
.2300e+03	.3000e+03	0.	0.	0.	0.	0.
.4460e+02	.1020e+03	.5110e+05	.9440e-01			
.8200e+01	.2100e+02	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.9500e+01	.3900e+03	.1000e+02	0.	0.	0.	0.
.2740e+00	.5480e+01	.3000e+03	.5830e-03			
.7800e+03	.2300e+04	0.	0.	0.	0.	0.
.4120e+02	.9000e+03	.4530e+05	.8170e-01			
.6100e+03	.6900e+03	0.	0.	0.	0.	0.
.5600e+02	.2180e+03	.1490e+05	.2780e-01			
.7800e+03	.1600e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.5090e+02	.1010e+04	.5620e+05	.1020e+00			
.2100e+03	.3400e+03	0.	0.	0.	0.	0.
.1030e+02	.1410e+03	.9720e+04	.1580e-01			
.8600e+01	.8600e+01	0.	0.	0.	0.	0.
.4150e+01	.6800e+01	.6920e+04	.1290e-01			
.5300e+03	.1200e+04	0.	0.	0.	0.	0.
.2150e+02	.4200e+03	.2350e+05	.4080e-01			
.5600e+02	.5900e+02	0.	0.	0.	0.	0.
.2100e+02	.3280e+02	.3940e+05	.7190e-01			
.2400e+03	.2800e+04	.2000e+04	0.	0.	0.	0.
.8500e+01	.1770e+03	.9290e+04	.1670e-01			
.5900e+02	.7900e+02	0.	0.	0.	0.	0.
.4640e+01	.3080e+02	.5510e+04	.9860e-02			
.3400e+01	.3500e+01	0.	0.	0.	0.	0.
.1380e+00	.3120e+00	.2010e+03	.3530e-03			
.3400e+02	.2500e+03	0.	0.	0.	0.	0.
.9100e+00	.2100e+02	.9460e+03	.3920e-03			
.7900e+00	.7900e+00	0.	0.	0.	0.	0.
.8400e+00	.8400e+00	.4380e+04	.6190e-02			
.1000e+03	.4600e+03	0.	0.	0.	0.	0.
.4500e+01	.9800e+02	.2700e+04	.2940e-02			
.5800e+03	.7600e+03	0.	0.	0.	0.	0.
.9800e+02	.6030e+03	.1120e+06	.2090e+00			
.5400e+03	.9700e+03	0.	0.	0.	0.	0.
.9900e+02	.1660e+04	.1380e+05	.2580e-01			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.5300e+03	.8800e+03	0.	0.	0.	0.	0.
.3150e+02	.3920e+03	.3590e+05	.6440e-01			
.7800e+02	.7900e+02	0.	0.	0.	0.	0.
.4570e+02	.6450e+02	.8940e+05	.1670e+00			
.6300e+02	.1000e+03	0.	0.	0.	0.	0.
.1640e+02	.2640e+03	.1840e+05	.3250e-01			
.4300e+02	.4300e+02	0.	0.	0.	0.	0.
.5340e+02	.5860e+02	.1550e+06	.2780e+00			
.7700e+02	.8000e+02	0.	0.	0.	0.	0.
.3230e+02	.1440e+03	.4040e+05	.7250e-01			
.1700e+02	.1700e+02	0.	0.	0.	0.	0.
.2560e+02	.2570e+02	.1780e+06	.3310e+00			
.8300e+02	.8300e+02	0.	0.	0.	0.	0.
.1160e+03	.2170e+03	.1770e+06	.3470e+00			
.4200e+00	.4300e+00	0.	0.	0.	0.	0.
.3080e+01	.4360e+02	.3450e+04	.3720e-02			
.1000e+01	.1000e+01	0.	0.	0.	0.	0.
.1130e+02	.2480e+02	.1650e+05	.3000e-01			
.5800e+03	.4400e+05	.5000e+04	0.	0.	0.	0.
.8900e+02	.1870e+04	.9810e+05	.1750e+00			
.6500e+03	.5900e+04	0.	0.	0.	0.	0.
.1490e+03	.2640e+04	.1650e+06	.3060e+00			
.3600e+03	.3100e+05	.6000e+04	0.	0.	0.	0.
.2270e+02	.4800e+03	.2470e+05	.4440e-01			
.6000e+03	.1900e+04	0.	0.	0.	0.	0.

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2400e+02	.2830e+04	.1080e+05	.1750e-01			
.1100e+04	.1600e+04	0.	0.	0.	0.	0.
.2030e+03	.1490e+04	.2370e+06	.4690e+00			
.1100e+03	.2000e+03	0.	0.	0.	0.	0.
.3920e+01	.7700e+02	.4300e+04	.7670e-02			
.2300e+03	.3000e+03	0.	0.	0.	0.	0.
.1800e+02	.1150e+03	.2140e+05	.3500e-01			
.6000e+02	.2400e+03	.1800e+03	0.	0.	0.	0.
.3540e+01	.7610e+02	.1170e+04	.1790e-02			
.9300e-01	.1000e+01	0.	0.	0.	0.	0.
0.	0.	0.	0.			
.1800e+03	.3100e+03	0.	0.	0.	0.	0.
.7100e+01	.1200e+03	.7710e+04	.1250e-01			
.1300e+03	.1900e+03	0.	0.	0.	0.	0.
.1080e+02	.1000e+03	.1240e+05	.1540e-01			
.2200e+02	.6800e+04	.2630e+06	.3800e+06	.3400e+06	.3100e+06	.2000e+06
.3320e-01	.7020e+00	.3640e+02	.5920e-05			
.1900e+02	.6400e+04	.2540e+06	.4000e+06	.3400e+06	.4000e+06	.3000e+06
.2020e-01	.4250e+00	.2220e+02	.3690e-05			
.2100e+02	.6400e+04	.2540e+06	.4100e+06	.4300e+06	.3000e+06	.4000e+06
.3220e-01	.6770e+00	.3510e+02	.5720e-05			
.2200e-02	.6000e+01	.1990e+04	.6400e+04	.8600e+04	.9000e+04	.9000e+04
.2970e-05	.1300e-02	.6460e-02	.2460e-09			
.7300e+02	.7400e+04	.2730e+06	.4300e+06	.3900e+06	.4000e+06	.3000e+06
.4060e+01	.8520e+02	.4450e+04	.2690e-02			

Table 2A-16 File 21 Dose Conversion File (NUREG/CR-2326, pg 4–3) (Continued)

.2600e+02	.3700e+04	.3200e+04	.1500e+04	.1300e+04	.1300e+04	.1000e+04
.2690e-01	.5590e+00	.2950e+02	.5110e-05			
.2500e+02	.7500e+04	.2320e+06	.2600e+06	.1700e+06	.1100e+06	.6000e+05
.8900e+00	.1870e+02	.9720e+03	.7720e-03			