TABLE 2

OF

APPENDIX II

TABLE 2 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
Exposure Rate Summary (All Sampled Grids)
PAGE 1

REPRESENTATIVE AREA (Micro-R/Hr)				TOTAL # OF	HOT SPOT DATA			5m x 5m GRID	
GRID #	SURFACE	1 METER	% CONCRETE	HOT SPOTS	#	SURFACE	1 METER	AVE@1m	MAX@1m
1	6	6	25	0				6	6
2	6	7	60	0				6	7
3	6	6	65	0				6	6
4	7	6	65	0				7	6
5	6	7	60	0				6	7
6	7	8	75	0				7	8
7	7	6	55	0				7	6
8	7	7	60	0				7	7
9	6	6	60	0				6	6
10	6	6	60	0				6	6
11	7	7	50	0				7	7
12	7	6	50	1	1	7	6	7	6
13	7	6	70	4	1	6	7	7	6
					2	7	6		
					3	9	7		
					4	8	6		
14	7	6	70	1	1	9	7	7	7
15	7	7	100	1	1	7	7	7	7
16	7	7	60	0				7	7
17	7	6	60	1	1	8	7	7	7
18	8	8	100	0				8	8
19	7	6	80	1	1	6	6	7	6
20	6	6	70	0				6	6
21	6	6	80	0				6	6
22	7	6	40	1	1	6	6	7	6
23	7	6	100	2	1	8	7	7	7
					2	7	7		
24	7	7	88	2	1	8	7	7	7
					2	8	7		
25	6	5	95	1	1	7	6	6	6
26	7	7	60	1	1	9	8	7	8
27	8	7	75	0				8	7
28	10	8	88	0				10	8
29	7	6	60	5	1	8	7	7	7
					2	8	7		
					3	6	6		
					4	10	7		
					5	8	7		
30	7	6	100	7	1	10	7	7	7
					2	6	5		
					3	7	6		
					4	11	6		
					5	8	7		
					6	8	6		
					7	7	6		

TABLE 2 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
Exposure Rate Summary (All Sampled Grids)
PAGE 2

REPRESENTATIVE AREA (Micro-R/Hr)				TOTAL # OF	HOT SPOT DATA			5m x 5m GRID	
GRID #	SURFACE	1 METER	% CONCRETE	HOT SPOTS	#	SURFACE	1 METER	AVE@1m	MAX@1m
31	6	5	85	1	1	6	6	6	6
32	6	7	40	2	1	7	7	6	7
					2	6	6		
33	7	7	25	0				7	7
34	6	6	20	2	1	7	6	6	7
					2	8	7		
35	6	6	93	3	1	8	6	6	6
					2	8	6		
					3	6	6		
36	6	6	100	2	1	6	5	6	6
					2	8	6		
37	5	6	100	11	1	6	6	6	7
					2	6	5		
					3	6	6		
					4	8	7		
					5	6	6		
					6	7	6		
					7	8	7		
					8	7	6		
					9	7	7		
					10	8	7		
					11	8	6		
42	8	7	100	7	1	8	7	8	7
					2	6	7		
					3	9	7		
					4	7	6		
					5	7	7		
					6	7	7		
					7	8	7		
43	6	6	100	6	1	8	7	6	7
					2	8	7		
					3	7	6		
					4	7	7		
					5	7	7		
					6	7	7		
44	6	6	100	7	1	6	6	6	7
					2	7	6		
					3	7	6		
					4	13	7		
					5	8	7		
					6	6	6		
					7	6	6		
50	6	6	100	2	1	7	6	6	7
					2	8	7		
51	6	6	100	11	1	7	6	6	7
					2	6	6		
					3	6	6		
					4	7	6		
					5	7	7		
					6	7	6		
					7	7	6		
					8	8	7		
					9	7	6		
					10	7	6		
					11	6	6		
52	7	6	100	10	1	9	8	7	10
					2	7	6		
					3	7	7		
					4	7	6		
					5	7	7		
					6	7	7		
					7	25	10		
					8	12	8		
					9	10	9		
					10	10	9		

TABLE 2 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
Exposure Rate Summary (All Sampled Grids)
PAGE 3

REPRESENTATIVE AREA (Micro-R/Hr)				TOTAL # OF	HOT SPOT DATA			5m x 5m GRID	
GRID #	SURFACE	1 METER	% CONCRETE	HOT SPOTS	#	SURFACE	1 METER	AVE@1m	MAX@1m
53	6	6	100	13	1	7	6	6	7
					2	9	7		
					3	7	6		
					4	7	7		
					5	6	7		
					6	7	7		
					7	6	6		
					8	8	7		
					9	7	6		
					10	8	7		
					11	8	6		
					12	6	6		
					13	7	7		
56	6	6	100	9	1	7	6	6	8
					2	9	7		
					3	10	8		
					4	9	7		
					5	8	7		
					6	7	6		
					7	8	7		
					8	6	6		
					9	7	7		
57	7	6	100	12	1	7	6	7	8
					2	7	6		
					3	8	7		
					4	9	6		
					5	7	7		
					6	9	8		
					7	8	7		
					8	9	8		
					9	11	8		
					10	11	8		
					11	8	7		
					12	8	7		
58	7	7	100	9	1	10	8	7	8
					2	7	7		
					3	8	7		
					4	7	6		
					5	7	6		
					6	7	7		
					7	8	7		
					8	7	6		
					9	7	6		
59	7	6	100	2	1	7	6	7	7
					2	8	7		
66	6	6	100	2	1	9	8	6	8
					2	7	7		
67	8	8	100	7	1	8	7	8	7
					2	6	7		
					3	9	7		
					4	7	6		
					5	7	6		
					6	9	7		
					7	8	7		
68	6	7	100	4	1	8	7	6	7
					2	6	6		
					3	7	6		
					4	6	6		
71	8	7	100	1	1	8	7	8	7

TABLE 2 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
Exposure Rate Summary (All Sampled Grids)
PAGE 4

REPRESENTATIVE AREA (Micro-R/Hr)				TOTAL # OF	HOT SPOT DATA			5m x 5m GRID	
GRID #	SURFACE	1 METER	% CONCRETE	HOT SPOTS	#	SURFACE	1 METER	AVE@1m	MAX@1m
74	6	6	100	7	1	6	6	6	7
					2	6	5		
					3	7	6		
					4	7	6		
					5	7	7		
					6	8	7		
					7	7	6		
75	7	6	100	5	1	6	5	7	7
					2	8	7		
					3	6	6		
					4	7	7		
					5	7	6		
81	5	6	85	9	1	6	6	6	7
					2	7	6		
					3	8	7		
					4	7	7		
					5	7	6		
					6	8	7		
					7	7	7		
					8	7	6		
					9	6	6		
82	6	6	100	12	1	7	7	6	7
					2	7	7		
					3	7	6		
					4	7	7		
					5	7	6		
					6	8	6		
					7	7	6		
					8	7	7		
					9	6	6		
					10	7	6		
					11	7	6		
					12	7	7		
83	7	6	100	11	1	8	6	7	8
					2	8	7		
					3	8	7		
					4	7	7		
					5	7	6		
					6	7	6		
					7	8	6		
					8	10	8		
					9	8	6		
					10	7	7		
					11	7	7		
91	7	6	100	12	1	8	6	7	7
					2	6	6		
					3	7	6		
					4	10	7		
					5	10	7		
					6	8	7		
					7	8	7		
					8	8	7		
					9	8	6		
					10	9	7		
					11	6	6		
					12	7	6		
93	7	6	100	9	1	7	6	7	7
					2	7	6		
					3	7	6		
					4	6	6		
					5	6	6		
					6	8	7		
					7	6	6		
					8	7	6		
					9	8	7		

TABLE 2 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
Exposure Rate Summary (All Sampled Grids)
PAGE 5

REPRESENTATIVE AREA (Micro-R/Hr)				TOTAL # OF	HOT SPOT DATA			5m x 5m GRID	
GRID #	SURFACE	1 METER	% CONCRETE	HOT SPOTS	#	SURFACE	1 METER	AVE@1m	MAX@1m
94	7	6	100	1	1	8	6	7	6
103	7	7	100	0				7	7
105	6	6	97	14	1	9	7	6	8
					2	7	7		
					3	7	6		
					4	7	6		
					5	11	7		
					5	7	6		
					7	10	7		
					8	8	7		
					9	9	8		
					10	7	6		
					11	8	7		
					12	10	8		
					13	7	6		
					14	9	8		
110	6	6	100	8	1	7	6	6	7
					2	7	6		
					3	8	7		
					4	7	6		
					5	7	7		
					6	7	6		
					7	6	6		
					8	8	7		
111	6	5	96	10	1	7	5	6	8
					2	6	5		
					3	9	8		
					4	8	6		
					5	7	7		
					6	7	6		
					7	10	7		
					8	7	6		
					9	8	7		
					10	7	7		
133	7	6	100	14	1	8	7	7	8
					2	9	7		
					3	6	6		
					4	7	6		
					5	8	7		
					6	8	6		
					7	8	8		
					8	7	6		
					9	7	6		
					10	8	7		
					11	8	7		
					12	8	7		
					13	8	7		
					14	8	7		

TABLE 2 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
Exposure Rate Summary (All Sampled Grids)
PAGE 6

REPRESENTATIVE AREA (Micro-R/Hr)				TOTAL # OF	HOT SPOT DATA			5m x 5m GRID	
GRID #	SURFACE	1 METER	% CONCRETE	HOT SPOTS	#	SURFACE	1 METER	AVE@1m	MAX@1m
134	6	6	96	17	1	7	7	7	8
					2	7	6		
					3	6	6		
					4	9	8		
					5	9	7		
					6	8	6		
					7	10	8		
					8	8	7		
					9	9	8		
					10	8	7		
					11	6	6		
					12	9	6		
					13	9	8		
					14	7	6		
					15	7	6		
					16	12	8		
					17	7	6		

	Representative Areas @ 1m				Hot Spots @ 1m			
	1 m2 Minimum	Maximum	Overall Ave.		Total #	Ave. #/grid	1 m2 Minimum	1 m2 Maximum	1 m2 Ave.
uR/h:	5	8	6		280	4	5	10	6

5m x 5m Grids @ 1m					
# of Grids	Area (m^2)	Ave. Minimum	Ave. Maximum	Overall Ave.	
66	1,355	6	10	6	uR/h

NOTES: 1. 5m x 5m grids.

TABLE 3

OF

APPENDIX II

TABLE 3 - SUB-AREA "F" CONCRETE RUBBLE
GROSS BETA-GAMMA RESULTS SUMMARY (Random Sample)
Page 1

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (gross net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)			AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	WT. AVG.	3"	6"
30	954	979	100	7	1	23,757	57,002	1	22,957	56,202	2,504	56,202	2,504	7.2	3.8
					2	5,000	8,500	2	4,200	7,700					
					3	6,092	22,600	3	5,292	21,800					
					4	12,129	25,700	4	11,329	24,900					
					5	7,188	16,900	5	6,388	16,100					
					6	5,085	19,500	6	4,285	18,700					
					7	6,187	18,500	7	5,387	17,700					
36	636	1,243	100	2	1	4,677	5,599	1	3,877	4,799	501	29,010	501	1.4	0.8
					2	13,225	29,810	2	12,425	29,010					
37	535	979	100	11	1	9,573	35,783	1	8,773	34,983	3,411	34,983	3,411	9.8	5.2
					2	9,451	24,893	2	8,651	24,093					
					3	9,488	18,942	3	8,688	18,142					
					4	11,189	20,400	4	10,389	19,600					
					5	6,740	9,702	5	5,940	8,902					
					6	6,164	7,502	6	5,364	6,702					
					7	10,387	16,962	7	9,587	16,162					
					8	5,793	10,934	8	4,993	10,134					
					9	8,514	13,266	9	7,714	12,466					
					10	10,486	18,300	10	9,686	17,500					
					11	10,001	16,841	11	9,201	16,041					
42	1,261	1,837	100	7	1	4,940	12,200	1	4,140	11,400	1,818	22,700	1,818	5.2	2.8
					2	5,310	8,300	2	4,510	7,500					
					3	6,711	22,700	3	5,911	21,900					
					4	6,940	11,800	4	6,140	11,000					
					5	5,550	9,400	5	4,750	8,600					
					6	5,440	8,500	6	4,640	7,700					
					7	7,864	23,500	7	7,064	22,700					
43	1,810	4,796	100	6	1	26,875	46,000	1	26,075	45,200	3,822	45,200	3,822	10.9	5.8
					2	18,888	40,700	2	18,088	39,900					
					3	7,000	17,600	3	6,200	16,800					
					4	10,400	21,800	4	9,600	21,000					
					5	9,381	23,100	5	8,581	22,300					
					6	8,607	21,700	6	7,807	20,900					
44	929	1,616	100	7	1	8,288	15,000	1	7,488	14,200	2,199	33,100	2,199	6.3	3.3
					2	12,962	33,900	2	12,162	33,100					
					3	10,625	20,200	3	9,825	19,400					
					4	9,370	20,000	4	8,570	19,200					
					5	5,180	7,000	5	4,380	6,200					
					6	5,843	8,000	6	5,043	7,200					
					7	5,986	8,300	7	5,186	7,500					
50	788	891	100	2	1	6,022	13,800	1	5,222	13,000	424	17,200	424	1.2	0.6
					2	6,458	18,000	2	5,658	17,200					
51	1,646	1,991	100	11	1	22,000	54,100	1	21,200	53,300	4,867	53,300	4,867	13.9	7.4
					2	9,000	25,400	2	8,200	24,600					
					3	7,300	15,000	3	6,500	14,200					
					4	11,250	18,250	4	10,450	17,450					
					5	10,800	30,000	5	10,000	29,200					
					6	8,600	13,000	6	7,800	12,200					
					7	9,600	16,000	7	8,800	15,200					
					8	16,800	27,000	8	16,000	26,200					
					9	7,750	10,000	9	6,950	9,200					
					10	5,940	8,000	10	5,140	7,200					
					11	9,600	35,000	11	8,800	34,200					

SUB-AREA "F" CONCRETE RUBBLE
GROSS BETA-GAMMA RESULTS SUMMARY (Random Sample)
Page 2

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (gross pel reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)			AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	WT. AVG.	3"	6"
52	755	847	100	10	1	5,863	12,600	1	5,083	11,800	3,543	85,200	3,543	10.1	5.4
					2	11,192	15,000	2	10,392	14,200					
					3	4,844	9,000	3	4,044	8,200					
					4	5,610	9,000	4	4,810	8,200					
					5	5,498	13,000	5	4,698	12,200					
					6	10,875	86,000	6	10,075	85,200					
					7	19,028	66,000	7	18,228	65,200					
					8	5,869	10,000	8	5,069	9,200					
					9	19,929	39,100	9	19,129	38,300					
					10	8,518	23,900	10	7,718	23,100					
53	1,256	1,496	100	13	1	5,391	15,000	1	4,591	14,200	3,282	29,200	3,282	9.4	5.0
					2	7,220	26,400	2	6,420	25,600					
					3	5,431	18,000	3	4,631	17,200					
					4	4,775	10,000	4	3,975	9,200					
					5	5,273	15,000	5	4,473	14,200					
					6	6,136	15,000	6	5,336	14,200					
					7	5,267	11,000	7	4,467	10,200					
					8	6,650	16,000	8	5,850	15,200					
					9	9,882	21,000	9	9,082	20,200					
					10	6,167	13,000	10	5,367	12,200					
					11	11,914	30,000	11	11,114	29,200					
					12	5,062	15,000	12	4,262	14,200					
					13	7,800	17,000	13	7,000	16,200					
56	1,201	1,947	100	9	1	4,314	12,400	1	3,514	11,600	3,304	63,800	3,304	9.4	5.0
					2	21,200	33,700	2	20,400	32,900					
					3	19,500	23,000	3	18,700	22,200					
					4	7,500	19,000	4	6,700	18,200					
					5	10,000	25,000	5	9,200	24,200					
					6	4,484	12,000	6	3,684	11,200					
					7	4,992	10,000	7	4,192	9,200					
					8	4,057	5,500	8	3,257	4,700					
					9	7,345	64,600	9	6,545	63,800					
57	1,047	2,332	100	12	1	4,882	23,000	1	4,082	22,200	3,252	50,200	3,252	9.3	4.9
					2	4,264	10,000	2	3,464	9,200					
					3	5,923	25,000	3	5,123	24,200					
					4	10,235	51,000	4	9,435	50,200					
					5	6,880	15,000	5	6,080	14,200					
					6	5,353	17,000	6	4,553	16,200					
					7	6,004	15,000	7	5,204	14,200					
					8	12,182	26,000	8	11,382	25,200					
					9	9,538	35,000	9	8,738	34,200					
					10	10,368	26,000	10	9,568	25,200					
					11	6,758	20,000	11	5,958	19,200					
					12	5,308	15,000	12	4,508	14,200					
58	999	1,353	100	9	1	5,783	22,000	1	4,983	21,200	1,511	24,200	1,511	4.3	2.3
					2	5,500	18,000	2	4,700	17,200					
					3	3,429	10,000	3	2,629	9,200					
					4	4,085	7,000	4	3,285	6,200					
					5	3,565	15,000	5	2,765	14,200					
					6	4,900	21,000	6	4,100	20,200					
					7	5,348	25,000	7	4,548	24,200					
					8	4,788	20,000	8	3,988	19,200					
					9	4,385	8,000	9	3,585	7,200					

SUB-AREA "F" CONCRETE RUBBLE
GROSS BETA-GAMMA RESULTS SUMMARY (Random Sample)
Page 3

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)			AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	WT. AVG.	3"	6"
59	1,093	1,518	100	2	1	3,569	10,000	1	2,769	9,200	539	9,200	539	1.5	0.8
					2	4,760	10,000	2	3,960	9,200					
66	1,276	1,881	100	2	1	4,819	28,000	1	4,019	27,200	706	27,200	706	2.0	1.1
					2	3,472	10,000	2	2,672	9,200					
67	458	671	100	7	1	5,030	18,000	1	4,230	17,200	772	23,200	772	2.2	1.2
					2	3,267	7,000	2	2,467	6,200					
					3	7,500	24,000	3	6,700	23,200					
					4	2,889	10,000	4	2,089	9,200					
					5	4,455	8,000	5	3,655	7,200					
					6	4,913	16,000	6	4,113	15,200					
					7	3,000	10,000	7	2,200	9,200					
68	585	803	100	4	1	4,100	10,000	1	3,300	9,200	327	9,200	327	0.9	0.5
					2	3,933	10,000	2	3,133	9,200					
					3	4,848	9,000	3	4,048	8,200					
					4	3,000	7,000	4	2,200	6,200					
71	524	858	100	1	1	4,176	10,000	1	3,376	9,200	(130)	9,200	(130)	-0.4	-0.2
74	1,445	3,366	100	7	1	2,158	9,000	1	1,358	8,200	1,298	10,200	1,298	3.7	2.0
					2	3,900	10,000	2	3,100	9,200					
					3	3,750	8,000	3	2,950	7,200					
					4	4,333	10,000	4	3,533	9,200					
					5	3,666	5,000	5	2,866	4,200					
					6	4,700	11,000	6	3,900	10,200					
					7	3,923	10,000	7	3,123	9,200					
75	704	1,001	100	5	1	3,500	6,000	1	2,700	5,200	667	22,200	667	1.9	1.0
					2	4,710	23,000	2	3,910	22,200					
					3	4,437	10,000	3	3,637	9,200					
					4	4,765	10,000	4	3,965	9,200					
					5	5,174	22,000	5	4,374	21,200					
81	557	803	85	9	1	4,000	7,000	1	3,200	6,200	1,945	24,200	1,654	5.6	3.0
					2	10,074	19,000	2	9,274	18,200					
					3	5,864	25,000	3	5,064	24,200					
					4	5,067	15,000	4	4,267	14,200					
					5	4,063	12,000	5	3,263	11,200					
					6	6,925	22,000	6	6,125	21,200					
					7	6,467	16,000	7	5,667	15,200					
					8	5,056	18,000	8	4,256	17,200					
					9	4,000	15,000	9	3,200	14,200					
82	1,058	1,771	100	12	1	4,300	11,000	1	3,500	10,200	2,496	24,200	2,496	7.1	3.8
					2	4,636	17,000	2	3,836	16,200					
					3	8,370	25,000	3	7,570	24,200					
					4	11,000	20,000	4	10,200	19,200					
					5	3,900	11,000	5	3,100	10,200					
					6	4,782	15,000	6	3,982	14,200					
					7	5,640	17,000	7	4,840	16,200					
					8	4,951	15,000	8	4,151	14,200					
					9	4,888	10,000	9	4,088	9,200					
					10	5,608	22,000	10	4,808	21,200					
					11	5,000	10,000	11	4,200	9,200					
					12	5,575	20,000	12	4,775	19,200					

SUB-AREA "F" CONCRETE RUBBLE
GROSS BETA-GAMMA RESULTS SUMMARY (Random Sample)

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)			AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	WT. AVG.	3"	6"
83	563	660	100	11	1	3,538	10,000	1	2,738	9,200	1,422	22,200	1,422	4.1	2.2
					2	4,000	15,000	2	3,200	14,200					
					3	4,806	23,000	3	4,006	22,200					
					4	4,600	12,000	4	3,800	11,200					
					5	3,222	6,000	5	2,422	5,200					
					6	4,667	15,000	6	3,867	14,200					
					7	4,500	17,000	7	3,700	16,200					
					8	4,813	15,000	8	4,013	14,200					
					9	4,842	15,000	9	4,042	14,200					
					10	4,273	7,000	10	3,473	6,200					
					11	4,400	10,000	11	3,600	9,200					
91	1,010	2,387	100	12	1	5,000	17,000	1	4,200	16,200	2,381	50,200	2,381	6.8	3.6
					2	3,769	19,000	2	2,969	18,200					
					3	4,800	15,000	3	4,000	14,200					
					4	4,809	26,000	4	4,009	25,200					
					5	7,868	51,000	5	7,068	50,200					
					6	4,955	12,000	6	4,155	11,200					
					7	8,326	26,000	7	7,526	25,200					
					8	6,786	27,000	8	5,986	26,200					
					9	4,583	11,000	9	3,783	10,200					
					10	5,258	16,000	10	4,458	15,200					
					11	4,333	13,000	11	3,533	12,200					
					12	5,900	25,000	12	5,100	24,200					
93	2,446	3,146	100	9	1	7,462	15,000	1	6,662	14,200	2,821	19,200	2,821	8.1	4.3
					2	6,682	17,000	2	5,882	16,200					
					3	7,240	18,000	3	6,440	17,200					
					4	4,793	10,000	4	3,993	9,200					
					5	3,500	8,000	5	2,700	7,200					
					6	8,333	20,000	6	7,533	19,200					
					7	3,636	13,000	7	2,836	12,200					
					8	5,550	20,000	8	4,750	19,200					
					9	4,182	8,000	9	3,382	7,200					
94	546	803	100	1	1	4,500	57,000	1	3,700	56,200	(96)	56,200	(96)	-0.3	-0.1
103	860	1,353	100	0							60	1,353	60	0.2	0.1
105	1,129	2,200	97	14	1	5,000	13,000	1	4,200	12,200	2,617	54,200	2,538	7.5	4.0
					2	3,077	10,000	2	2,277	9,200					
					3	4,182	7,000	3	3,382	6,200					
					4	4,250	8,000	4	3,450	7,200					
					5	5,000	15,000	5	4,200	14,200					
					5	3,143	6,000	5	2,343	5,200					
					7	8,921	55,000	7	8,121	54,200					
					8	7,929	25,000	8	7,129	24,200					
					9	5,815	25,000	9	5,015	24,200					
					10	3,917	7,000	10	3,117	6,200					
					11	4,361	15,000	11	3,561	14,200					
					12	5,083	13,000	12	4,283	12,200					
					13	5,000	17,000	13	4,200	16,200					
					14	5,600	15,000	14	4,800	14,200					
110	1,927	2,827	100	8	1	3,666	7,000	1	2,866	6,200	1,958	16,200	1,958	5.6	3.0
					2	4,600	17,000	2	3,800	16,200					
					3	5,032	12,000	3	4,232	11,200					
					4	4,000	7,000	4	3,200	6,200					
					5	4,875	13,000	5	4,075	12,200					
					6	4,200	6,000	6	3,400	5,200					
					7	5,077	11,000	7	4,277	10,200					
					8	4,750	17,000	8	3,950	16,200					

SUB-AREA "F" CONCRETE RUBBLE
GROSS BETA-GAMMA RESULTS SUMMARY (Random Sample)
Page 5

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)			AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	WT. AVG.	3"	6"
111	708	968	96	10	1	4,700	10,000	1	3,900	9,200	1,425	16,200	1,368	4.1	2.2
					2	3,667	8,000	2	2,867	7,200					
					3	3,200	8,000	3	2,400	7,200					
					4	4,357	15,000	4	3,557	14,200					
					5	4,500	15,000	5	3,700	14,200					
					6	3,333	6,000	6	2,533	5,200					
					7	6,000	17,000	7	5,200	16,200					
					8	4,941	9,000	8	4,141	8,200					
					9	4,864	13,000	9	4,064	12,200					
					10	3,929	7,000	10	3,129	6,200					
133	867	1092	100	14	1	4,846	11,000	1	4,046	10,200	2,001	15,200		5.7	3.0
					2	4,333	6,000	2	3,533	5,200					
					3	3,214	5,000	3	2,414	4,200					
					4	4,125	8,000	4	3,325	7,200					
					5	4,125	8,000	5	3,325	7,200					
					6	5,750	12,000	6	4,950	11,200					
					7	4,429	8,000	7	3,629	7,200					
					8	4,875	11,000	8	4,075	10,200					
					9	3,333	6,000	9	2,533	5,200					
					10	2,625	15,000	10	1,825	14,200					
					11	4,000	7,000	11	3,200	6,200					
					12	5,350	10,000	12	4,550	9,200					
					13	5,080	10,000	13	4,280	9,200					
					14	4,400	16,000	14	3,600	15,200					
134	1056	1705	96	17	1	4,200	6,000	1	3,400	5,200	3,063	24,200		8.8	4.7
					2	4,190	11,000	2	3,390	10,200					
					3	6,217	25,000	3	5,417	24,200					
					4	5,852	11,000	4	5,052	10,200					
					5	5,889	15,000	5	5,089	14,200					
					6	5,167	14,000	6	4,367	13,200					
					7	5,409	24,000	7	4,609	23,200					
					8	5,296	12,000	8	4,496	11,200					
					9	3,600	5,000	9	2,800	4,200					
					10	4,300	10,000	10	3,500	9,200					
					11	4,565	11,000	11	3,765	10,200					
					12	7,138	23,000	12	6,338	22,200					
					13	5,409	13,000	13	4,609	12,200					
					14	4,857	11,000	14	4,057	10,200					
					15	4,437	6,000	15	3,637	5,200					
					16	4,300	6,000	16	3,500	5,200					
					17	4,500	8,000	17	3,700	7,200					

DATA SUMMARY

	Representative Areas (background subtracted)			Hot Spots (background subtracted)						Maximum pCi/g	
	1 m2 Minimum	Maximum	Overall Ave.	Total #	Ave. #/grid	1 m2 Ave. Min.	1 m2 Ave. Max.	1 m2 Ave.		3"	6"
dpm/100cm2:	(800)	1,646	270	251	8	0	26,075	5,555	dpm/100cm2	13.9	7.4
pCi/g U (6" ave.):	-1.2	2.5	0.4			0.0	39.6	8.4	pCi/g Total U (6" ave)		

	5m x 5m Grids (background subtracted)				
# of Grids	Area (m^2)	Ave. Minimum	Ave. Maximum	Overall Ave.	
32	794	(130)	4,867	1,975	dpm/100cm2
		-0.2	7.4	2.9	pCi/g Total U (6" ave)

NOTES:

1. Random sample consisted of 30 5m x 5m grids.
2. Random sample taken from areas containing at least 85% concrete.
3. Gross beta background in concrete = 800 dpm/100cm2 (net).
4. Results reported in units of dpm/100cm2 unless otherwise indicated.

TABLE 4

OF

APPENDIX II

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 1

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
1	440	473	25	0							(360)	(327)	-1.0	-0.5
2	1342	1661	60	0							542	861	1.5	0.8
3	270	440	65	0							(530)	(360)	-1.5	-0.8
4	792	3993	65	0							(8)	3,193	-0.0	-0.0
5	524	836	60	0							(276)	36	-0.8	-0.4
6	1045	1650	75	0							245	850	0.7	0.4
7	278	1584	55	0							(522)	784	-1.5	-0.8
8	924	1397	60	0							124	597	0.4	0.2
9	557	935	60	0							(243)	135	-0.7	-0.4
10	1911	4967	60	0							1,111	4,167	3.2	1.7
11	1769	2090	50	0							969	1,290	2.8	1.5
12	876	1793	50	1	1	3348	7425	1	2,548	6,625	274	6,625	0.8	0.4
13	2266	3454	70	4	1	4506	8833	1	3,706	8,033	2,049	11,366	5.9	3.1
					2	4829	7492	2	4,029	6,692				
					3	5016	12166	3	4,216	11,366				
					4	4917	6611	4	4,117	5,811				
14	1025	2332	70	1	1	2215	7117	1	1,415	6,317	293	6,317	0.8	0.4
15	1118	1760	100	1	1	3038	8635	1	2,238	7,835	395	7,835	1.1	0.6
16	1203	3190	60	0							403	2,390	1.2	0.6
17	1619	3069	60	1	1	2631	9625	1	1,831	8,825	886	8,825	2.5	1.3
18	570	715	100	0							(230)	(85)	-0.7	-0.3
19	1535	3454	80	1	1	1734	7230	1	934	6,430	745	6,430	2.1	1.1
20	508	726	70	0							(292)	(74)	-0.8	-0.4
21	1199	3212	80	0							399	2,412	1.1	0.6
22	694	1023	40	1	1	3625	5907	1	2,825	5,107	187	5,107	0.5	0.3
23	671	1001	100	2	1	1729	5126	1	929	4,326	51	15,744	0.1	0.1
					2	4123	16544	2	3,323	15,744				
24	959	1287	88	2	1	3863	12837	1	3,063	12,037	462	13,808	1.3	0.7
					2	4730	14608	2	3,930	13,608				
25	1786	2970	95	1	1	3412	7920	1	2,612	7,120	1,054	7,120	3.0	1.6
26	1892	3773	60	1	1	3188	6314	1	2,388	5,514	1,178	5,514	3.4	1.8
27	1582	1640	75	0							782	840	2.2	1.2
28	1592	1614	88	0							792	814	2.3	1.2

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 2

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
29	1195	2156	60	5	1	9332	21703	1	8,532	20,903	2,436	26,100	7.0	3.7
					2	3863	13211	2	3,063	12,411				
					3	5666	15000	3	4,866	14,200				
					4	12909	26900	4	12,109	26,100				
					5	4815	8700	5	4,015	7,900				
30	954	979	100	7	1	23,757	57,002	1	22,957	56,202	2,504	56,202	7.2	3.8
					2	5,000	8,500	2	4,200	7,700				
					3	6,092	22,600	3	5,292	21,800				
					4	12,129	25,700	4	11,329	24,900				
					5	7,188	16,900	5	6,388	16,100				
					6	5,085	19,500	6	4,285	18,700				
					7	6,187	18,500	7	5,387	17,700				
31	1,230	1,452	85	1	1	9,820	21,100	1	9,020	20,300	834	20,300	2.4	1.3
32	609	1,012	40	2	1	5,903	10,582	1	5,103	9,782	738	9,782	2.1	1.1
					2	4,600	9,262	2	3,800	8,462				
33	889	1,386	25	0							89	586	0.3	0.1
34	766	979	20	2	1	1,200	5,700	1	400	4,900	1,055	9,881	3.0	1.6
					2	5,778	10,681	2	4,978	9,881				
35	711	2,079	93	3	1	15,128	34,200	1	14,328	33,400	1,913	62,659	5.5	2.9
					2	8,975	24,739	2	8,175	23,939				
					3	24,585	63,459	3	23,785	62,659				
36	636	1,243	100	2	1	4,677	5,599	1	3,877	4,799	501	29,010	1.4	0.8
					2	13,225	29,810	2	12,425	29,010				
37	535	979	100	11	1	9,573	35,783	1	8,773	34,983	3,411	34,983	9.8	5.2
					2	9,451	24,893	2	8,651	24,093				
					3	9,488	18,942	3	8,688	18,142				
					4	11,189	20,400	4	10,389	19,600				
					5	6,740	9,702	5	5,940	8,902				
					6	6,164	7,502	6	5,364	6,702				
					7	10,387	16,962	7	9,587	16,162				
					8	5,793	10,934	8	4,993	10,134				
					9	8,514	13,266	9	7,714	12,466				
					10	10,486	18,300	10	9,686	17,500				
					11	10,001	16,841	11	9,201	16,041				
42	1,261	1,837	100	7	1	4,940	12,200	1	4,140	11,400	1,818	22,700	5.2	2.8
					2	5,310	8,300	2	4,510	7,500				
					3	6,711	22,700	3	5,911	21,900				
					4	6,940	11,800	4	6,140	11,000				
					5	5,550	9,400	5	4,750	8,600				
					6	5,440	8,500	6	4,640	7,700				
					7	7,864	23,500	7	7,064	22,700				
43	1,810	4,796	100	6	1	26,875	46,000	1	26,075	45,200	3,822	45,200	10.9	5.8
					2	18,888	40,700	2	18,088	39,900				
					3	7,000	17,600	3	6,200	16,800				
					4	10,400	21,800	4	9,600	21,000				
					5	9,381	23,100	5	8,581	22,300				
					6	8,607	21,700	6	7,807	20,900				

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 3

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
44	929	1,616	100	7	1	8,288	15,000	1	7,488	14,200	2,199	33,100	6.3	3.3
					2	12,962	33,900	2	12,162	33,100				
					3	10,625	20,200	3	9,825	19,400				
					4	9,370	20,000	4	8,570	19,200				
					5	5,180	7,000	5	4,380	6,200				
					6	5,843	8,000	6	5,043	7,200				
					7	5,986	8,300	7	5,186	7,500				
50	788	891	100	2	1	6,022	13,800	1	5,222	13,000	424	17,200	1.2	0.6
					2	6,458	18,000	2	5,658	17,200				
51	1,646	1,991	100	11	1	22,000	54,100	1	21,200	53,300	4,867	53,300	13.9	7.4
					2	9,000	25,400	2	8,200	24,600				
					3	7,300	15,000	3	6,500	14,200				
					4	11,250	18,250	4	10,450	17,450				
					5	10,800	30,000	5	10,000	29,200				
					6	8,600	13,000	6	7,800	12,200				
					7	9,600	16,000	7	8,800	15,200				
					8	16,800	27,000	8	16,000	26,200				
					9	7,750	10,000	9	6,950	9,200				
					10	5,940	8,000	10	5,140	7,200				
					11	9,600	35,000	11	8,800	34,200				
52	755	847	100	10	1	5,883	12,600	1	5,083	11,800	3,543	85,200	10.1	5.4
					2	11,192	15,000	2	10,392	14,200				
					3	4,844	9,000	3	4,044	8,200				
					4	5,610	9,000	4	4,810	8,200				
					5	5,498	13,000	5	4,698	12,200				
					6	10,875	86,000	6	10,075	85,200				
					7	19,028	66,000	7	18,228	65,200				
					8	5,869	10,000	8	5,069	9,200				
					9	19,929	39,100	9	19,129	38,300				
					10	8,518	23,900	10	7,718	23,100				
53	1,256	1,496	100	13	1	5,391	15,000	1	4,591	14,200	3,262	29,200	9.4	5.0
					2	7,220	26,400	2	6,420	25,600				
					3	5,431	18,000	3	4,631	17,200				
					4	4,775	10,000	4	3,975	9,200				
					5	5,273	15,000	5	4,473	14,200				
					6	6,136	15,000	6	5,336	14,200				
					7	5,267	11,000	7	4,467	10,200				
					8	6,650	16,000	8	5,850	15,200				
					9	9,882	21,000	9	9,082	20,200				
					10	6,167	13,000	10	5,367	12,200				
					11	11,914	30,000	11	11,114	29,200				
					12	5,062	15,000	12	4,262	14,200				
					13	7,800	17,000	13	7,000	16,200				
56	1,201	1,947	100	9	1	4,314	12,400	1	3,514	11,600	3,304	63,800	9.4	5.0
					2	21,200	33,700	2	20,400	32,900				
					3	19,500	23,000	3	18,700	22,200				
					4	7,500	19,000	4	6,700	18,200				
					5	10,000	25,000	5	9,200	24,200				
					6	4,484	12,000	6	3,684	11,200				
					7	4,992	10,000	7	4,192	9,200				
					8	4,057	5,500	8	3,257	4,700				
					9	7,345	64,600	9	6,545	63,800				

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 4

REP. AREA NET READING (dpm/100cm2)					HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	TOTAL # OF HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
57	1,047	2,332	100	12	1	4,882	23,000	1	4,082	22,200	3,252	50,200	9.3	4.9
					2	4,264	10,000	2	3,464	9,200				
					3	5,923	25,000	3	5,123	24,200				
					4	10,235	51,000	4	9,435	50,200				
					5	6,880	15,000	5	6,080	14,200				
					6	5,353	17,000	6	4,553	16,200				
					7	6,004	15,000	7	5,204	14,200				
					8	12,182	26,000	8	11,382	25,200				
					9	9,538	35,000	9	8,738	34,200				
					10	10,368	26,000	10	9,568	25,200				
					11	6,758	20,000	11	5,958	19,200				
					12	5,308	15,000	12	4,508	14,200				
58	999	1,353	100	9	1	5,783	22,000	1	4,983	21,200	1,511	24,200	4.3	2.3
					2	5,500	18,000	2	4,700	17,200				
					3	3,429	10,000	3	2,629	9,200				
					4	4,085	7,000	4	3,285	6,200				
					5	3,565	15,000	5	2,765	14,200				
					6	4,900	21,000	6	4,100	20,200				
					7	5,348	25,000	7	4,548	24,200				
					8	4,788	20,000	8	3,988	19,200				
					9	4,385	8,000	9	3,585	7,200				
59	1,093	1,518	100	2	1	3,569	10,000	1	2,769	9,200	539	9,200	1.5	0.8
					2	4,760	10,000	2	3,960	9,200				
66	1,276	1,881	100	2	1	4,819	28,000	1	4,019	27,200	706	27,200	2.0	1.1
					2	3,472	10,000	2	2,672	9,200				
67	458	671	100	7	1	5,030	18,000	1	4,230	17,200	772	23,200	2.2	1.2
					2	3,267	7,000	2	2,467	6,200				
					3	7,500	24,000	3	6,700	23,200				
					4	2,889	10,000	4	2,089	9,200				
					5	4,455	8,000	5	3,655	7,200				
					6	4,913	16,000	6	4,113	15,200				
					7	3,000	10,000	7	2,200	9,200				
68	585	803	100	4	1	4,100	10,000	1	3,300	9,200	327	9,200	0.9	0.5
					2	3,933	10,000	2	3,133	9,200				
					3	4,848	9,000	3	4,048	8,200				
					4	3,000	7,000	4	2,200	6,200				
71	524	858	100	1	1	4,176	10,000	1	3,376	9,200	(130)	9,200	-0.4	-0.2
74	1,445	3,366	100	7	1	2,158	9,000	1	1,358	8,200	1,298	10,200	3.7	2.0
					2	3,900	10,000	2	3,100	9,200				
					3	3,750	8,000	3	2,950	7,200				
					4	4,333	10,000	4	3,533	9,200				
					5	3,666	5,000	5	2,866	4,200				
					6	4,700	11,000	6	3,900	10,200				
					7	3,923	10,000	7	3,123	9,200				
75	704	1,001	100	5	1	3,500	6,000	1	2,700	5,200	667	22,200	1.9	1.0
					2	4,710	23,000	2	3,910	22,200				
					3	4,437	10,000	3	3,637	9,200				
					4	4,765	10,000	4	3,965	9,200				
					5	5,174	22,000	5	4,374	21,200				

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 5

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
81	557	803	85	9	1	4,000	7,000	1	3,200	6,200	1,945	24,200	5.6	3.0
					2	10,074	19,000	2	9,274	18,200				
					3	5,864	25,000	3	5,064	24,200				
					4	5,067	15,000	4	4,267	14,200				
					5	4,063	12,000	5	3,263	11,200				
					6	6,925	22,000	6	6,125	21,200				
					7	6,467	16,000	7	5,667	15,200				
					8	5,056	18,000	8	4,256	17,200				
					9	4,000	15,000	9	3,200	14,200				
82	1,058	1,771	100	12	1	4,300	11,000	1	3,500	10,200	2,496	24,200	7.1	3.8
					2	4,636	17,000	2	3,836	16,200				
					3	8,370	25,000	3	7,570	24,200				
					4	11,000	20,000	4	10,200	19,200				
					5	3,900	11,000	5	3,100	10,200				
					6	4,782	15,000	6	3,982	14,200				
					7	5,640	17,000	7	4,840	16,200				
					8	4,951	15,000	8	4,151	14,200				
					9	4,888	10,000	9	4,088	9,200				
					10	5,608	22,000	10	4,808	21,200				
					11	5,000	10,000	11	4,200	9,200				
					12	5,575	20,000	12	4,775	19,200				
83	563	660	100	11	1	3,538	10,000	1	2,738	9,200	1,422	22,200	4.1	2.2
					2	4,000	15,000	2	3,200	14,200				
					3	4,806	23,000	3	4,006	22,200				
					4	4,600	12,000	4	3,800	11,200				
					5	3,222	6,000	5	2,422	5,200				
					6	4,667	15,000	6	3,867	14,200				
					7	4,500	17,000	7	3,700	16,200				
					8	4,813	15,000	8	4,013	14,200				
					9	4,842	15,000	9	4,042	14,200				
					10	4,273	7,000	10	3,473	6,200				
					11	4,400	10,000	11	3,600	9,200				
91	1,010	2,387	100	12	1	5,000	17,000	1	4,200	16,200	2,381	50,200	6.8	3.6
					2	3,769	19,000	2	2,969	18,200				
					3	4,800	15,000	3	4,000	14,200				
					4	4,809	26,000	4	4,009	25,200				
					5	7,868	51,000	5	7,068	50,200				
					6	4,955	12,000	6	4,155	11,200				
					7	8,326	26,000	7	7,526	25,200				
					8	6,786	27,000	8	5,986	26,200				
					9	4,583	11,000	9	3,783	10,200				
					10	5,258	16,000	10	4,458	15,200				
					11	4,333	13,000	11	3,533	12,200				
					12	5,900	25,000	12	5,100	24,200				
93	2,446	3,146	100	9	1	7,462	15,000	1	6,662	14,200	2,821	19,200	8.1	4.3
					2	6,682	17,000	2	5,882	16,200				
					3	7,240	18,000	3	6,440	17,200				
					4	4,793	10,000	4	3,993	9,200				
					5	3,500	8,000	5	2,700	7,200				
					6	8,333	20,000	6	7,533	19,200				
					7	3,636	13,000	7	2,836	12,200				
					8	5,550	20,000	8	4,750	19,200				
					9	4,182	8,000	9	3,382	7,200				

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 6

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
94	546	803	100	1	1	4,500	57,000	1	3,700	56,200	(96)	56,200	-0.3	-0.1
103	860	1,353	100	0							60	1,353	0.2	0.1
105	1,129	2,200	97	14	1	5,000	13,000	1	4,200	12,200	2,617	54,200	7.5	4.0
					2	3,077	10,000	2	2,277	9,200				
					3	4,182	7,000	3	3,382	6,200				
					4	4,250	8,000	4	3,450	7,200				
					5	5,000	15,000	5	4,200	14,200				
					5	3,143	6,000	5	2,343	5,200				
					7	8,921	55,000	7	8,121	54,200				
					8	7,929	25,000	8	7,129	24,200				
					9	5,815	25,000	9	5,015	24,200				
					10	3,917	7,000	10	3,117	6,200				
					11	4,361	15,000	11	3,561	14,200				
					12	5,083	13,000	12	4,283	12,200				
					13	5,000	17,000	13	4,200	16,200				
					14	5,600	15,000	14	4,800	14,200				
110	1,927	2,827	100	8	1	3,666	7,000	1	2,866	6,200	1,958	16,200	5.6	3.0
					2	4,600	17,000	2	3,800	16,200				
					3	5,032	12,000	3	4,232	11,200				
					4	4,000	7,000	4	3,200	6,200				
					5	4,875	13,000	5	4,075	12,200				
					6	4,200	6,000	6	3,400	5,200				
					7	5,077	11,000	7	4,277	10,200				
					8	4,750	17,000	8	3,950	16,200				
111	708	968	96	10	1	4,700	10,000	1	3,900	9,200	1,425	16,200	4.1	2.2
					2	3,667	8,000	2	2,867	7,200				
					3	3,200	8,000	3	2,400	7,200				
					4	4,357	15,000	4	3,557	14,200				
					5	4,500	15,000	5	3,700	14,200				
					6	3,333	6,000	6	2,533	5,200				
					7	6,000	17,000	7	5,200	16,200				
					8	4,941	9,000	8	4,141	8,200				
					9	4,864	13,000	9	4,064	12,200				
					10	3,929	7,000	10	3,129	6,200				
133	867	1092	100	14	1	4,846	11,000	1	4,046	10,200	2,001	15,200	5.7	3.0
					2	4,333	6,000	2	3,533	5,200				
					3	3,214	5,000	3	2,414	4,200				
					4	4,125	8,000	4	3,325	7,200				
					5	4,125	8,000	5	3,325	7,200				
					6	5,750	12,000	6	4,950	11,200				
					7	4,429	8,000	7	3,629	7,200				
					8	4,875	11,000	8	4,075	10,200				
					9	3,333	6,000	9	2,533	5,200				
					10	2,625	15,000	10	1,825	14,200				
					11	4,000	7,000	11	3,200	6,200				
					12	5,350	10,000	12	4,550	9,200				
					13	5,080	10,000	13	4,280	9,200				
					14	4,400	16,000	14	3,600	15,200				

TABLE 4 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS BETA RESULTS SUMMARY (All Sampled Grids)
PAGE 7

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			HOT SPOT DATA (background subtracted)			5m x 5m GRID (dpm/100cm2)		AVE. CONC (pCi/g)	
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	#	AVE	MAX	AVE	MAX	3"	6"
134	1056	1705	96	17	1	4,200	6,000	1	3,400	5,200	3,063	24,200	8.8	4.7
					2	4,190	11,000	2	3,390	10,200				
					3	6,217	25,000	3	5,417	24,200				
					4	5,852	11,000	4	5,052	10,200				
					5	5,889	15,000	5	5,089	14,200				
					6	5,167	14,000	6	4,367	13,200				
					7	5,409	24,000	7	4,609	23,200				
					8	5,296	12,000	8	4,496	11,200				
					9	3,600	5,000	9	2,800	4,200				
					10	4,300	10,000	10	3,500	9,200				
					11	4,565	11,000	11	3,765	10,200				
					12	7,138	23,000	12	6,338	22,200				
					13	5,409	13,000	13	4,609	12,200				
					14	4,857	11,000	14	4,057	10,200				
					15	4,437	6,000	15	3,637	5,200				
					16	4,300	6,000	16	3,500	5,200				
					17	4,500	8,000	17	3,700	7,200				

	Representative Areas (background subtracted)			Hot Spots (background subtracted)						Maximum pCi/g	
	1 m2 Minimum	Maximum	Overall Ave.	Total #	Ave. #/grid	1 m2 Minimum	1 m2 Maximum	1 m2 Ave.		3" Ave.	6" Ave.
dpm/100cm2:	(800)	1,646	84	280	4	0	26,075	5,276	dpm/100cm2	13.9	7.4
pCi/g U (6" ave.):	-1.2	2.5	0.1			0.0	39.6	8.0	pCi/g Total U (6" ave)		

	5m x 5m Grids (background subtracted)				
# of Grids	Area (m^2)	Ave. Minimum	Ave. Maximum	Overall Ave.	
66	1,355	(530)	4,867	1,186	dpm/100cm2
		-0.8	7.4	1.8	pCi/g Total U (6" ave)

NOTES:
1. 5m x 5m grids.
2. Gross beta background in concrete = 800 dpm/100cm2 (net).
3. Results reported in units of dpm/100cm2 unless otherwise indicated.

TABLE 5

OF

APPENDIX II

TABLE 5 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 1

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (gross reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
30	200	320	100	7	1	160	320	334	6,400	334
					2	60	240			
					3	2,280	4,800			
					4	1,700	6,400			
					5	400	2,000			
					6	80	400			
					7	80	320			
36	15	60	100	2	1	0	0	18	800	18
					2	100	800			
37	80	160	100	11	1	420	800	150	1,600	150
					2	340	800			
					3	240	640			
					4	540	800			
					5	160	400			
					6	60	160			
					7	100	240			
					8	120	320			
					9	220	240			
					10	180	560			
					11	240	1,600			
42	60	160	100	7	1	140	400	82	640	82
					2	248	640			
					3	240	400			
					4	40	80			
					5	100	240			
					6	10	40			
					7	200	400			
43	10	40	100	6	1	500	800	79	960	79
					2	500	960			
					3	300	640			
					4	120	440			
					5	200	760			
					6	160	640			
44	10	40	100	7	1	415	640	175	4,000	175
					2	480	2,000			
					3	875	2,000			
					4	1,200	4,000			
					5	560	1,600			
					6	500	800			
					7	160	400			
50	5	40	100	2	1	260	600	30	1,360	30
					2	380	1,360			
51	10	80	100	11	1	480	1,600	145	2,100	145
					2	150	400			
					3	40	160			
					4	140	400			
					5	220	800			
					6	180	400			
					7	180	480			
					8	1,500	2,100			
					9	320	880			
					10	100	160			
					11	165	320			
52	160	320	100	10	1	540	1,600	641	16,000	641
					2	360	1,040			
					3	300	1,040			
					4	220	400			
					5	240	560			
					6	1,100	4,000			
					7	9,000	16,000			
					8	880	3,200			
					9	420	480			
					10	560	1,280			
53	10	80	100	13	1	400	800	250	4,000	250
					2	1,440	4,000			
					3	720	1,280			
					4	340	640			
					5	180	320			
					6	160	320			
					7	340	400			
					8	740	1,280			
					9	410	1,200			
					10	480	800			
					11	600	800			
					12	160	320			
					13	160	600			

TABLE 5 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 2

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (gross reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
56	80	160	100	9	1	200	800	363	15,600	363
					2	630	1,040			
					3	840	1,760			
					4	380	640			
					5	800	1,120			
					6	4,000	15,600			
					7	220	320			
					8	100	160			
					9	620	1,280			
57	240	720	100	12	1	580	960	311	4,000	311
					2	220	480			
					3	180	480			
					4	160	240			
					5	340	800			
					6	120	320			
					7	180	320			
					8	480	880			
					9	160	240			
					10	540	600			
					11	220	400			
					12	1,470	4,000			
58	280	480	100	9	1	580	1,440	294	1,440	294
					2	180	240			
					3	380	640			
					4	100	240			
					5	500	720			
					6	140	240			
					7	100	160			
					8	700	880			
					9	180	480			
59	70	160	100	2	1	200	320	73	320	73
					2	10	40			
66	10	80	100	2	1	560	800	42	800	42
					2	270	640			
67	40	160	100	7	1	60	160	101	1,240	101
					2	520	1,040			
					3	170	320			
					4	120	240			
					5	380	400			
					6	530	1,240			
					7	20	80			
68	350	1,360	100	4	1	220	560	331	880	331
					2	140	240			
					3	240	400			
					4	320	880			
71	140	560	100	1	1	1,280	4,000	186	4,000	186
74	10	40	100	7	1	960	3,200	72	3,200	72
					2	60	240			
					3	280	640			
					4	240	640			
					5	10	40			
					6	60	240			
					7	20	80			
75	20	80	100	5	1	10	40	29	480	29
					2	80	160			
					3	60	180			
					4	10	40			
					5	160	480			
81	100	240	85	9	1	150	320	203	2,200	172
					2	680	1,600			
					3	640	1,040			
					4	220	480			
					5	100	240			
					6	20	80			
					7	322	640			
					8	220	320			
					9	730	2,200			

TABLE 5 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 3

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (gross reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
82	20	80	100	12	1	300	1,320	158	4,320	158
					2	280	640			
					3	280	480			
					4	160	4,320			
					5	200	400			
					6	805	2,100			
					7	420	1,120			
					8	540	1,200			
					9	10	40			
					10	280	640			
					11	220	480			
					12	200	240			
83	500	1,360	100	11	1	1,120	3,600	511	4,800	511
					2	520	1,200			
					3	440	800			
					4	480	1,360			
					5	140	320			
					6	140	240			
					7	280	800			
					8	2,080	4,800			
					9	220	400			
					10	200	560			
					11	160	320			
91	80	160	100	12	1	260	720	201	1,760	201
					2	300	880			
					3	300	400			
					4	140	240			
					5	280	400			
					6	880	1,760			
					7	520	720			
					8	480	720			
					9	140	240			
					10	220	480			
					11	140	240			
					12	320	720			
93	80	160	100	9	1	1,000	1,440	222	1,680	222
					2	1,320	1,680			
					3	80	160			
					4	520	960			
					5	100	160			
					6	560	1,600			
					7	180	480			
					8	500	1,600			
					9	20	80			
94	10	40	100	1	1	220	800	18	800	18
103	10	40	100	0				10	40	10
105	40	80	97	14	1	260	400	213	3,200	207
					2	540	1,440			
					3	140	240			
					4	280	640			
					5	1,200	3,200			
					5	20	80			
					7	180	240			
					8	380	720			
					9	400	720			
					10	160	240			
					11	280	320			
					12	320	640			
					13	160	320			
					14	440	880			
110	20	80	100	8	1	20	80	97	1,520	97
					2	220	560			
					3	240	400			
					4	40	80			
					5	640	800			
					6	260	720			
					7	600	1,520			
					8	60	160			
111	10	40	96	10	1	260	460	121	1,600	116
					2	160	560			
					3	240	480			
					4	140	320			
					5	680	1,600			
					6	70	160			
					7	260	400			
					8	540	960			
					9	160	240			
					10	260	400			

TABLE 5 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 4

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (gross reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
133	120	160	100	14	1	160	320	168	1,600	168
					2	220	720			
					3	40	160			
					4	320	560			
					5	200	320			
					6	260	480			
					7	50	160			
					8	140	240			
					9	140	320			
					10	400	1,600			
					11	10	40			
					12	455	1,200			
					13	220	400			
					14	260	560			
134	20	80	96	17	1	40	160	60	400	58
					2	80	160			
					3	80	160			
					4	10	40			
					5	220	400			
					6	100	240			
					7	180	400			
					8	60	160			
					9	40	160			
					10	20	80			
					11	40	160			
					12	40	160			
					13	20	80			
					14	60	240			
					15	120	240			
					16	140	320			
					17	60	160			

	Representative Areas (no background subtracted)				Hot Spots (no background subtracted)					
	1 m2 Minimum	Maximum	Overall Ave.		Total #	Ave. #/grid	1 m2 Minimum	1 m2 Maximum	1 m2 Ave.	
dpm/100cm2:	5	500	88		251	4	0	9,000	380	dpm/100cm2

5m x 5m Grids (no background subtracted)					
# of Grids	Area (m^2)	Ave. Minimum	Ave. Maximum	Overall Ave.	
66	794	10	641	178	dpm/100cm2

NOTES:
1. 5m x 5m grids.
2. Results reported in units of dpm/100cm2 unless otherwise indicated.

TABLE 6

OF

APPENDIX II

TABLE 6

OF

APPENDIX II

TABLE 6 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 1

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
1	160	240	25	0				160	240	40
2	110	320	60	0				110	320	66
3	140	240	65	0				140	240	91
4	320	480	65	0				320	480	208
5	65	240	60	0				65	240	39
6	10	40	75	0				10	40	8
7	10	40	55	0				10	40	6
8	10	40	60	0				10	40	6
9	10	80	60	0				10	80	6
10	60	200	60	0				60	200	36
11	100	600	50	0				100	600	50
12	100	160	50	1	1	380	1200	122	1,200	61
13	<350	<350	70	4	1	80	160	42	800	29
					2	210	320			
					3	200	800			
					4	240	800			
14	20	80	70	1	1	20	80	20	80	14
15	20	80	100	1	1	40	160	21	160	21
16	30	160	60	0				30	160	18
17	20	80	60	1	1	20	80	20	80	12
18	40	160	100	0				40	160	40
19	20	160	80	1	1	50	240	22	240	17
20	40	160	70	0				40	160	28
21	50	80	80	0				50	80	40
22	10	40	40	1	1	10	80	10	80	4
23	20	160	100	2	1	40	160	25	480	25
					2	120	480			
24	20	180	88	2	1	120	480	32	560	28
					2	180	560			
25	80	320	95	1	1	258	800	87	800	83
26	140	240	60	1	1	120	240	139	240	83
27	40	160	75	0				40	160	30
28	160	240	88	0				160	240	141
29	40	60	60	5	1	2100	6400	260	6,400	156
					2	200	800			
					3	760	2400			
					4	300	1400			
					5	140	320			
30	200	320	100	7	1	160	320	334	6,400	334
					2	60	240			
					3	2,280	4,800			
					4	1,700	6,400			
					5	400	2,000			
					6	80	400			
					7	80	320			
31	100	240	85	1	1	220	640	105	1,440	90
32	10	40	40	2	1	120	1,440	28	1,440	11
					2	80	1,200			
33	5	20	25	0				5	20	1
34	80	160	20	2	1	40	160	84	480	17
					2	140	480			

TABLE 6 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 2

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
35	120	240	93	3	1	270	800	181	1,840	168
					2	280	1,040			
					3	1,220	1,840			
36	15	60	100	2	1	0	0	18	800	18
					2	100	800			
37	80	160	100	11	1	420	800	150	1,600	150
					2	340	800			
					3	240	640			
					4	540	800			
					5	160	400			
					6	60	160			
					7	100	240			
					8	120	320			
					9	220	240			
					10	180	560			
					11	240	1,600			
42	60	160	100	7	1	140	400	82	640	82
					2	248	640			
					3	240	400			
					4	40	80			
					5	100	240			
					6	10	40			
					7	200	400			
43	10	40	100	6	1	500	800	79	960	79
					2	500	960			
					3	300	640			
					4	120	440			
					5	200	760			
					6	160	640			
44	10	40	100	7	1	415	640	175	4,000	175
					2	480	2,000			
					3	875	2,000			
					4	1,200	4,000			
					5	560	1,600			
					6	500	800			
					7	160	400			
50	5	40	100	2	1	260	600	30	1,360	30
					2	380	1,360			
51	10	60	100	11	1	480	1,600	145	2,100	145
					2	150	400			
					3	40	160			
					4	140	400			
					5	220	800			
					6	180	400			
					7	180	480			
					8	1,500	2,100			
					9	320	880			
					10	100	160			
					11	165	320			
52	160	320	100	10	1	540	1,600	641	16,000	641
					2	360	1,040			
					3	300	1,040			
					4	220	400			
					5	240	560			
					6	1,100	4,000			
					7	9,000	16,000			
					8	880	3,200			
					9	420	480			
					10	560	1,280			
53	10	60	100	13	1	400	800	250	4,000	250
					2	1,440	4,000			
					3	720	1,280			
					4	340	640			
					5	180	320			
					6	160	320			
					7	340	400			
					8	740	1,280			
					9	410	1,200			
					10	480	800			
					11	600	800			
					12	160	320			
					13	160	600			

TABLE 6 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 3

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
56	80	160	100	9	1	200	800	363	15,600	363
					2	630	1,040			
					3	840	1,760			
					4	380	640			
					5	800	1,120			
					6	4,000	15,600			
					7	220	320			
					8	100	160			
					9	620	1,280			
57	240	720	100	12	1	580	960	311	4,000	311
					2	220	480			
					3	180	480			
					4	160	240			
					5	340	800			
					6	120	320			
					7	180	320			
					8	480	880			
					9	160	240			
					10	540	800			
					11	220	400			
					12	1,470	4,000			
58	280	480	100	9	1	580	1,440	294	1,440	294
					2	180	240			
					3	380	640			
					4	100	240			
					5	500	720			
					6	140	240			
					7	100	160			
					8	700	880			
					9	180	480			
59	70	160	100	2	1	200	320	73	320	73
					2	10	40			
66	10	80	100	2	1	560	800	42	800	42
					2	270	640			
67	40	160	100	7	1	60	160	101	1,240	101
					2	520	1,040			
					3	170	320			
					4	120	240			
					5	380	400			
					6	530	1,240			
					7	20	80			
68	350	1,360	100	4	1	220	560	331	880	331
					2	140	240			
					3	240	400			
					4	320	880			
71	140	560	100	1	1	1,280	4,000	186	4,000	186
74	10	40	100	7	1	960	3,200	72	3,200	72
					2	60	240			
					3	280	640			
					4	240	640			
					5	10	40			
					6	60	240			
					7	20	80			
75	20	80	100	5	1	10	40	29	480	29
					2	80	160			
					3	60	180			
					4	10	40			
					5	160	480			
81	100	240	85	9	1	150	320	203	2,200	172
					2	680	1,600			
					3	640	1,040			
					4	220	480			
					5	100	240			
					6	20	80			
					7	322	640			
					8	220	320			
					9	730	2,200			
82	20	80	100	12	1	300	1,320	158	4,320	158
					2	280	640			
					3	280	480			
					4	160	4,320			
					5	200	400			
					6	805	2,100			
					7	420	1,120			
					8	540	1,200			
					9	10	40			
					10	280	640			
					11	220	480			
					12	200	240			

TABLE 6 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 4

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
83	500	1,360	100	11	1	1,120	3,600	511	4,800	511
					2	520	1,200			
					3	440	800			
					4	480	1,360			
					5	140	320			
					6	140	240			
					7	280	800			
					8	2,080	4,800			
					9	220	400			
					10	200	560			
					11	160	320			
91	80	160	100	12	1	260	720	201	1,760	201
					2	300	880			
					3	300	400			
					4	140	240			
					5	280	400			
					6	880	1,760			
					7	520	720			
					8	480	720			
					9	140	240			
					10	220	480			
					11	140	240			
					12	320	720			
93	80	160	100	9	1	1,000	1,440	222	1,680	222
					2	1,320	1,680			
					3	80	160			
					4	520	980			
					5	100	160			
					6	560	1,600			
					7	180	480			
					8	500	1,600			
					9	20	80			
94	10	40	100	1	1	220	800	18	800	18
103	10	40	100	0				10	40	10
105	40	80	97	14	1	260	400	213	3,200	207
					2	540	1,440			
					3	140	240			
					4	280	640			
					5	1,200	3,200			
					5	20	80			
					7	180	240			
					8	380	720			
					9	400	720			
					10	160	240			
					11	280	320			
					12	320	640			
					13	160	320			
					14	440	880			
110	20	80	100	8	1	20	80	97	1,520	97
					2	220	560			
					3	240	400			
					4	40	80			
					5	640	800			
					6	260	720			
					7	600	1,520			
					8	60	160			
111	10	40	96	10	1	260	480	121	1,600	116
					2	160	560			
					3	240	480			
					4	140	320			
					5	680	1,600			
					6	70	160			
					7	260	400			
					8	540	980			
					9	160	240			
					10	260	400			
133	120	160	100	14	1	160	320	168	1,600	168
					2	220	720			
					3	40	160			
					4	320	560			
					5	200	320			
					6	260	480			
					7	50	160			
					8	140	240			
					9	140	320			
					10	400	1,600			
					11	10	40			
					12	455	1,200			
					13	220	400			
					14	260	560			

TABLE 6 - SUB-AREA "F" CONCRETE-ALL FINAL SURVEY DATA
GROSS ALPHA RESULTS SUMMARY (All Sampled Grids)
PAGE 5

REP. AREA NET READING (dpm/100cm2)				TOTAL # OF	HOT SPOT DATA (net reading)			5m x 5m GRID (dpm/100cm2)		
GRID #	AVE	MAX	% CONCRETE	HOT SPOTS	#	AVE	MAX	AVE	MAX	WT. AVG.
134	20	80	96	17	1	40	160	60	400	58
					2	80	160			
					3	80	160			
					4	10	40			
					5	220	400			
					6	100	240			
					7	180	400			
					8	60	160			
					9	40	160			
					10	20	80			
					11	40	160			
					12	40	160			
					13	20	80			
					14	60	240			
					15	120	240			
					16	140	320			
					17	60	160			

Representative Areas (no background subtracted)

	1 m2 Minimum	Maximum	Overall Ave.
dpm/100cm2:	5	500	67

Hot Spots (no background subtracted)

Total #	Ave. #/grid	1 m2 Minimum	1 m2 Maximum	1 m2 Ave.	
280	4	0	9,000	369	dpm/100cm2

5m x 5m Grids (background subtracted)

# of Grids	Area (m^2)	Ave. Minimum	Ave. Maximum	Overall Ave.	
66	1,355	5	641	125	dpm/100cm2

NOTES:
1. 5m x 5m grids.
2. Results reported in units of dpm/100cm2 unless otherwise indicated.

APPENDIX 3 – AVERAGE CONCRETE THICKNESS CALCULATIONS

Concrete Rubble from the Uranium Plant, U-Yard Area, Pu Plant

Slab #	Width (ft.)	Length (ft.)	Thickness (ft.)	Volume (ft^3)	Weighted Average Thickness (ft.)
1	8	5	0.66	26.4	5.447E-04
2	19	4	0.5	38.0	5.940E-04
3	32	5	1	160.0	5.002E-03
4	42	3	0.16	20.2	1.008E-04
5	76	4	0.16	48.6	2.433E-04
6	100	3	0.16	48.0	2.401E-04
7	40	60	0.83	1,992.0	5.169E-02
8	9	6	0.5	27.0	4.221E-04
9	16	4	0.83	53.1	1.378E-03
10	21	6.6	0.83	115.0	2.985E-03
11	5	5	0.83	20.8	5.384E-04
12	40	24	0.83	796.8	2.068E-02
13	12	30	0.5	180.0	2.814E-03
14	60	4.5	1.2	324.0	1.216E-02
15	132	12	0.66	1,045.4	2.157E-02
16	60	12	0.66	475.2	9.805E-03
17	15	15	2	450.0	2.814E-02
18	89	12	0.66	704.9	1.454E-02
19	156	12	0.66	1,235.5	2.549E-02
20	18	12	0.66	142.6	2.942E-03
21	40	6	1.25	300.0	1.172E-02
22	12	12	5	720.0	1.126E-01
23	14	14	3	588.0	5.515E-02
24	46	10	0.5	230.0	3.595E-03
25	67	15	2	2,010.0	1.257E-01
26	11	49.5	0.5	272.3	4.256E-03
27	45	10	0.5	225.0	3.517E-03
28	100	1.5	0.5	75.0	1.172E-03
29	20	20	0.33	132.0	1.362E-03
30	150	0.5	0.5	37.5	5.862E-04

Concrete Rubble from Pu Plant Floor and Yard

Slab #	Width (ft.)	Length (ft.)	Thickness (ft.)	Volume (ft^3)	Weighted Average Thickness (ft.)
31	30	0.5	0.5	7.5	1.172E-04
32	3	5	0.5	7.5	1.172E-04
33	5	6	0.33	9.9	1.021E-04
34	9	3	0.33	8.9	9.193E-05
35	54	0.66	0.66	23.5	4.854E-04
36	50	4	0.17	34.0	1.807E-04
37	24	18	0.66	285.1	5.883E-03
38	27	24	0.66	427.7	8.825E-03
39	23	13	0.66	197.3	4.072E-03
40	24	13	0.66	205.9	4.249E-03
41	10	10	0.66	66.0	1.362E-03
42	3	4	0.5	6.0	9.379E-05
43	3	4	0.5	6.0	9.379E-05
44	3	5	0.5	7.5	1.172E-04
45	2	5	0.5	5.0	7.816E-05
46	15	3	0.5	22.5	3.517E-04
47	3	4	0.5	6.0	9.379E-05
48	14	3	0.5	21.0	3.283E-04
49	3	3	0.5	4.5	7.034E-05
50	11	3	0.5	16.5	2.579E-04
51	12	3	0.5	18.0	2.814E-04
52	8	4	0.5	16.0	2.501E-04
53	Note 1	Note 1	0.5	2,908.0	4.546E-02

Concrete Rubble from U Plant and Vaporizer Room Floor

Slab #	Width (ft.)	Length (ft.)	Thickness (ft.)	Volume (ft^3)	Weighted Average Thickness (ft.)
54	180	3.3	0.5	297.0	4.643E-03
55	30	5	0.5	75.0	1.172E-03
56	76	11	0.5	418.0	6.534E-03
57	21	21	0.5	220.5	3.447E-03
58	26.6	3.3	0.5	43.9	6.861E-04
59	23.1	8	0.5	92.4	1.444E-03
60	6.6	6.6	0.5	21.8	3.405E-04
61	80	40	0.5	1,600.0	2.501E-02
62	40	20	0.5	400.0	6.253E-03
63	180	3.3	0.5	297.0	4.643E-03
64	40	3.3	0.5	66.0	1.032E-03
65	40	23.1	0.5	462.0	7.222E-03
66	36.5	20	0.5	365.0	5.706E-03
67	80	8	0.5	320.0	5.002E-03
68	66.6	3.3	0.5	109.9	1.718E-03
69	36.3	1.5	0.5	27.2	4.256E-04
70	8	9	0.5	36.0	5.628E-04
71	50	20	0.5	500.0	7.816E-03
72	40	3.3	0.5	66.0	1.032E-03
73	80	6.6	0.5	264.0	4.127E-03
74	26.6	20	0.5	266.0	4.158E-03
75	80	40	0.5	1,600.0	2.501E-02
76	20	13.2	0.5	132.0	2.063E-03
77	20	6	0.5	60.0	9.379E-04
78	74	33	0.5	1,221.0	1.909E-02

Concrete Rubble from U Yard and Buildings #2 and #3

Slab #	Width (ft.)	Length (ft.)	Thickness (ft.)	Volume (ft^3)	Weighted Average Thickness (ft.)
79	20	60	0.83	996.0	2.585E-02
80	55	21	2	2,310.0	1.444E-01
81	546	1.5	0.5	409.5	6.401E-03
82	72	3	2.5	540.0	4.221E-02
83	20	7	1	140.0	4.377E-03
84	40	24	1	960.0	3.001E-02
85	64	3	1	192.0	6.003E-03
86	24	5	0.33	39.6	4.086E-04
87	62	2.5	2	310.0	1.938E-02
88	30	2	1	60.0	1.876E-03
89	4	4	4	64.0	8.004E-03
90	10	4	0.5	20.0	3.126E-04
91	45	4	1	180.0	5.628E-03

Average Thickness (ft)	Total Volume (ft^3)	Weighted Ave. Thickness (ft)
0.75	**31,985**	**1.03**

Note 1: Miscellaneous Rubble (Estimate)

APPENDIX 4 – RESRAD OUTPUT

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Dose Conversion Factor (and Related) Parameter Summary
File: DOSFAC30.BIN

Menu	Parameter	Current Value	Default	Parameter Name
B-1	Dose conversion factors for inhalation, mrem/pCi:			
B-1	Ac-227+D	6.720E+00	6.720E+00	DCF2(1)
B-1	Pa-231	1.280E+00	1.280E+00	DCF2(2)
B-1	Pb-210+D	1.380E-02	1.380E-02	DCF2(3)
B-1	Po-210	9.400E-03	9.400E-03	DCF2(4)
B-1	Ra-226+D	8.600E-03	8.600E-03	DCF2(5)
B-1	Th-230	3.260E-01	3.260E-01	DCF2(6)
B-1	U-234	1.320E-01	1.320E-01	DCF2(7)
B-1	U-235+D	1.230E-01	1.230E-01	DCF2(8)
B-1	U-238+D	1.180E-01	1.180E-01	DCF2(9)
D-1	Dose conversion factors for ingestion, mrem/pCi:			
D-1	Ac-227+D	1.480E-02	1.480E-02	DCF3(1)
D-1	Pa-231	1.060E-02	1.060E-02	DCF3(2)
D-1	Pb-210+D	5.370E-03	5.370E-03	DCF3(3)
D-1	Po-210	1.900E-03	1.900E-03	DCF3(4)
D-1	Ra-226+D	1.330E-03	1.330E-03	DCF3(5)
D-1	Th-230	5.480E-04	5.480E-04	DCF3(6)
D-1	U-234	2.830E-04	2.830E-04	DCF3(7)
D-1	U-235+D	2.670E-04	2.670E-04	DCF3(8)
D-1	U-238+D	2.690E-04	2.690E-04	DCF3(9)
D-34	Food transfer factors:			
D-34	Ac-227+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(1,1)
D-34	Ac-227+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	2.000E-05	2.000E-05	RTF(1,2)
D-34	Ac-227+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-05	2.000E-05	RTF(1,3)
D-34				
D-34	Pa-231 , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF(2,1)
D-34	Pa-231 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF(2,2)
D-34	Pa-231 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(2,3)
D-34				
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02	1.000E-02	RTF(3,1)
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04	8.000E-04	RTF(3,2)
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04	3.000E-04	RTF(3,3)
D-34				
D-34	Po-210 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(4,1)
D-34	Po-210 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03	5.000E-03	RTF(4,2)
D-34	Po-210 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.400E-04	3.400E-04	RTF(4,3)
D-34				
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02	4.000E-02	RTF(5,1)
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03	1.000E-03	RTF(5,2)
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03	1.000E-03	RTF(5,3)
D-34				
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03	1.000E-03	RTF(6,1)
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04	1.000E-04	RTF(6,2)
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06	5.000E-06	RTF(6,3)
D-34				
D-34	U-234 , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(7,1)
D-34	U-234 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(7,2)
D-34	U-234 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(7,3)
D-34				

Dose Conversion Factor (and Related) Parameter Summary (continued)
File: DOSFAC30.BIN

Menu	Parameter	Current Value	Default	Parameter Name
D-34	U-235+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(8,1)
D-34	U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(8,2)
D-34	U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(8,3)
D-34				
D-34	U-238+D , plant/soil concentration ratio, dimensionless	2.500E-03	2.500E-03	RTF(9,1)
D-34	U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04	3.400E-04	RTF(9,2)
D-34	U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04	6.000E-04	RTF(9,3)
D-5	Bioaccumulation factors, fresh water, L/kg:			
D-5	Ac-227+D , fish	1.500E+01	1.500E+01	BIOFAC(1,1)
D-5	Ac-227+D , crustacea and mollusks	1.000E+03	1.000E+03	BIOFAC(1,2)
D-5				
D-5	Pa-231 , fish	1.000E+01	1.000E+01	BIOFAC(2,1)
D-5	Pa-231 , crustacea and mollusks	1.100E+02	1.100E+02	BIOFAC(2,2)
D-5				
D-5	Pb-210+D , fish	3.000E+02	3.000E+02	BIOFAC(3,1)
D-5	Pb-210+D , crustacea and mollusks	1.000E+02	1.000E+02	BIOFAC(3,2)
D-5				
D-5	Po-210 , fish	1.000E+02	1.000E+02	BIOFAC(4,1)
D-5	Po-210 , crustacea and mollusks	2.000E+04	2.000E+04	BIOFAC(4,2)
D-5				
D-5	Ra-226+D , fish	5.000E+01	5.000E+01	BIOFAC(5,1)
D-5	Ra-226+D , crustacea and mollusks	2.500E+02	2.500E+02	BIOFAC(5,2)
D-5				
D-5	Th-230 , fish	1.000E+02	1.000E+02	BIOFAC(6,1)
D-5	Th-230 , crustacea and mollusks	5.000E+02	5.000E+02	BIOFAC(6,2)
D-5				
D-5	U-234 , fish	1.000E+01	1.000E+01	BIOFAC(7,1)
D-5	U-234 , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC(7,2)
D-5				
D-5	U-235+D , fish	1.000E+01	1.000E+01	BIOFAC(8,1)
D-5	U-235+D , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC(8,2)
D-5				
D-5	U-238+D , fish	1.000E+01	1.000E+01	BIOFAC(9,1)
D-5	U-238+D , crustacea and mollusks	6.000E+01	6.000E+01	BIOFAC(9,2)

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R011	Area of contaminated zone (m**2)	2.970E+03	1.000E+04	---	AREA
R011	Thickness of contaminated zone (m)	3.048E-01	2.000E+00	---	THICK0
R011	Length parallel to aquifer flow (m)	1.000E+02	1.000E+02	---	LCZPAQ
R011	Basic radiation dose limit (mrem/yr)	3.000E+01	3.000E+01	---	BRDL
R011	Time since placement of material (yr)	2.000E+01	0.000E+00	---	TI
R011	Times for calculations (yr)	1.000E+00	1.000E+00	---	T(2)
R011	Times for calculations (yr)	3.000E+00	3.000E+00	---	T(3)
R011	Times for calculations (yr)	1.000E+01	1.000E+01	---	T(4)
R011	Times for calculations (yr)	3.000E+01	3.000E+01	---	T(5)
R011	Times for calculations (yr)	1.000E+02	1.000E+02	---	T(6)
R011	Times for calculations (yr)	3.000E+02	3.000E+02	---	T(7)
R011	Times for calculations (yr)	5.000E+02	1.000E+03	---	T(8)
R011	Times for calculations (yr)	9.000E+02	0.000E+00	---	T(9)
R011	Times for calculations (yr)	1.000E+03	0.000E+00	---	T(10)
R012	Initial principal radionuclide (pCi/g): U-234	2.300E+00	0.000E+00	---	S1(7)
R012	Initial principal radionuclide (pCi/g): U-235	5.000E-02	0.000E+00	---	S1(8)
R012	Initial principal radionuclide (pCi/g): U-238	6.000E-01	0.000E+00	---	S1(9)
R012	Concentration in groundwater (pCi/L): U-234	not used	0.000E+00	---	W1(7)
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00	---	W1(8)
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00	---	W1(9)
R013	Cover depth (m)	0.000E+00	0.000E+00	---	COVER0
R013	Density of cover material (g/cm**3)	not used	1.500E+00	---	DENSCV
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03	---	VCV
R013	Density of contaminated zone (g/cm**3)	1.800E+00	1.500E+00	---	DENSCZ
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03	---	VCZ
R013	Contaminated zone total porosity	3.000E-01	4.000E-01	---	TPCZ
R013	Contaminated zone effective porosity	2.000E-01	2.000E-01	---	EPCZ
R013	Contaminated zone hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCCZ
R013	Contaminated zone b parameter	5.300E+00	5.300E+00	---	BCZ
R013	Humidity in air (g/cm**3)	not used	8.000E+00	---	HUMID
R013	Evapotranspiration coefficient	5.000E-01	5.000E-01	---	EVAPTR
R013	Precipitation (m/yr)	1.000E+00	1.000E+00	---	PRECIP
R013	Irrigation (m/yr)	7.600E-01	2.000E-01	---	RI
R013	Irrigation mode	overhead	overhead	---	IDITCH
R013	Runoff coefficient	2.000E-01	2.000E-01	---	RUNOFF
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06	---	WAREA
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03	---	EPS
R014	Density of saturated zone (g/cm**3)	1.630E+00	1.500E+00	---	DENSAQ
R014	Saturated zone total porosity	3.000E-01	4.000E-01	---	TPSZ
R014	Saturated zone effective porosity	2.000E-01	2.000E-01	---	EPSZ
R014	Saturated zone hydraulic conductivity (m/yr)	1.000E+02	1.000E+02	---	HCSZ
R014	Saturated zone hydraulic gradient	2.000E-02	2.000E-02	---	HGWT
R014	Saturated zone b parameter	5.300E+00	5.300E+00	---	BSZ
R014	Water table drop rate (m/yr)	0.000E+00	1.000E-03	---	VWT
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01	---	DWIBWT
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND	---	MODEL
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02	---	UW

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R015	Number of unsaturated zone strata	1	1	---	NS
R015	Unsat. zone 1, thickness (m)	4.000E+00	4.000E+00	---	H(1)
R015	Unsat. zone 1, soil density (g/cm**3)	1.630E+00	1.500E+00	---	DENSUZ(1)
R015	Unsat. zone 1, total porosity	3.000E-01	4.000E-01	---	TPUZ(1)
R015	Unsat. zone 1, effective porosity	2.000E-01	2.000E-01	---	EPUZ(1)
R015	Unsat. zone 1, soil-specific b parameter	5.300E+00	5.300E+00	---	BUZ(1)
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	1.000E+01	1.000E+01	---	HCUZ(1)
R016	Distribution coefficients for U-234				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(7)
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCU(7,1)
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCS(7)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.836E-02	ALEACH(7)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(7)
R016	Distribution coefficients for U-235				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(8)
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCU(8,1)
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCS(8)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.836E-02	ALEACH(8)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(8)
R016	Distribution coefficients for U-238				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(9)
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCU(9,1)
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCS(9)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.836E-02	ALEACH(9)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(9)
R016	Distribution coefficients for daughter Ac-227				
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCC(1)
R016	Unsaturated zone 1 (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCU(1,1)
R016	Saturated zone (cm**3/g)	2.000E+01	2.000E+01	---	DCNUCS(1)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	7.060E-02	ALEACH(1)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(1)
R016	Distribution coefficients for daughter Pa-231				
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCC(2)
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCU(2,1)
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01	---	DCNUCS(2)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.836E-02	ALEACH(2)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(2)
R016	Distribution coefficients for daughter Pb-210				
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCC(3)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCU(3,1)
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02	---	DCNUCS(3)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.420E-02	ALEACH(3)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(3)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R016	Distribution coefficients for daughter Po-210				
R016	Contaminated zone (cm**3/g)	1.000E+01	1.000E+01	---	DCNUCC(4)
R016	Unsaturated zone 1 (cm**3/g)	1.000E+01	1.000E+01	---	DCNUCU(4,1)
R016	Saturated zone (cm**3/g)	1.000E+01	1.000E+01	---	DCNUCS(4)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	1.402E-01	ALEACH(4)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(4)
R016	Distribution coefficients for daughter Ra-226				
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCC(5)
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCU(5,1)
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01	---	DCNUCS(5)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.027E-02	ALEACH(5)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(5)
R016	Distribution coefficients for daughter Th-230				
R016	Contaminated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCC(6)
R016	Unsaturated zone 1 (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCU(6,1)
R016	Saturated zone (cm**3/g)	6.000E+04	6.000E+04	---	DCNUCS(6)
R016	Leach rate (/yr)	0.000E+00	0.000E+00	2.369E-05	ALEACH(6)
R016	Solubility constant	0.000E+00	0.000E+00	not used	SOLUBK(6)
R017	Inhalation rate (m**3/yr)	1.051E+04	8.400E+03	---	INHALR
R017	Mass loading for inhalation (g/m**3)	2.000E-04	2.000E-04	---	MLINH
R017	Dilution length for airborne dust, inhalation (m)	3.000E+00	3.000E+00	---	LM
R017	Exposure duration	5.000E+01	3.000E+01	---	ED
R017	Shielding factor, inhalation	5.000E-01	4.000E-01	---	SHF3
R017	Shielding factor, external gamma	3.300E-01	7.000E-01	---	SHF1
R017	Fraction of time spent indoors	5.500E-01	5.000E-01	---	FIND
R017	Fraction of time spent outdoors (on site)	2.100E-01	2.500E-01	---	FOTD
R017	Shape factor flag, external gamma	1.000E+00	1.000E+00	1 shows circular AREA.	FS
R017	Radii of shape factor array (used if FS = -1):				
R017	Outer annular radius (m), ring 1:	not used	5.000E+01	---	RAD SHAPE(1)
R017	Outer annular radius (m), ring 2:	not used	7.071E+01	---	RAD SHAPE(2)
R017	Outer annular radius (m), ring 3:	not used	0.000E+00	---	RAD SHAPE(3)
R017	Outer annular radius (m), ring 4:	not used	0.000E+00	---	RAD SHAPE(4)
R017	Outer annular radius (m), ring 5:	not used	0.000E+00	---	RAD SHAPE(5)
R017	Outer annular radius (m), ring 6:	not used	0.000E+00	---	RAD SHAPE(6)
R017	Outer annular radius (m), ring 7:	not used	0.000E+00	---	RAD SHAPE(7)
R017	Outer annular radius (m), ring 8:	not used	0.000E+00	---	RAD SHAPE(8)
R017	Outer annular radius (m), ring 9:	not used	0.000E+00	---	RAD SHAPE(9)
R017	Outer annular radius (m), ring 10:	not used	0.000E+00	---	RAD SHAPE(10)
R017	Outer annular radius (m), ring 11:	not used	0.000E+00	---	RAD SHAPE(11)
R017	Outer annular radius (m), ring 12:	not used	0.000E+00	---	RAD_SHAPE(12)

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
R017	Fractions of annular areas within AREA:				
R017	Ring 1	not used	1.000E+00	---	FRACA(1)
R017	Ring 2	not used	2.732E-01	---	FRACA(2)
R017	Ring 3	not used	0.000E+00	---	FRACA(3)
R017	Ring 4	not used	0.000E+00	---	FRACA(4)
R017	Ring 5	not used	0.000E+00	---	FRACA(5)
R017	Ring 6	not used	0.000E+00	---	FRACA(6)
R017	Ring 7	not used	0.000E+00	---	FRACA(7)
R017	Ring 8	not used	0.000E+00	---	FRACA(8)
R017	Ring 9	not used	0.000E+00	---	FRACA(9)
R017	Ring 10	not used	0.000E+00	---	FRACA(10)
R017	Ring 11	not used	0.000E+00	---	FRACA(11)
R017	Ring 12	not used	0.000E+00	---	FRACA(12)
R018	Fruits, vegetables and grain consumption (kg/yr)	1.660E+02	1.600E+02	---	DIET(1)
R018	Leafy vegetable consumption (kg/yr)	1.100E+01	1.400E+01	---	DIET(2)
R018	Milk consumption (L/yr)	1.000E+02	9.200E+01	---	DIET(3)
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01	---	DIET(4)
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00	---	DIET(5)
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01	---	DIET(6)
R018	Soil ingestion rate (g/yr)	1.825E+01	3.650E+01	---	SOIL
R018	Drinking water intake (L/yr)	7.300E+02	5.100E+02	---	DWI
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00	---	FDW
R018	Contamination fraction of household water	not used	1.000E+00	---	FHHW
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00	---	FLW
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00	---	FIRW
R018	Contamination fraction of aquatic food	5.000E-01	5.000E-01	---	FR9
R018	Contamination fraction of plant food	-1	-1	0.500E+00	FPLANT
R018	Contamination fraction of meat	-1	-1	0.148E+00	FMEAT
R018	Contamination fraction of milk	-1	-1	0.148E+00	FMILK
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01	---	LFI5
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01	---	LFI6
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01	---	LWI5
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02	---	LWI6
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01	---	LSI
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04	---	MLFD
R019	Depth of soil mixing layer (m)	1.500E-01	1.500E-01	---	DM
R019	Depth of roots (m)	9.000E-01	9.000E-01	---	DROOT
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00	---	FGWDW
R019	Household water fraction from ground water	1.000E+00	1.000E+00	---	FGWHH
R019	Livestock water fraction from ground water	not used	1.000E+00	---	FGWLW
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00	---	FGWIR
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05	---	C12WTR
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02	---	C12CZ
C14	Fraction of vegetation carbon from soil	not used	2.000E-02	---	CSOIL
C14	Fraction of vegetation carbon from air	not used	9.800E-01	---	CAIR
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01	---	DMC
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07	---	EVSN
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10	---	REVSN

Site-Specific Parameter Summary (continued)

Menu	Parameter	User Input	Default	Used by RESRAD (If different from user input)	Parameter Name
C14	Fraction of grain in beef cattle feed	not used	8.000E-01	---	AVFG4
C14	Fraction of grain in milk cow feed	not used	2.000E-01	---	AVFG5
STOR	Storage times of contaminated foodstuffs (days):				
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01	---	STOR T(1)
STOR	Leafy vegetables	1.000E+00	1.000E+00	---	STOR T(2)
STOR	Milk	1.000E+00	1.000E+00	---	STOR T(3)
STOR	Meat and poultry	2.000E+01	2.000E+01	---	STOR T(4)
STOR	Fish	7.000E+00	7.000E+00	---	STOR T(5)
STOR	Crustacea and mollusks	7.000E+00	7.000E+00	---	STOR T(6)
STOR	Well water	1.000E+00	1.000E+00	---	STOR T(7)
STOR	Surface water	1.000E+00	1.000E+00	---	STOR T(8)
STOR	Livestock fodder	4.500E+01	4.500E+01	---	STOR_T(9)
R021	Thickness of building foundation (m)	not used	1.500E-01	---	FLOOR
R021	Bulk density of building foundation (g/cm**3)	not used	2.400E+00	---	DENSFL
R021	Total porosity of the cover material	not used	4.000E-01	---	TPCV
R021	Total porosity of the building foundation	not used	1.000E-01	---	TPFL
R021	Volumetric water content of the cover material	not used	5.000E-02	---	PH2OCV
R021	Volumetric water content of the foundation	not used	3.000E-02	---	PH2OFL
R021	Diffusion coefficient for radon gas (m/sec):				
R021	in cover material	not used	2.000E-06	---	DIFCV
R021	in foundation material	not used	3.000E-07	---	DIFFL
R021	in contaminated zone soil	not used	2.000E-06	---	DIFCZ
R021	Radon vertical dimension of mixing (m)	not used	2.000E+00	---	HMIX
R021	Average annual wind speed (m/sec)	not used	2.000E+00	---	WIND
R021	Average building air exchange rate (1/hr)	not used	5.000E-01	---	REXG
R021	Height of the building (room) (m)	not used	2.500E+00	---	HRM
R021	Building interior area factor	not used	0.000E+00	---	FAI
R021	Building depth below ground surface (m)	not used	-1.000E+00	---	DMFL
R021	Emanating power of Rn-222 gas	not used	2.500E-01	---	EMANA(1)
R021	Emanating power of Rn-220 gas	not used	1.500E-01	---	EMANA(2)

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	suppressed

Contaminated Zone Dimensions		Initial Soil Concentrations, pCi/g	
Area:	2970.00 square meters	U-234	2.300E+00
Thickness:	0.30 meters	U-235	5.000E-02
Cover Depth:	0.00 meters	U-238	6.000E-01

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 30 mrem/yr
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Received at Time (t)

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	5.000E+02	9.000E+02	1.000E+03
TDOSE(t):	4.914E-01	4.775E-01	4.508E-01	3.687E-01	2.075E-01	2.795E-02	8.502E-01	1.183E+00	1.240E+00	3.678E-01
M(t):	1.638E-02	1.592E-02	1.503E-02	1.229E-02	6.918E-03	9.317E-04	2.834E-02	3.943E-02	4.133E-02	1.226E-02

Maximum TDOSE(t): 1.240E+00 mrem/yr at t = 902.1 ± 0.9 years

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 902.1 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 902.1 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	7.822E-01	0.6309	1.209E-03	0.0010	0.000E+00	0.0000	1.536E-01	0.1239	2.442E-03	0.0020	5.041E-03	0.0041	9.445E-01	0.7618
U-235	5.952E-02	0.0480	7.185E-05	0.0001	0.000E+00	0.0000	1.171E-02	0.0094	4.297E-04	0.0003	1.084E-04	0.0001	7.184E-02	0.0579
U-238	1.853E-01	0.1495	4.109E-05	0.0000	0.000E+00	0.0000	3.645E-02	0.0294	4.192E-04	0.0003	1.220E-03	0.0010	2.235E-01	0.1802
Total	1.027E+00	0.8284	1.322E-03	0.0011	0.000E+00	0.0000	2.018E-01	0.1627	3.291E-03	0.0027	6.369E-03	0.0051	1.240E+00	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	3.424E-04	0.0007	2.934E-01	0.5970	0.000E+00	0.0000	4.914E-02	0.1000	1.158E-03	0.0024	3.178E-03	0.0065	9.028E-03	0.0184
U-235	1.403E-02	0.0285	5.943E-03	0.0121	0.000E+00	0.0000	1.008E-03	0.0021	2.376E-05	0.0000	6.519E-05	0.0001	1.852E-04	0.0004
U-238	3.005E-02	0.0612	6.841E-02	0.1392	0.000E+00	0.0000	1.218E-02	0.0248	2.872E-04	0.0006	7.882E-04	0.0016	2.239E-03	0.0046
Total	4.442E-02	0.0904	3.677E-01	0.7483	0.000E+00	0.0000	6.233E-02	0.1268	1.469E-03	0.0030	4.032E-03	0.0082	1.145E-02	0.0233

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 0.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.562E-01	0.7249
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.125E-02	0.0432
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.140E-01	0.2319
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.914E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	3.329E-04	0.0007	2.852E-01	0.5972	0.000E+00	0.0000	4.761E-02	0.0997	1.125E-03	0.0024	3.089E-03	0.0065	8.776E-03	0.0184
U-235	1.364E-02	0.0286	5.778E-03	0.0121	0.000E+00	0.0000	9.798E-04	0.0021	2.346E-05	0.0000	6.335E-05	0.0001	1.801E-04	0.0004
U-238	2.921E-02	0.0612	6.650E-02	0.1393	0.000E+00	0.0000	1.181E-02	0.0247	2.791E-04	0.0006	7.659E-04	0.0016	2.176E-03	0.0046
Total	4.318E-02	0.0904	3.574E-01	0.7486	0.000E+00	0.0000	6.040E-02	0.1265	1.428E-03	0.0030	3.918E-03	0.0082	1.113E-02	0.0233

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.461E-01	0.7248
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.066E-02	0.0433
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.107E-01	0.2319
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.775E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	3.147E-04	0.0007	2.695E-01	0.5977	0.000E+00	0.0000	4.469E-02	0.0991	1.063E-03	0.0024	2.917E-03	0.0065	8.292E-03	0.0184
U-235	1.289E-02	0.0286	5.462E-03	0.0121	0.000E+00	0.0000	9.260E-04	0.0021	2.286E-05	0.0001	5.983E-05	0.0001	1.705E-04	0.0004
U-238	2.760E-02	0.0612	6.283E-02	0.1394	0.000E+00	0.0000	1.108E-02	0.0246	2.635E-04	0.0006	7.233E-04	0.0016	2.056E-03	0.0046
Total	4.080E-02	0.0905	3.378E-01	0.7492	0.000E+00	0.0000	5.670E-02	0.1258	1.349E-03	0.0030	3.700E-03	0.0082	1.052E-02	0.0233

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+00 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.267E-01	0.7247
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.953E-02	0.0433
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.046E-01	0.2319
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.508E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	2.595E-04	0.0007	2.210E-01	0.5994	0.000E+00	0.0000	3.580E-02	0.0971	8.694E-04	0.0024	2.387E-03	0.0065	6.800E-03	0.0184
U-235	1.057E-02	0.0287	4.492E-03	0.0122	0.000E+00	0.0000	7.600E-04	0.0021	2.070E-05	0.0001	4.897E-05	0.0001	1.408E-04	0.0004
U-238	2.264E-02	0.0614	5.152E-02	0.1398	0.000E+00	0.0000	8.878E-03	0.0241	2.156E-04	0.0006	5.919E-04	0.0016	1.686E-03	0.0046
Total	3.347E-02	0.0908	2.770E-01	0.7513	0.000E+00	0.0000	4.544E-02	0.1233	1.106E-03	0.0030	3.028E-03	0.0082	8.627E-03	0.0234

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.671E-01	0.7245
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.604E-02	0.0435
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	8.553E-02	0.2320
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	3.687E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	1.567E-04	0.0008	1.254E-01	0.6044	0.000E+00	0.0000	1.895E-02	0.0913	4.899E-04	0.0024	1.346E-03	0.0065	3.859E-03	0.0186
U-235	6.008E-03	0.0290	2.578E-03	0.0124	0.000E+00	0.0000	4.309E-04	0.0021	1.483E-05	0.0001	2.763E-05	0.0001	8.180E-05	0.0004
U-238	1.284E-02	0.0619	2.922E-02	0.1408	0.000E+00	0.0000	4.697E-03	0.0226	1.214E-04	0.0006	3.339E-04	0.0016	9.563E-04	0.0046
Total	1.900E-02	0.0916	1.572E-01	0.7576	0.000E+00	0.0000	2.408E-02	0.1160	6.261E-04	0.0030	1.708E-03	0.0082	4.897E-03	0.0236

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+01 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	1.502E-01	0.7239
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	9.141E-03	0.0440
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	4.817E-02	0.2321
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.075E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	6.244E-05	0.0022	1.743E-02	0.6235	0.000E+00	0.0000	1.970E-03	0.0705	6.638E-05	0.0024	1.816E-04	0.0065	5.356E-04	0.0192
U-235	8.286E-04	0.0296	3.714E-04	0.0133	0.000E+00	0.0000	5.492E-05	0.0020	3.375E-06	0.0001	3.728E-06	0.0001	1.225E-05	0.0004
U-238	1.743E-03	0.0623	4.016E-03	0.1437	0.000E+00	0.0000	4.824E-04	0.0173	1.629E-05	0.0006	4.498E-05	0.0016	1.314E-04	0.0047
Total	2.634E-03	0.0942	2.181E-02	0.7804	0.000E+00	0.0000	2.507E-03	0.0897	8.604E-05	0.0031	2.303E-04	0.0082	6.793E-04	0.0243

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	2.024E-02	0.7242
U-235	5.659E-07	0.0000	1.129E-09	0.0000	0.000E+00	0.0000	1.123E-07	0.0000	1.842E-10	0.0000	1.266E-10	0.0000	1.275E-03	0.0456
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	6.434E-03	0.2302
Total	5.659E-07	0.0000	1.129E-09	0.0000	0.000E+00	0.0000	1.123E-07	0.0000	1.842E-10	0.0000	1.266E-10	0.0000	2.795E-02	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.938E-06	0.0000	9.202E-06	0.0000	0.000E+00	0.0000	1.048E-06	0.0000	4.114E-08	0.0000	3.475E-08	0.0000	2.758E-07	0.0000
U-235	3.829E-07	0.0000	4.642E-08	0.0000	0.000E+00	0.0000	6.910E-09	0.0000	7.712E-10	0.0000	4.063E-10	0.0000	1.671E-09	0.0000
U-238	7.937E-07	0.0000	4.431E-07	0.0000	0.000E+00	0.0000	3.915E-08	0.0000	1.763E-09	0.0000	4.882E-09	0.0000	1.450E-08	0.0000
Total	7.114E-06	0.0000	9.691E-06	0.0000	0.000E+00	0.0000	1.094E-06	0.0000	4.367E-08	0.0000	4.004E-08	0.0000	2.920E-07	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 3.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	5.443E-01	0.6402	1.228E-04	0.0001	0.000E+00	0.0000	1.070E-01	0.1259	1.232E-03	0.0014	3.581E-03	0.0042	6.563E-01	0.7719
U-235	2.562E-02	0.0301	2.625E-05	0.0000	0.000E+00	0.0000	5.040E-03	0.0059	1.265E-04	0.0001	7.618E-05	0.0001	3.089E-02	0.0363
U-238	1.352E-01	0.1590	2.970E-05	0.0000	0.000E+00	0.0000	2.659E-02	0.0313	3.055E-04	0.0004	8.895E-04	0.0010	1.630E-01	0.1917
Total	7.051E-01	0.8293	1.787E-04	0.0002	0.000E+00	0.0000	1.387E-01	0.1631	1.664E-03	0.0020	4.547E-03	0.0053	8.502E-01	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 5.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 5.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	7.521E-01	0.6358	3.750E-04	0.0003	0.000E+00	0.0000	1.479E-01	0.1250	1.836E-03	0.0016	4.927E-03	0.0042	9.071E-01	0.7669
U-235	4.360E-02	0.0369	4.865E-05	0.0000	0.000E+00	0.0000	8.575E-03	0.0072	2.588E-04	0.0002	1.057E-04	0.0001	5.258E-02	0.0445
U-238	1.851E-01	0.1565	4.074E-05	0.0000	0.000E+00	0.0000	3.640E-02	0.0308	4.184E-04	0.0004	1.218E-03	0.0010	2.232E-01	0.1887
Total	9.807E-01	0.8292	4.644E-04	0.0004	0.000E+00	0.0000	1.928E-01	0.1630	2.513E-03	0.0021	6.251E-03	0.0053	1.183E+00	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 9.000E+02 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 9.000E+02 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	7.820E-01	0.6308	1.203E-03	0.0010	0.000E+00	0.0000	1.536E-01	0.1239	2.438E-03	0.0020	5.040E-03	0.0041	9.443E-01	0.7616
U-235	5.973E-02	0.0482	7.230E-05	0.0001	0.000E+00	0.0000	1.175E-02	0.0095	4.289E-04	0.0003	1.084E-04	0.0001	7.209E-02	0.0581
U-238	1.853E-01	0.1495	4.108E-05	0.0000	0.000E+00	0.0000	3.645E-02	0.0294	4.192E-04	0.0003	1.220E-03	0.0010	2.235E-01	0.1802
Total	1.027E+00	0.8284	1.317E-03	0.0011	0.000E+00	0.0000	2.018E-01	0.1627	3.286E-03	0.0027	6.368E-03	0.0051	1.240E+00	1.0000

*Sum of all water independent and dependent pathways.

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Independent Pathways (Inhalation excludes radon)

Radio-	Ground		Inhalation		Radon		Plant		Meat		Milk		Soil	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-235	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
U-238	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000
Total	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000	0.000E+00	0.0000

Total Dose Contributions TDOSE(i,p,t) for Individual Radionuclides (i) and Pathways (p)
As mrem/yr and Fraction of Total Dose At t = 1.000E+03 years

Water Dependent Pathways

Radio-	Water		Fish		Radon		Plant		Meat		Milk		All Pathways*	
Nuclide	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.	mrem/yr	fract.
U-234	2.430E-01	0.6609	1.348E-03	0.0037	0.000E+00	0.0000	4.749E-02	0.1291	1.390E-03	0.0038	1.467E-03	0.0040	2.947E-01	0.8014
U-235	1.194E-02	0.0325	1.100E-05	0.0000	0.000E+00	0.0000	2.350E-03	0.0064	1.228E-04	0.0003	2.753E-05	0.0001	1.445E-02	0.0393
U-238	4.857E-02	0.1321	1.111E-05	0.0000	0.000E+00	0.0000	9.553E-03	0.0260	1.101E-04	0.0003	3.196E-04	0.0009	5.857E-02	0.1593
Total	3.036E-01	0.8254	1.370E-03	0.0037	0.000E+00	0.0000	5.939E-02	0.1615	1.623E-03	0.0044	1.814E-03	0.0049	3.678E-01	1.0000

*Sum of all water independent and dependent pathways.

Dose/Source Ratios Summed Over All Pathways
Parent and Progeny Principal Radionuclide Contributions Indicated

Parent (i)	Product (j)	Branch Fraction	DSR(j,t) (mrem/yr)/(pCi/g) t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	5.000E+02	9.000E+02	1.000E+03
U-234	U-234	1.000E+00	1.549E-01	1.505E-01	1.420E-01	1.161E-01	6.525E-02	8.675E-03	2.853E-01	3.901E-01	3.898E-01	1.021E-01
U-234	Th-230	1.000E+00	0.000E+00	3.031E-06	8.812E-06	2.662E-05	6.152E-05	9.978E-05	3.508E-06	1.240E-06	3.496E-06	3.913E-06
U-234	Ra-226	1.000E+00	0.000E+00	1.101E-08	9.565E-08	9.429E-07	6.084E-06	2.347E-05	7.448E-06	3.186E-04	1.547E-03	1.938E-03
U-234	Pb-210	1.000E+00	0.000E+00	4.884E-11	1.005E-09	2.831E-08	4.443E-07	3.057E-06	1.310E-05	8.704E-04	4.235E-03	5.304E-03
U-234	Po-210	1.000E+00	0.000E+00	1.791E-12	6.407E-11	2.407E-09	4.267E-08	3.439E-07	4.629E-05	3.052E-03	1.501E-02	1.884E-02
U-234	∑DSR(j)		1.549E-01	1.505E-01	1.421E-01	1.161E-01	6.532E-02	8.802E-03	2.853E-01	3.944E-01	4.106E-01	1.281E-01
U-235	U-235	1.000E+00	4.250E-01	4.131E-01	3.902E-01	3.198E-01	1.810E-01	2.462E-02	2.694E-01	3.686E-01	3.687E-01	9.656E-02
U-235	Pa-231	1.000E+00	0.000E+00	1.033E-04	2.903E-04	7.801E-04	1.268E-03	4.864E-04	7.365E-02	1.634E-01	2.880E-01	8.354E-02
U-235	Ac-227	1.000E+00	0.000E+00	2.838E-06	2.242E-05	1.723E-04	5.910E-04	3.921E-04	2.748E-01	5.196E-01	7.851E-01	1.090E-01
U-235	∑DSR(j)		4.250E-01	4.132E-01	3.906E-01	3.207E-01	1.828E-01	2.550E-02	6.179E-01	1.052E+00	1.442E+00	2.891E-01
U-238	U-238	1.000E+00	1.899E-01	1.846E-01	1.743E-01	1.425E-01	8.027E-02	1.072E-02	2.714E-01	3.714E-01	3.714E-01	9.728E-02
U-238	U-234	1.000E+00	0.000E+00	4.289E-07	1.210E-06	3.293E-06	5.550E-06	2.460E-06	2.589E-04	5.755E-04	1.018E-03	2.955E-04
U-238	Th-230	1.000E+00	0.000E+00	4.297E-12	3.700E-11	3.597E-10	2.250E-09	8.218E-09	4.505E-10	1.451E-09	6.158E-09	7.274E-09
U-238	Ra-226	1.000E+00	0.000E+00	1.037E-14	2.688E-13	8.643E-12	1.570E-10	1.580E-09	2.693E-08	4.719E-07	2.134E-06	2.576E-06
U-238	Pb-210	1.000E+00	0.000E+00	3.766E-17	2.216E-15	2.012E-13	9.151E-12	1.820E-10	7.137E-08	1.264E-06	5.718E-06	6.905E-06
U-238	Po-210	1.000E+00	0.000E+00	5.547E-19	1.282E-16	1.640E-14	8.654E-13	2.039E-11	2.891E-07	4.567E-06	2.036E-05	2.458E-05
U-238	∑DSR(j)		1.899E-01	1.846E-01	1.743E-01	1.426E-01	8.028E-02	1.072E-02	2.716E-01	3.719E-01	3.725E-01	9.761E-02

Branch Fraction is the cumulative factor for the j'th principal radionuclide daughter: CUMBRF(j) = BRF(1)*BRF(2)* ... BRF(j).
The DSR includes contributions from associated (half-life ≤ 30 days) daughters.

Single Radionuclide Soil Guidelines G(i,t) in pCi/g
Basic Radiation Dose Limit = 30 mrem/yr

Nuclide (i)	t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	5.000E+02	9.000E+02	1.000E+03
U-234	1.937E+02	1.994E+02	2.112E+02	2.583E+02	4.593E+02	3.409E+03	1.051E+02	7.607E+01	7.307E+01	2.341E+02
U-235	7.059E+01	7.260E+01	7.681E+01	9.354E+01	1.641E+02	1.176E+03	4.855E+01	2.853E+01	2.081E+01	1.038E+02
U-238	1.579E+02	1.625E+02	1.721E+02	2.104E+02	3.737E+02	2.798E+03	1.104E+02	8.066E+01	8.054E+01	3.073E+02

Summed Dose/Source Ratios DSR(i,t) in (mrem/yr)/(pCi/g)
and Single Radionuclide Soil Guidelines G(i,t) in pCi/g
at tmin = time of minimum single radionuclide soil guideline
and at tmax = time of maximum total dose = 902.1 ± 0.9 years

Nuclide (i)	Initial pCi/g	tmin (years)	DSR(i,tmin)	G(i,tmin) (pCi/g)	DSR(i,tmax)	G(i,tmax) (pCi/g)
U-234	2.300E+00	958.5 ± 1.0	4.136E-01	7.254E+01	4.107E-01	7.305E+01
U-235	5.000E-02	858.4 ± 0.9	1.480E+00	2.027E+01	1.437E+00	2.088E+01
U-238	6.000E-01	958.5 ± 1.0	3.725E-01	8.053E+01	3.725E-01	8.054E+01

Individual Nuclide Dose Summed Over All Pathways
Parent Nuclide and Branch Fraction Indicated

Nuclide (j)	Parent (i)	BRF(i)	DOSE(j,t), mrem/yr t= 0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02	3.000E+02	5.000E+02	9.000E+02	1.000E+03
U-234	U-234	1.000E+00	3.562E-01	3.461E-01	3.267E-01	2.670E-01	1.501E-01	1.995E-02	6.561E-01	8.973E-01	8.964E-01	2.347E-01
U-234	U-238	1.000E+00	0.000E+00	2.573E-07	7.261E-07	1.976E-06	3.330E-06	1.476E-06	1.553E-04	3.453E-04	6.107E-04	1.773E-04
U-234	∑DOSE(j):		3.562E-01	3.461E-01	3.267E-01	2.670E-01	1.501E-01	1.995E-02	6.563E-01	8.977E-01	8.970E-01	2.349E-01
Th-230	U-234	1.000E+00	0.000E+00	6.972E-06	2.027E-05	6.122E-05	1.415E-04	2.295E-04	8.070E-06	2.853E-06	8.041E-06	9.000E-06
Th-230	U-238	1.000E+00	0.000E+00	2.578E-12	2.220E-11	2.158E-10	1.350E-09	4.931E-09	2.703E-10	8.706E-10	3.695E-09	4.364E-09
Th-230	∑DOSE(j):		0.000E+00	6.972E-06	2.027E-05	6.122E-05	1.415E-04	2.295E-04	8.070E-06	2.854E-06	8.045E-06	9.005E-06
Ra-226	U-234	1.000E+00	0.000E+00	2.531E-08	2.200E-07	2.169E-06	1.399E-05	5.398E-05	1.713E-05	7.328E-04	3.558E-03	4.457E-03
Ra-226	U-238	1.000E+00	0.000E+00	6.223E-15	1.613E-13	5.186E-12	9.422E-11	9.478E-10	1.616E-08	2.832E-07	1.280E-06	1.546E-06
Ra-226	∑DOSE(j):		0.000E+00	2.531E-08	2.200E-07	2.169E-06	1.399E-05	5.398E-05	1.715E-05	7.331E-04	3.559E-03	4.459E-03
Pb-210	U-234	1.000E+00	0.000E+00	1.123E-10	2.311E-09	6.510E-08	1.022E-06	7.030E-06	3.013E-05	2.002E-03	9.740E-03	1.220E-02
Pb-210	U-238	1.000E+00	0.000E+00	2.260E-17	1.330E-15	1.207E-13	5.491E-12	1.092E-10	4.282E-08	7.585E-07	3.431E-06	4.143E-06
Pb-210	∑DOSE(j):		0.000E+00	1.123E-10	2.311E-09	6.510E-08	1.022E-06	7.030E-06	3.018E-05	2.003E-03	9.743E-03	1.220E-02
Po-210	U-234	1.000E+00	0.000E+00	4.119E-12	1.474E-10	5.536E-09	9.814E-08	7.909E-07	1.065E-04	7.020E-03	3.453E-02	4.334E-02
Po-210	U-238	1.000E+00	0.000E+00	3.328E-19	7.691E-17	9.837E-15	5.192E-13	1.223E-11	1.735E-07	2.740E-06	1.221E-05	1.475E-05
Po-210	∑DOSE(j):		0.000E+00	4.119E-12	1.474E-10	5.536E-09	9.814E-08	7.909E-07	1.066E-04	7.023E-03	3.454E-02	4.335E-02
U-235	U-235	1.000E+00	2.125E-02	2.065E-02	1.951E-02	1.599E-02	9.048E-03	1.231E-03	1.347E-02	1.843E-02	1.843E-02	4.828E-03
Pa-231	U-235	1.000E+00	0.000E+00	5.166E-06	1.452E-05	3.901E-05	6.340E-05	2.432E-05	3.683E-03	8.172E-03	1.440E-02	4.177E-03
Ac-227	U-235	1.000E+00	0.000E+00	1.419E-07	1.121E-06	8.615E-06	2.955E-05	1.961E-05	1.374E-02	2.598E-02	3.925E-02	5.448E-03
U-238	U-238	1.000E+00	1.140E-01	1.107E-01	1.046E-01	8.553E-02	4.816E-02	6.432E-03	1.628E-01	2.228E-01	2.229E-01	5.837E-02

BRF(i) is the branch fraction of the parent nuclide.