

APPENDIX C*
Personnel, Dose, and Power Generation Summary
1969-1995

***A discussion of the methods used to collect and calculate the information contained in this Appendix is given in Section 2.1**

APPENDIX C PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
ARKANSAS 1,2 Docket 50-313, 50-368; DPR-51; NPF-6 1st commercial operation 12/74 Type - PWRs Capacity - 836, 858 MWe	1975	588.0	76.5	147	21					0.14	0.0
	1976	464.6	56.6	476	289	27	262	100	189	0.61	0.6
	1977	610.3	76.8	601	256	28	228	111	145	0.43	0.4
	1978	627.2	77.5	722	189	32	157	109	80	0.26	0.3
	1979	397.0	55.3	1,321	369	54	315	252	117	0.28	0.9
	1980	452.8	63.7	1,233	342	81	261	213	129	0.28	0.8
	1981	1,104.7	68.3	2,225	1,102	130	972	843	259	0.50	1.0
	1982	905.4	58.6	1,608	803	97	706	505	298	0.50	0.9
	1983	915.0	54.7	2,109	1,397	96	1,301	1,145	252	0.66	1.5
	1984	1,289.1	77.4	1,742	806	89	717	533	273	0.46	0.6
	1985	1,192.3	73.6	1,262	286	62	224	148	138	0.23	0.2
	1986	1,070.3	66.9	2,135	1,141	194	947	881	260	0.53	1.1
	1987	1,366.1	88.9	1,123	382	92	290	205	177	0.34	0.3
	1988	1,070.3	69.4	2,421	1,387	138	1,249	1,094	293	0.57	1.3
	1989	1,066.3	72.0	2,063	711	36	675	522	189	0.34	0.7
	1990	1,351.9	84.2	2,493	762	32	730	625	137	0.31	0.6
	1991	1,515.8	88.4	2,064	351	35	316	242	109	0.17	0.2
	1992	1,352.1	77.4	3,114	876	21	855	719	157	0.28	0.6
	1993	1,606.0	91.3	1,981	268	9	259	194	74	0.14	0.2
1994	1,662.8	93.6	1,361	172	80	91	122	49	0.13	0.1	
1995	1,397.0	82.7	2,259	386	34	352	273	113	0.17	0.3	
BEAVER VALLEY 1,2 Docket 50-334, 50-412; DPR-66, NPF-73 1st commercial operation 10/76, 11/87 Type - PWRs Capacity - 810, 820	1977	355.6	57.0	331	878	79	58	29		0.26	0.2
	1978	304.2	40.8	646	190	11	179	151	39	0.29	0.6
	1979	221.0	40.0	704	132	22	110	67	65	0.19	0.6
	1980	39.8	6.8	1,817	553	76	477	477	76	0.30	13.9
	1981	573.4	73.6	1,237	229	38	191	142	87	0.19	0.4
	1982	326.7	41.6	1,755	599	126	473	481	118	0.34	1.8
	1983	561.2	68.2	1,485	772	158	614	615	157	0.52	1.4
	1984	576.7	71.8	1,393	504	124	380	302	202	0.36	0.9
	1985	717.7	91.9	619	60	17	43	12	48	0.10	0.1
	1986	581.3	70.7	1,575	627	82	545	456	171	0.40	1.1
	1987	684.1	83.8	1,282	210	43	167	137	73	0.16	0.3
	1988	1,386.1	87.4	1,764	530	90	440	438	92	0.30	0.4
	1989	1,017.4	69.6	2,349	1,378	197	1,181	1,151	227	0.59	1.4
1990	1,271.0	85.3	1,675	348	33	315	268	80	0.21	0.3	
1991	1,267.5	78.6	1,689	495	62	433	325	170	0.29	0.4	
1992	1,441.9	89.1	1,414	289	29	260	203	86	0.20	0.2	

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)						Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function			Per Personnel Type				
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility			
BEAVER VALLEY 1,2 (continued)	1993	1,157.9	73.1	2,087	621	59	562	490	131	0.30	0.5	
	1994	1,514.6	88.6	487	44	9	34	5	38	0.09	0.0	
	1995	1,389.2	83.1	1,536	453	46	407	336	117	0.29	0.3	
BIG ROCK POINT Docket 50-155; DPR-6 1st commercial operation 3/63 Type - BWR Capacity - 67 MWe	1969	48.1		165	136					0.82	2.8	
	1970	43.5		290	194					0.67	4.5	
	1971	44.4		260	184					0.71	4.1	
	1972	43.5		195	181					0.93	4.2	
	1973	50.9		241	285			119	166	1.18	5.6	
	1974	40.7	70.3	281	276	54	222	42	234	0.98	6.8	
	1975	35.1	59.8	300	180	58	122	20	160	0.60	5.1	
	1976	29.5	50.1	488	289	82	207	105	184	0.59	9.8	
	1977	43.6	73.4	465	334	94	240	60	274	0.72	7.7	
	1978	48.5	77.9	285	175	93	82	9	166	0.61	3.6	
	1979	13.0	23.5	623	455	89	366	102	353	0.73	35.0	
	1980	48.9	79.0	599	354	91	263	91	263	0.59	7.2	
	1981	56.9	90.6	479	160	58	102	38	122	0.33	2.8	
	1982	43.6	70.8	521	328	129	199	67	261	0.63	7.5	
	1983	42.3	71.0	493	263	32	231	55	208	0.53	6.2	
	1984	50.3	78.6	297	155	37	118	21	134	0.52	3.1	
	1985	43.8	73.5	435	291	54	237	60	231	0.67	6.6	
	1986	61.0	95.5	202	84	34	50	17	67	0.42	1.4	
	1987	45.3	71.0	251	222	45	177	35	187	0.88	4.9	
1988	46.1	72.8	303	170	34	136	25	145	0.56	3.7		
1989	50.2	79.0	418	177	38	139	32	145	0.42	3.5		
1990	51.3	77.2	351	232	33	199	45	187	0.66	4.5		
1991	59.1	85.2	435	226	31	195	42	184	0.52	3.8		
1992	32.7	54.5	496	277	36	241	51	226	0.56	8.5		
1993	51.2	79.4	419	152	30	122	41	111	0.36	3.0		
1994	49.5	75.3	310	119	25	93	24	94	0.38	2.4		
1995	62.2	95.0	205	54	20	34	13	41	0.26	0.9		
BRAIDWOOD 1,2 Docket 50-456, 50-457; NPF-72, NPF-77 1st commercial operation 7/88, 10/88 Type - PWRs Capacity - 1120, 1120 MWe	1989	1,381.8	75.4	1,460	296	7	289	198	98	0.20	0.2	
	1990	1,740.2	84.1	1,081	186	9	177	107	79	0.17	0.1	
	1991	1,377.2	68.9	1,641	550	101	449	387	163	0.34	0.4	
	1992	1,885.9	89.0	1,059	228	29	199	140	88	0.22	0.1	
	1993	1,899.3	86.9	1,043	273	23	250	170	103	0.26	0.1	
	1994	1,666.1	77.2	1,237	298	17	2800	179	118	0.24	0.1	
1995	1,914.7	85.4	1,134	236	13	223	2	234	0.21	0.1		

C-3

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
BROWNS FERRY 1,2,3	1975	161.7	17.8	2,380	325					0.14	2.0
Docket 50-259, 50-260, 50-296	1976	337.6	26.9	2,207	234					0.11	0.7
DPR - 33, - 52, - 68	1977	1,327.5	73.7	1,858	863	60	803	249	614	0.46	0.7
1st commercial operation 8/74, 3/75,	1978	1,992.1	73.5	2,376	1,792	4	1,788	261	1,531	0.75	0.9
3/77	1979	2,393.0	79.1	2,689	1,667	0	1,667	289	1,378	0.62	0.7
Type - BWRs	1980	2,182.1	73.6	2,712	1,826	4	1,822	50	1,776	0.67	0.8
Capacity - 1065,1065,1065 MWe	1981	2,132.9	69.5	3,379	2,380	100	2,280	404	1,976	0.70	1.1
	1982	2,025.4	67.6	3,277	2,220	181	2,039	317	1,903	0.68	1.1
	1983	1,641.0	54.3	3,302	3,363	276	3,087	909	2,454	1.02	2.0
	1984	1,431.9	54.2	2,962	1,940	229	1,711	541	1,399	0.65	1.4
	1985	368.2	11.9	2,755	1,159	201	958	306	853	0.42	3.1
	1986	0.0	0.0	3,003	1,050	196	854	343	707	0.35	---
	1987	0.0	0.0	3,115	1,181	187	994	222	959	0.38	---
	1988	0.0	0.0	3,324	1,155	234	921	109	1,046	0.35	---
	1989	0.0	0.0	2,683	656	97	559	131	525	0.24	---
	1990	0.0	0.0	2,717	1,310	64	1,246	68	1,242	0.48	---
	1991	445.0	17.7	1,815	354	134	220	121	233	0.20	0.8
	1992	979.9	32.2	2,658	516	85	431	299	217	0.19	0.5
	1993	675.1	66.8	3,594	870	78	792	600	270	0.24	1.3
	1994	860.2	83.4	3,299	855	54	800	649	205	0.26	0.9
	1995	1,165.8	98.6	2,540	409	64	345	281	128	0.16	0.4
BRUNSWICK 1,2	1976	297.2	56.0	1,265	326	15	311	222	104	0.26	1.1
Docket 50-324, 50-325; DPR-62, -71	1977	291.1	55.7	1,512	1,120	48	1,071	782	337	0.74	3.8
1st commercial operation 3/77, 11/75	1978	1,173.1	83.7	1,458	1,004	99	905	695	309	0.69	0.9
Type - BWRs	1979	810.0	60.1	2,891	2,602	97	2,505	2,074	528	0.90	3.2
Capacity - 767, 754 MWe	1980	687.2	52.2	3,788	3,870	111	3,759	3,098	772	1.02	5.6
	1981	925.2	56.9	3,854	2,638	159	2,479	1,890	748	0.68	2.9
	1982	540.3	50.3	4,957	3,792	162	3,630	2,841	951	0.76	7.0
	1983	636.7	44.3	5,602	3,475	152	3,323	2,428	1,047	0.62	5.5
	1984	761.3	51.5	5,046	3,260	143	3,117	2,363	897	0.65	4.3
	1985	822.2	58.4	4,057	2,804	120	2,684	2,077	727	0.69	3.4
	1986	1,051.3	69.1	3,370	1,909	97	1,812	1,273	636	0.57	1.8
	1987	1,152.4	80.6	3,052	1,419	144	1,275	861	558	0.46	1.2
	1988	990.8	70.1	2,648	1,747	219	1,528	1,051	696	0.66	1.8
	1989	990.9	65.8	3,844	1,786	181	1,605	1,295	491	0.46	1.8
	1990	991.6	67.8	3,182	1,548	152	1,396	1,156	392	0.49	1.6
	1991	952.8	64.5	2,586	778	120	658	451	327	0.30	0.8
	1992	375.9	27.9	2,690	623	95	528	464	159	0.23	1.7
	1993	470.0	33.8	2,921	872	118	754	645	227	0.30	1.9
	1994	1,268.4	83.0	3,049	999	122	876	720	278	0.33	0.7
	1995	1,411.7	92.9	2,657	683	101	582	482	201	0.26	0.5

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type				
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility		
BYRON 1,2 Docket 50-454, 50-455; NPF-37, NPF-66 1st commercial operation 9/85, 8/87 Type - PWRs Capacity - 1105, 1105	1986	894.5	88.6	1,081	76	12	64	47	29	0.07	0.1
	1987	650.9	70.9	1,826	769	11	758	667	102	0.42	1.2
	1988	1,534.7	86.3	1,222	459	0	459	333	126	0.38	0.3
	1989	1,812.6	90.2	1,109	172	21	151	105	67	0.16	0.1
	1990	1,567.3	78.8	1,396	434	38	396	266	168	0.31	0.3
	1991	1,816.3	89.9	1,077	268	42	226	158	110	0.25	0.1
	1992	1,888.4	90.1	1,021	199	43	156	118	81	0.19	0.1
	1993	1,785.6	83.5	1,370	432	57	375	248	184	0.32	0.2
	1994	1,953.3	90.7	962	280	17	262	164	115	0.29	0.1
	1995	1,900.6	85.5	1,107	306	1	305	183	123	0.28	0.2
C-5 CALLAWAY 1 Docket 50-483; NPF-30 1st commercial operation 12/84 Type - PWR Capacity - 1115 MWe	1985	967.4	90.0	964	36	16	20	7	29	0.04	0.0
	1986	865.2	81.3	1,052	225	53	172	129	96	0.21	0.3
	1987	759.0	71.1	1,082	393	89	304	249	144	0.36	0.5
	1988	1,069.2	93.4	353	27	12	15	2	25	0.08	0.0
	1989	1,000.3	85.4	1,055	283	46	237	191	92	0.27	0.3
	1990	960.7	84.1	1,134	442	50	392	332	110	0.39	0.5
	1991	1,193.1	99.7	280	21	9	12	2	19	0.07	0.0
	1992	967.5	83.0	1,133	336	52	284	244	92	0.30	0.3
	1993	1,002.9	86.4	1,126	225	73	152	157	68	0.20	0.2
	1994	1,196.4	100.0	191	14	6	7	0	13	0.07	0.0
1995	989.6	84.7	1,062	187	30	157	118	69	0.18	0.2	
NUREG-0713 CALVERT CLIFFS 1,2 Docket 50-317, 50-318; DPR-53, -69 1st commercial operation 5/75, 4/77 Type - PWRs Capacity - 835, 840 MWe	1976	753.4	95.2	507	74	28	46	8	66	0.15	0.1
	1977	583.0	72.1	2,265	547	36	511	224	323	0.24	0.9
	1978	1,188.5	75.8	1,391	500	13	487	143	357	0.36	0.4
	1979	1,161.0	74.0	1,428	805	32	773	426	379	0.56	0.7
	1980	1,309.9	84.1	1,496	677	15	662	402	275	0.45	0.5
	1981	1,379.7	83.1	1,555	607	29	578	378	229	0.39	0.4
	1982	1,238.3	73.7	1,805	1,057	84	973	402	655	0.59	0.9
	1983	1,397.2	81.6	1,915	668	5	663	143	525	0.35	0.5
	1984	1,389.4	79.3	1,369	479	61	418	79	400	0.35	0.3
	1985	1,189.8	68.4	1,598	694	69	625	144	550	0.43	0.6
	1986	1,530.0	87.2	1,296	347	2	345	101	246	0.27	0.2
	1987	1,207.3	71.8	1,384	412	29	383	110	302	0.30	0.3
	1988	1,397.7	81.0	1,296	291	30	261	90	201	0.22	0.2
	1989	333.6	20.1	1,786	346	11	335	216	130	0.19	1.0
	1990	161.1	11.0	2,019	304	12	292	203	101	0.15	1.9
1991	1,085.0	64.7	1,974	132	25	107	70	62	0.07	0.1	
1992	1,271.2	73.9	1,979	330	35	295	228	102	0.17	0.3	
1993	1,462.1	83.9	1,462	405	13	392	299	106	0.28	0.3	

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)						Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type					
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility			
CALVERT CLIFFS 1,2 (continued)	1994	1,342.1	79.4	1,482	454	30	424	333	121	0.31	0.3	
	1995	1,542.8	89.9	1,203	235	29	206	174	61	0.20	0.2	
CATAWBA 1,2 Docket 50-413, 50-414; NPF-35, NPF-52 1st commercial operation 6/85, 8/86 Type - PWR Capacity - 1129, 1129 MWe	1986	638.9	49.9	1,724	286	27	259	68	218	0.17	0.4	
	1987	1,651.2	75.9	1,865	449	32	417	161	288	0.24	0.3	
	1988	1,675.2	77.2	2,009	556	71	485	200	356	0.28	0.3	
	1989	1,733.6	79.5	1,660	334	48	286	110	224	0.20	0.2	
	1990	1,616.3	70.8	2,174	809	58	751	292	517	0.37	0.5	
	1991	1,691.5	74.6	1,871	462	50	412	141	321	0.25	0.3	
	1992	1,962.8	83.9	1,515	414	52	362	92	322	0.27	0.2	
	1993	1,896.1	81.5	1,564	396	29	367	59	337	0.25	0.2	
	1994	2,105.2	90.2	1,268	207	35	172	47	160	0.16	0.1	
	1995	2,011.9	85.3	1,892	462	62	400	83	379	0.24	0.2	
CLINTON Docket 50-461; NPF-62 1st commercial operation 11/87 Type - BWR Capacity - 930 MWe	1988	701.3	84.2	769	130	48	82	64	66	0.17	0.2	
	1989	348.3	48.5	1,196	372	91	281	261	111	0.31	1.1	
	1990	435.8	55.1	1,390	553	407	146	438	115	0.40	1.3	
	1991	722.7	80.8	1,010	233	222	11	143	90	0.23	0.3	
	1992	589.7	68.6	1,195	431	63	368	287	144	0.36	0.7	
	1993	701.5	79.6	1,253	498	48	450	367	131	0.40	0.7	
	1994	883.3	94.8	409	63	1	62	7	56	0.15	0.0	
	1995	731.1	83.0	1,182	316	25	291	202	114	0.27	0.4	
COMANCHE PEAK 1,2 Docket 50-445; NPF-87 1st commercial operation 8/90, 8/93 Type - PWR Capacity - 1150 1150 MWe	1991	644.4	82.2	985	148	13	135	111	37	0.15	0.2	
	1992	830.8	84.0	1,128	188	28	160	158	30	0.17	0.2	
	1993	853.8	81.2	945	109	25	84	92	17	0.12	0.1	
	1994	1,750.0	93.7	970	90	22	68	75	15	0.09	0.1	
	1995	2,022.6	92.5	951	179	21	158	154	25	0.19	0.1	
COOK 1,2 Docket 5-315; DPR-58, -74 1st commercial operation 8/75, 7/78 Type - PWRs Capacity - 1000, 1060 MWe	1976	807.4	83.1	395	116	13	103	71	45	0.29	0.1	
	1977	573.0	76.1	802	300	21	278	138	161	0.37	0.5	
	1978	744.8	73.6	778	336	49	287	139	197	0.43	0.5	
	1979	1,373.0	65.3	1,445	718	45	673	454	264	0.50	0.5	
	1980	1,552.4	74.1	1,345	493	46	447	323	170	0.37	0.3	
	1981	1,557.3	73.4	1,341	656	48	608	443	213	0.49	0.4	
	1982	1,461.6	69.8	1,527	699	67	632	472	227	0.46	0.5	
	1983	1,456.5	71.2	1,418	658	50	608	467	191	0.46	0.5	
	1984	1,526.0	75.3	1,559	762	43	719	597	165	0.49	0.5	
	1985	925.4	47.6	1,984	945	92	853	758	187	0.48	1.0	

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type				
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility		
COOK 1,2 (continued)	1986	1,307.1	73.4	1,774	745	64	681	585	160	0.42	0.6
	1987	1,199.5	70.2	1,696	666	79	587	525	141	0.39	0.6
	1988	1,160.4	63.5	2,266	867	52	815	762	105	0.38	0.7
	1989	1,433.1	72.8	1,575	493	50	443	421	72	0.31	0.3
	1990	1,318.5	67.9	1,851	580	87	493	504	76	0.31	0.4
	1991	1,837.4	90.2	815	69	28	41	48	21	0.08	0.0
	1992	760.9	50.8	1,954	492	60	432	416	76	0.25	0.6
	1993	1,927.7	98.5	587	44	10	34	29	15	0.07	0.0
	1994	1,105.2	65.2	1,748	479	26	453	362	117	0.27	0.4
	1995	1,656.0	82.1	1,310	203	29	174	142	61	0.15	0.1
C-7 COOPER STATION Docket 50-298; DPR-46 1st commercial operation 7/74 Type - BWR Capacity - 764 MWe	1975	456.4	83.6	579	117	30	87	19	98	0.20	0.3
	1976	433.3	75.5	763	350	39	311	210	140	0.46	0.8
	1977	538.2	86.2	315	198	50	147	66	131	0.63	0.4
	1978	576.0	91.0	297	158	40	118	58	100	0.53	0.3
	1979	591.0	87.6	426	221	50	171	90	131	0.52	0.4
	1980	448.3	71.2	785	859	71	788	644	215	1.09	1.9
	1981	457.1	71.2	935	579	63	516	382	197	0.62	1.3
	1982	622.3	84.6	743	542	66	476	361	181	0.73	0.9
	1983	396.6	63.3	1,383	1,293	57	1,236	1,081	212	0.93	3.3
	1984	411.9	67.2	1,598	799	46	753	635	164	0.50	1.9
	1985	127.3	21.5	1,980	1,333	49	1,284	1,104	229	0.67	10.5
	1986	480.0	74.7	895	320	49	271	115	205	0.36	0.7
	1987	652.3	96.2	549	103	26	77	11	92	0.19	0.2
	1988	493.4	67.9	942	251	40	211	118	133	0.27	0.5
	1989	564.3	76.2	1,202	343	40	303	228	115	0.29	0.6
	1990	602.0	79.4	1,174	379	34	345	265	114	0.32	0.6
1991	566.3	78.8	1,099	405	50	355	255	150	0.37	0.7	
1992	731.0	96.4	463	84	16	68	16	68	0.18	0.1	
1993	436.1	58.8	1,130	391	33	358	245	146	0.35	0.9	
1994	262.2	35.1	333	79	24	55	7	72	0.24	0.3	
1995	486.5	66.8	1,095	228	31	197	137	91	0.21	0.5	
NUREG-0713 CRYSTAL RIVER 3 Docket 50-302; DPR-72 1st commercial operation 3/77 Type - PWR Capacity - 818 MWe	1978	311.5	41.4	643	321	8	313	244	77	0.50	1.0
	1979	453.0	58.9	1,150	495	29	466	346	149	0.43	1.1
	1980	404.1	53.2	1,053	625	24	601	382	243	0.59	1.5
	1981	490.4	62.2	1,120	408	18	390	236	172	0.36	0.8
	1982	589.8	76.0	780	177	9	168	116	61	0.23	0.3
	1983	452.1	58.8	1,720	552	71	481	353	199	0.32	1.2
	1984	774.2	94.5	549	49	10	39	22	27	0.09	0.1
1985	344.2	47.6	1,976	689	44	645	424	265	0.35	2.0	

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
CRYSTAL RIVER 3 (continued)	1986	319.5	41.8	1,057	472	25	447	298	174	0.45	1.5
	1987	436.0	60.9	1,384	488	49	439	302	186	0.35	1.1
	1988	690.2	84.0	569	64	2	62	17	47	0.11	0.1
	1989	352.8	48.8	880	234	5	229	128	106	0.27	0.7
	1990	497.8	63.8	1,441	476	8	468	318	158	0.33	1.0
	1991	654.6	82.0	821	116	8	108	59	57	0.14	0.2
	1992	632.1	76.1	1,403	424	7	417	333	91	0.30	0.7
	1993	722.4	85.0	683	60	4	56	31	29	0.09	0.1
	1994	711.9	84.3	1,079	228	7	221	156	72	0.21	0.3
	1995	866.3	100.0	209	8	1	7	1	7	0.04	0.0
C-8 DAVIS-BESSE 1 Docket 50-346; NPF-3 1st commercial operation 7/78 Type - PWR Capacity - 868 MWe	1978	326.4	48.7	421	48	13	35	14	34	0.11	0.1
	1979	381.0	67.0	304	30	8	22	5	25	0.10	0.1
	1980	256.4	36.2	1,283	154	4	150	121	33	0.12	0.6
	1981	531.4	67.4	578	58	1	57	32	26	0.10	0.1
	1982	390.8	51.5	1,350	164	12	152	139	25	0.12	0.4
	1983	592.1	73.0	718	80	6	74	46	34	0.11	0.1
	1984	518.5	62.5	1,088	177	10	167	122	55	0.16	0.3
	1985	238.3	31.2	718	71	5	66	44	27	0.10	0.3
	1986	3.3	1.3	981	124	22	102	103	21	0.13	37.6
	1987	618.0	89.6	625	47	11	36	27	20	0.08	0.1
	1988	144.1	27.1	1,183	307	36	271	255	52	0.26	2.1
	1989	880.0	98.6	404	38	5	33	5	33	0.09	0.0
	1990	500.0	56.7	1,377	489	14	475	414	75	0.36	1.0
	1991	703.6	81.8	1,000	216	38	178	159	57	0.22	0.3
	1992	915.2	100.0	287	19	10	9	0	19	0.07	0.0
1993	729.5	83.4	1,244	348	12	336	269	79	0.28	0.5	
1994	768.4	88.0	861	144	28	116	69	75	0.17	0.2	
1995	920.4	100.0	256	7	2	5	0	7	.03	0.0	
DIABLO CANYON 1,2 Docket 50-275, 50-323; DPR-80, DPR-82 1st commercial operation 5/85, 3/86 Type - PWRs Capacity - 1073, 1087 MWe	1986	641.5	80.6	1,260	304	4	300	206	98	0.24	0.5
	1987	1,688.6	83.0	1,170	336	5	331	226	110	0.29	0.2
	1988	1,386.1	67.6	1,826	877	4	873	593	284	0.48	0.6
	1989	1,899.0	87.5	1,646	465	3	462	329	136	0.28	0.2
	1990	1,952.6	91.0	1,441	323	1	322	220	103	0.22	0.2
	1991	1,809.6	83.8	2,040	546	1	545	377	169	0.27	0.3
	1992	1,995.7	90.9	1,850	459	0	459	303	156	0.25	0.2
	1993	2,008.6	91.4	1,508	281	0	281	182	99	0.19	0.1
1994	1,832.6	83.3	2,317	590	1	589	399	191	0.26	0.3	
1995	1,950.3	90.0	1,615	286	2	284	189	97	0.18	0.1	

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
DRESDEN 1 ¹ ,2,3	1969	99.7			286						2.9
Docket 50-010, 50-237, 50-249;	1970	163.1			143						0.9
DPR-2, -19, -25	1971	394.5			715						1.8
1st commercial operation 7/60, 6/70, 11/71	1972	1,243.7			728						0.6
Type - BWRs	1973	1,112.2		1,341	939	143	796	344	595	0.70	0.8
Capacity - 197, 772, 773 MWe	1974	842.5	54.9	1,594	1,662			57	1,605	1.04	2.0
	1975	708.1	54.6	2,310	3,423	271	3,152	2,252	1,171	1.48	4.8
	1976	1,127.2	80.8	1,746	1,680	228	1,452	749	931	0.96	1.5
	1977	1,132.9	77.0	1,862	1,694	316	1,377	693	1,000	0.91	1.5
	1978	1,242.2	79.5	1,946	1,529	359	1,170	619	1,529	0.79	1.2
	1979	1,013.0	74.7	2,407	1,800	191	1,609	641	1,159	0.75	1.8
	1980	1,074.4	55.0	2,717	2,105	236	1,869	1,093	1,012	0.77	2.0
	1981	1,035.7	51.5	2,331	2,802	120	2,682	1,850	952	1.20	2.7
	1982	1,085.3	77.9	2,572	2,923	136	2,787	1,731	1,192	1.14	2.7
	1983	913.6	65.6	2,854	3,582	176	3,406	2,127	1,455	1.26	3.9
	1984	789.8	55.3	2,261	1,774	153	1,621	815	959	0.78	2.2
	1985	903.0	64.5	2,817	1,686	474	1,212	879	807	0.60	1.9
	1986	740.5	52.6	3,111	2,668	268	2,400	2,009	659	0.86	3.6
	1987	933.9	74.0	2,052	1,145	241	904	593	552	0.56	1.2
	1988	1,014.7	75.8	2,414	1,409	215	1,194	808	601	0.58	1.4
	1989	1,184.2	83.1	2,259	1,131	154	976	641	489	0.50	1.0
	1990	1,107.8	76.6	2,235	1,400	176	1,224	753	647	0.63	1.3
	1991	675.2	60.7	2,044	1,005	166	839	433	572	0.49	1.5
	1992	872.4	75.4	1,812	619	128	491	272	347	0.34	0.7
	1993	960.1	68.5	2,751	1,655	125	1,530	1,116	539	0.60	1.7
	1994	690.2	51.7	2,336	833	93	740	517	316	0.36	1.2
	1995	643.1	49.8	2,482	875	69	806	2	873	0.35	1.4
DUANE ARNOLD	1976	305.2	78.0	350	105	14	91	62	43	0.30	0.3
Docket 50-331; DPR-49	1977	353.6	78.9	538	299	36	263	220	79	0.56	0.8
1st commercial operation 2/75	1978	149.2	33.2	1,112	974	59	915	932	42	0.88	6.5
Type - BWR	1979	352.0	78.0	757	275	35	240	219	56	0.36	0.8
Capacity - 515 MWe	1980	339.1	73.3	1,108	671	32	639	570	101	0.61	2.0
	1981	277.7	69.8	1,286	790	56	734	598	192	0.61	2.8
	1982	278.5	74.7	524	229	18	211	175	54	0.44	0.8
	1983	283.0	62.9	1,468	1,135	42	1,093	1,016	119	0.77	4.0
	1984	329.4	72.9	611	189	28	161	117	72	0.31	0.6
	1985	236.2	53.8	1,414	1,112	49	1,063	954	158	0.79	4.7

¹Dresden 1 has been shut down since 1978, and in 1985 it was decided that it would not be put in commercial operation again. Therefore, it is no longer included in the count of commercial reactors.

C-9

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
DUANE ARNOLD (continued)	1986	365.5	82.0	476	187	49	138	94	93	0.39	0.5
	1987	308.4	64.7	1,094	667	241	426	478	189	0.61	2.2
	1988	386.5	75.2	1,136	614	71	543	416	198	0.54	1.6
	1989	388.5	79.0	425	194	49	145	58	136	0.46	0.5
	1990	367.4	75.8	1,460	861	126	735	644	217	0.59	2.3
	1991	503.7	94.5	336	202	34	168	43	159	0.60	0.4
	1992	416.5	81.9	1,043	502	123	379	276	226	0.48	1.2
	1993	393.4	79.5	1,043	407	86	321	299	108	0.39	1.0
	1994	498.6	94.0	493	120	14	106	24	96	0.24	0.2
	1995	452.5	83.8	1,129	357	39	318	217	140	0.32	0.8
C-10 FARLEY 1,2 Docket 50-348, 50-364; NPF-2, -8 1st commercial operation 12/77, 7/81 Type - PWR Capacity - 812, 822 MWe	1978	713.8	86.5	527	108	39	69	34	74	0.20	0.2
	1979	211.0	28.6	1,227	643	108	535	460	183	0.52	3.0
	1980	557.3	69.3	1,330	435	106	329	185	250	0.33	0.8
	1981	310.2	41.4	1,331	512	96	416	270	242	0.38	1.7
	1982	1,271.5	79.2	1,453	484	155	329	196	288	0.33	0.4
	1983	1,356.5	83.0	1,938	1,021	241	780	479	542	0.53	0.8
	1984	1,447.0	86.6	2,046	902	178	724	505	397	0.44	0.6
	1985	1,368.2	81.1	2,551	799	158	641	442	357	0.31	0.6
	1986	1,409.4	83.8	2,314	858	148	710	464	394	0.37	0.6
	1987	1,369.7	84.7	1,871	598	105	493	347	251	0.32	0.4
	1988	1,567.7	92.3	1,840	552	74	478	340	212	0.30	0.4
	1989	1,402.9	84.6	2,206	749	88	661	516	233	0.34	0.5
	1990	1,464.0	86.7	1,700	457	47	410	342	115	0.27	0.3
	1991	1,464.0	88.1	1,645	648	106	542	498	150	0.39	0.4
	1992	1,331.7	81.8	2,018	805	121	684	570	235	0.40	0.6
	1993	1,455.5	88.3	1,284	333	22	311	224	109	0.26	0.2
	1994	1,587.2	93.0	1,035	250	29	221	150	100	0.24	0.2
	1995	1,311.2	83.8	1,574	460	60	400	307	153	0.29	0.4
FERMI 2 Docket 50-341; NPF-43 1st commercial operation 1/88 Type - BWR Capacity - 1085 MWe	1989	624.0	68.5	1,270	255	35	220	182	73	0.20	0.4
	1990	848.2	84.7	462	83	31	52	14	69	0.18	0.1
	1991	739.0	77.0	1,223	228	53	175	151	77	0.19	0.3
	1992	874.3	81.3	1,213	245	50	195	151	94	0.20	0.3
	1993	984.3	92.9	360	35	23	12	7	28	0.10	0.0
	1994	0.0	2.2	1,130	213	68	145	153	60	0.19	---
	1995	618.3	86.9	390	28	21	7	10	18	0.07	0.0

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
FITZPATRICK Docket 50-333; DPR-59 1st commercial operation 7/75 Type - BWR Capacity - 774 MWe	1976	489.0	71.6	600	202					0.34	0.4
	1977	460.5	68.4	1,380	1,080	14	1,066	937	143	0.78	2.3
	1978	497.0	72.1	904	909	166	743	597	312	1.01	1.8
	1979	349.0	50.8	850	859	169	690	538	321	1.01	2.5
	1980	509.5	70.3	2,056	2,040	118	1,922	1,808	232	0.99	4.0
	1981	562.9	74.7	2,490	1,425	187	1,238	1,072	353	0.57	2.5
	1982	583.6	75.0	2,322	1,190	136	1,054	863	327	0.51	2.0
	1983	546.2	70.6	1,715	1,090	158	932	667	423	0.64	2.0
	1984	576.2	76.8	1,610	971	82	889	467	504	0.60	1.7
	1985	492.3	63.7	1,845	1,051	85	966	718	333	0.57	2.1
	1986	711.2	90.6	1,185	411	81	330	168	243	0.35	0.6
	1987	496.2	70.3	1,578	940	164	776	616	324	0.60	1.9
	1988	514.0	69.0	1,553	786	162	624	506	280	0.51	1.5
	1989	727.5	92.3	1,027	377	58	319	191	186	0.37	0.5
	1990	543.8	72.6	1,536	884	92	792	557	327	0.58	1.6
	1991	399.7	53.4	1,269	333	48	285	127	206	0.26	0.8
	1992	0.0	0.0	2,374	674	70	604	476	198	0.28	---
	1993	559.6	81.7	1,427	232	33	199	81	151	0.16	0.4
1994	588.4	83.2	1,595	322	276	46	141	181	0.20	0.5	
1995	569.8	74.5	1,249	327	292	35	151	176	0.26	0.6	
FORT CALHOUN Docket 50-285; DPR-40 1st commercial operation 6/74 Type - PWR Capacity - 478 MWe	1975	252.3	67.4	469	294			92	202	0.63	1.2
	1976	265.9	69.5	516	313	28	285	38	275	0.61	1.2
	1977	351.8	79.4	535	297	33	264	72	225	0.56	0.8
	1978	342.3	75.1	596	410	59	351	151	259	0.69	1.2
	1979	440.0	95.7	451	126	19	107	47	79	0.28	0.3
	1980	242.3	60.4	891	668	38	630	426	242	0.75	2.8
	1981	260.9	72.3	822	458	61	397	254	204	0.56	1.8
	1982	418.0	89.7	604	217	45	172	102	115	0.36	0.5
	1983	330.4	73.1	860	433	66	367	205	228	0.50	1.3
	1984	279.2	59.9	913	563	91	472	313	250	0.62	2.0
	1985	367.0	73.7	982	373	54	319	231	142	0.38	1.0
	1986	431.8	94.3	756	74	26	48	30	44	0.10	0.2
	1987	366.0	75.4	1,247	388	78	310	226	162	0.31	1.1
	1988	315.5	74.1	1,594	272	74	198	173	99	0.17	0.9
	1989	395.7	89.2	1,210	93	31	62	50	43	0.08	0.2
	1990	290.0	64.2	760	290	30	260	160	130	0.38	1.0
	1991	391.1	91.7	284	57	14	43	25	32	0.20	0.1
1992	303.4	65.9	802	272	59	213	154	118	0.34	0.9	
1993	369.7	80.8	713	157	16	141	87	70	0.22	0.4	
1994	492.8	99.6	211	23	5	18	6	17	0.11	0.0	
1995	402.8	83.2	627	139	16	123	62	77	0.22	0.3	

C-11

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
GINNA Docket 50-244; DPR-18 1st commercial operation 7/70 Type - PWR Capacity - 470 MWe	1971	327.8		340	430	69	361	108	322	1.26	1.3
	1972	293.6		677	1,032	71	961	278	754	1.52	3.5
	1973	409.5		319	224	55	169	84	140	0.70	0.5
	1974	253.7	62.4	884	1,225					1.39	4.8
	1975	365.2	76.7	685	538					0.79	1.5
	1976	248.8	58.2	758	636	29	607	210	426	0.84	2.6
	1977	365.6	85.5	530	401	15	386	120	281	0.76	1.1
	1978	386.5	80.6	657	450	20	430	98	352	0.68	1.2
	1979	355.0	72.8	878	592	68	524	206	386	0.67	1.7
	1980	370.5	76.0	1,073	708	64	644	302	406	0.66	1.9
	1981	399.0	82.1	925	655	49	606	321	334	0.71	1.6
	1982	289.0	58.8	1,117	1,140	80	1,060	471	669	1.02	3.9
	1983	365.0	74.6	969	855	42	813	378	477	0.88	2.3
	1984	378.1	77.2	713	395	58	337	195	200	0.55	1.0
	1985	436.7	87.9	845	426	89	337	183	243	0.50	1.0
	1986	433.3	87.4	901	357	45	312	107	250	0.40	0.8
	1987	459.0	91.5	773	344	35	309	151	193	0.45	0.7
	1988	423.1	87.4	897	295	37	258	114	181	0.33	0.7
	1989	369.2	75.9	1,254	605	57	548	172	433	0.48	1.6
	1990	414.3	84.4	991	347	38	309	207	140	0.35	0.8
1991	418.6	86.7	947	328	36	292	201	127	0.35	0.8	
1992	417.6	86.9	832	261	27	234	144	117	0.31	0.6	
1993	419.6	86.3	856	193	18	175	101	92	0.23	0.5	
1994	405.3	83.2	679	138	19	119	66	72	0.20	0.3	
1995	437.0	89.6	738	136	8	128	95	41	0.18	0.3	
GRAND GULF Docket 50-416; NPF-29 1st commercial operation 7/85 Type - BWR Capacity - 1143 MWe	1986	494.7	60.9	1,486	436	68	368	329	107	0.29	0.9
	1987	920.7	82.2	1,358	420	106	314	303	117	0.31	0.5
	1988	1,136.6	96.7	692	147	57	90	52	95	0.21	0.1
	1989	932.6	80.0	1,972	498	93	405	333	165	0.25	0.5
	1990	883.5	78.9	1,765	482	52	430	321	161	0.27	0.5
	1991	1,085.2	94.0	699	94	22	72	25	69	0.13	0.1
	1992	969.0	83.7	2,032	484	68	416	349	135	0.24	0.5
	1993	936.4	81.5	1,807	332	38	294	223	109	0.18	0.4
	1994	1,143.2	96.6	455	56	31	25	13	43	0.12	0.0
1995	952.9	80.4	1,589	342	27	315	208	134	0.22	0.4	

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
HADDAM NECK	1969	438.5		138	106			27	79	0.77	0.2
Docket 50-213; DPR-61	1970	424.7		734	689			463	226	0.94	1.6
1st commercial operation 1/68	1971	502.2		289	342			166	176	1.18	0.7
Type -PWR	1972	515.6		355	325			181	144	0.91	0.6
Capacity - 560 MWe	1973	293.1		951	697			544	153	0.73	2.4
	1974	521.4		550	201					0.37	0.4
	1975	494.3	91.2	795	703	20	683			0.88	1.4
	1976	482.9	89.9	644	449	5	444	253	196	0.70	0.9
	1977	480.7	82.5	894	641	59	582	440	201	0.72	1.3
	1978	563.4	83.9	216	117	25	92	18	99	0.54	0.2
	1979	493.0	98.6	1,226	1,162	74	1,088	783	379	0.95	2.4
	1980	426.8	87.5	1,860	1,353	175	1,178	1,076	277	0.73	3.2
	1981	487.5	75.0	1,554	1,036	174	862	809	227	0.67	2.1
	1982	543.9	84.3	559	126	46	80	22	104	0.23	0.2
	1983	453.7	93.4	1,645	1,384	107	1,277	1,022	362	0.84	3.1
	1984	404.0	77.8	1,430	1,216	154	1,062	803	413	0.85	3.0
	1985	556.1	71.7	384	101	21	80	22	79	0.26	0.2
	1986	294.8	98.4	1,945	1,567	179	1,388	1,274	293	0.81	5.3
	1987	304.6	53.6	1,763	750	99	651	553	197	0.43	2.5
	1988	397.4	54.0	735	237	43	194	107	130	0.32	0.6
	1989	356.4	70.3	1,455	596	68	528	472	124	0.41	1.7
	1990	142.7	67.2	979	421	75	346	268	153	0.43	3.0
	1991	444.4	32.2	1,168	590	80	510	463	127	0.51	1.3
	1992	465.2	76.4	797	202	28	174	129	73	0.25	0.4
	1993	448.6	80.1	1,004	408	42	366	312	96	0.41	0.9
	1994	455.6	81.6	463	135	0	0	0	0	0.29	0.3
	1995	439.4	77.7	1,006	442	74	368	348	94	0.44	1.0
HARRIS 1	1988	652.9	75.0	721	169	29	140	118	51	0.23	0.3
Docket 50-400; NPF-63	1989	690.6	79.5	929	156	32	124	85	71	0.17	0.2
1st commercial operation 5/87	1990	776.4	89.6	453	85	13	72	47	38	0.19	0.1
Type - PWR	1991	724.8	81.5	872	226	27	199	150	76	0.26	0.3
Capacity - 860 MWe	1992	661.8	74.9	930	213	34	179	134	79	0.23	0.3
	1993	913.0	99.7	327	31	9	22	10	21	0.09	0.0
	1994	740.8	82.7	1,089	222	22	200	167	55	0.20	0.3
	1995	731.1	83.8	1,068	174	11	163	121	53	0.16	0.2

C-13

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
HATCH 1,2	1976	496.3	83.8	630	134	79	55	4	130	0.21	0.3
Docket 50-321, 50-366; DPR-57;	1977	446.8	66.3	1,303	465	96	369	220	245	0.36	1.0
NPF-05	1978	513.0	72.8	1,304	248	88	160	52	196	0.19	0.5
1st commercial operation 12/75, 9/79	1979	401.0	54.6	2,131	582	85	497	381	201	0.27	1.5
Type - BWRs	1980	1,008.7	70.9	1,930	449	143	306	163	286	0.23	0.4
Capacity - 741, 765 MWe	1981	870.9	64.3	2,899	1,337	200	1,137	792	545	0.46	1.5
	1982	768.0	56.6	3,418	1,460	218	1,242	1,064	396	0.43	1.9
	1983	934.7	68.6	3,428	1,299	253	1,046	851	448	0.38	1.4
	1984	658.6	47.3	4,110	2,218	311	1,907	1,861	357	0.54	3.4
	1985	1,211.0	79.6	2,841	818	182	636	508	310	0.29	0.7
	1986	872.0	64.8	3,486	1,497	347	1,150	1,107	390	0.43	1.7
	1987	1,295.4	89.7	2,202	816	207	609	435	381	0.37	0.6
	1988	1,001.4	70.4	2,509	1,401	275	1,126	927	474	0.56	1.4
	1989	1,271.1	87.1	1,350	556	154	402	305	251	0.41	0.4
	1990	1,268.0	83.5	2,902	1,455	224	1,231	1,074	381	0.50	1.1
	1991	1,152.4	77.4	2,508	1,161	196	965	798	363	0.46	1.0
	1992	1,293.8	88.6	1,615	550	119	431	294	256	0.34	0.4
	1993	1,189.6	85.5	1,733	669	139	530	339	270	0.39	0.6
	1994	1,289.0	87.1	2,243	864	168	696	559	305	0.39	0.7
	1995	1,376.3	90.6	1,458	488	85	403	240	248	0.33	0.4
HOPE CREEK 1	1987	869.2	86.4	589	117	21	96	40	77	0.20	0.1
Docket 50-354; NPF-57	1988	832.7	80.7	1,734	287	38	249	163	124	0.17	0.3
1st commercial operation 12/86	1989	791.1	77.8	1,873	465	40	425	292	173	0.25	0.6
Type - BWR	1990	966.4	91.6	1,394	196	26	170	89	107	0.14	0.2
Capacity - 1031 MWe	1991	882.5	84.2	1,700	373	11	362	249	124	0.22	0.4
	1992	841.9	80.8	1,694	436	9	427	304	132	0.26	0.5
	1993	1,049.2	97.8	688	98	22	76	8	90	0.14	0.1
	1994	852.0	81.2	1,779	326	34	292	194	132	0.18	0.3
	1995	844.5	79.8	1,571	196	27	169	101	95	0.12	0.2
HUMBOLDT BAY ²	1969	44.6		125	164	69	95	12	152	1.31	3.7
Docket 50-133; DPR-7	1970	49.3		115	209	130	79	37	172	1.82	4.2
1st commercial operation 8/63	1971	39.6		140	292	114	178	65	227	2.09	7.4
Type - BWR	1972	43.1		127	253	81	172	57	196	1.99	5.9
Capacity - 63 MWe	1973	50.1		210	266	60	206			1.27	5.3
	1974	43.4	83.8	296	318	103	215			1.07	7.3

² Humboldt Bay has been shutdown since 1976, and in 1984 it was decided that it would not be placed in operation again. Therefore, it is no longer included in the count of commercial reactors.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Operations	Maint & Others	Con- tractor	Station & Utility		
HUMBOLDT BAY ³ (continued)	1975	45.3	83.9	265	339	131	208	112	227	1.28	7.5
	1976	23.5	46.4	523	683	37	646	50	633	1.31	29.1
	1977	0.0	0.0	1,063	1,905	24	1,880	973	931	1.79	---
	1978	0.0	0.0	320	335	13	322	145	190	1.05	---
	1979	0.0	0.0	135	31	11	20	2	29	0.23	---
	1980	0.0	0.0	142	22	10	12	3	19	0.15	---
	1981	0.0	0.0	75	9	3	6	3	6	0.12	---
	1982	0.0	0.0	71	19	5	14	0	19	0.27	---
	1983	0.0	0.0	84	17	4	13	0	17	0.20	---
	1993	0.0	0.0	24	1	0	0	0	0	0.04	---
	1994	0.0	0.0	21	1	0	0	0	0	0.05	---
	1995	0.0	0.0	42	2	***	***	***	***	0.05	***
INDIAN POINT 1 ⁴ , 2, 3 ⁵	1969	206.2			298						1.4
Docket 50-3, 50-247, 50-286;	1970	43.3			1,639						37.8
DPR-5, -26, -64	1971	154.0			768						5.0
1st commercial operation 10/62, 8/74,	1972	142.3			967						6.8
8/76	1973	0.0		2,998	5,262	709	4,553	2,847	2,415	1.76	---
Type - PWR	1974	556.1	59.4	1,019	910					0.89	1.6
Capacity - 0, 951, 965	1975	584.4	74.8	891	705	166	539	47	658	0.79	1.2
	1976	273.9	34.8	1,590	1,950	154	1,796	172	1,778	1.23	7.1
	1977	1,278.3	75.3	1,391	1,070	189	881	383	687	0.77	0.8
	1978	1,172.3	67.8	1,909	2,006	260	1,746	759	1,247	1.05	1.7
INDIAN POINT 1 ⁶ , 2	1979	574.0	71.4	1,349	1,279	209	1,070	612	667	0.95	2.2
	1980	510.8	64.8	1,577	971	304	667	6	965	0.62	1.9
	1981	367.5	46.0	2,595	2,731	237	2,494	1,595	1,136	1.05	7.4
	1982	532.4	65.4	2,144	1,635	343	1,292	883	752	0.76	3.1

C-15

NUREG-0713

³ Humboldt Bay has been shutdown since 1976, and in 1984 it was decided that it would not be placed in operation again. Therefore, it is no longer included in the count of commercial reactors.

⁴ Indian Point 1 was defuelled in 1975, and in 1984 it was decided that it would not be placed in operation again. Therefore, it is no longer included in the count of commercial reactors.

⁵ Indian Point 3 was purchased by a different utility and now reports separately.

⁶ Indian Point 1 was defuelled in 1975, and in 1984 it was decided that it would not be placed in operation again. Therefore, it is no longer included in the count of commercial reactors.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
INDIAN POINT 1 ⁷ ,2 (continued)	1983	702.6	84.0	1,057	486	202	284	219	267	0.46	0.7
INDIAN POINT 2	1984	416.7	51.9	2,919	2,644	650	1,994	1,863	781	0.91	6.3
Docket 50-247; DPR-26	1985	791.4	95.7	708	192	123	69	95	97	0.27	0.2
1st commercial operation 8/74	1986	457.5	56.2	1,926	1,250	350	900	349	901	0.65	2.7
Type - PWR	1987	611.4	73.4	1,980	1,217	128	1,089	805	412	0.61	2.0
Capacity - 951 MWe	1988	719.3	86.9	890	235	51	184	117	118	0.26	0.3
	1989	532.5	64.6	2,093	1,436	208	1,228	813	623	0.69	2.7
	1990	618.0	66.6	1,061	608	66	542	450	158	0.57	1.0
	1991	461.2	55.7	1,810	1,468	179	1,289	927	541	0.81	3.2
	1992	930.9	99.1	489	97	27	70	39	58	0.20	0.1
	1993	702.1	75.7	1,514	675	77	598	480	195	0.45	1.0
	1994	903.8	100.0	381	48	0	0	0	0	0.13	0.1
	1995	582.4	70.8	1,690	548	97	451	368	180	0.32	0.9
INDIAN POINT 3 ⁸	1979	574.0	66.5	808	636	63	573	482	154	0.79	1.1
Docket 50-286; DPR-64	1980	367.3	53.2	977	308	47	261	210	98	0.32	0.8
1st commercial operation 8/76	1981	367.5	59.8	677	364	46	318	255	109	0.54	1.0
Type - PWR	1982	171.5	22.5	1,477	1,226	42	1,184	1,093	133	0.83	7.1
Capacity - 965 MWe	1983	7.8	2.6	941	607	38	569	494	113	0.65	77.8
	1984	714.4	76.3	658	230	48	182	127	103	0.35	0.3
	1985	566.5	66.0	1,093	570	35	535	455	115	0.52	1.0
	1986	655.3	73.4	588	202	34	168	123	79	0.34	0.3
	1987	574.6	62.7	1,308	500	84	416	365	135	0.38	0.9
	1988	792.5	83.3	451	93	41	52	39	54	0.21	0.1
	1989	587.8	61.1	1,800	876	130	746	776	100	0.49	1.5
	1990	595.3	62.9	1,066	358	69	289	230	128	0.34	0.6
	1991	862.8	87.5	299	40	23	17	5	35	0.13	0.0
	1992	561.7	61.4	1,003	212	53	159	132	80	0.21	0.4
	1993	140.5	14.9	478	60	23	37	19	41	0.13	0.4
	1994	0.0	0.0	529	58	36	22	28	30	0.11	---
	1995	174.8	21.4	638	67	37	30	32	35	0.11	0.4

⁷ Indian Point 1 was defuelled in 1975, and in 1984 it was decided that it would not be placed in operation again. Therefore, it is no longer included in the count of commercial reactors.

⁸ Indian Point 3 was purchased by a different utility and now reports separately.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Operations	Maint & Others	Con- tractor	Station & Utility		
KEWAUNEE Docket 50-305; DPR-43 1st commercial operation 6/74 Type - PWR Capacity - 511 MWe	1975	401.9	88.2	104	28	1	27	12	16	0.27	0.1
	1976	405.9	78.9	381	270	16	254	193	77	0.71	0.7
	1977	425.0	79.9	312	140	8	131	76	63	0.45	0.3
	1978	466.6	89.5	335	154	11	143	89	65	0.46	0.3
	1979	412.0	79.0	343	127	6	121	79	48	0.37	0.3
	1980	433.8	82.1	401	165	7	158	103	62	0.41	0.4
	1981	451.8	86.7	383	141	7	134	94	47	0.37	0.3
	1982	458.4	87.6	353	101	5	96	51	50	0.29	0.2
	1983	444.1	83.7	445	165	10	155	119	46	0.37	0.4
	1984	455.3	85.7	482	139	7	132	89	50	0.29	0.3
	1985	443.1	82.4	519	176	9	167	114	62	0.34	0.4
	1986	461.7	85.8	502	169	8	161	111	58	0.34	0.4
	1987	480.0	89.7	755	226	8	218	173	53	0.30	0.5
	1988	467.5	88.3	705	210	6	204	165	45	0.30	0.4
	1989	449.1	84.9	570	239	10	229	179	60	0.42	0.5
	1990	468.8	87.9	490	145	5	140	112	33	0.30	0.3
	1991	441.8	83.4	495	221	4	217	188	33	0.45	0.5
	1992	471.4	88.0	450	122	3	119	88	34	0.27	0.3
	1993	457.1	86.8	436	106	2	104	65	41	0.24	0.2
	1994	475.6	88.8	364	72	2	70	38	34	0.20	0.2
1995	455.6	87.8	415	109	3	106	71	38	0.26	0.2	
LACROSSE ⁹ Docket 50-409; DPR-45 1t commercial operation 11/69 Type - BWR Capacity - 48 MWe	1970	15.3			111			40	71		7.2
	1971	323.1		218	158					0.72	4.8
	1972	29.2			151	172				1.14	5.9
	1973	24.4			157	221				1.41	9.1
	1974	37.9	81.0	115	139	89	50	6	133	1.21	3.7
	1975	32.0	69.6	165	234					1.42	7.3
	1976	21.2	47.6	118	110	40	71	6	105	0.93	5.2
	1977	11.3	33.7	141	225	60	164	8	216	1.60	19.9
	1978	21.6	62.0	182	164	69	95	6	158	0.90	7.6
	1979	24.0	71.8	153	186	65	121	21	165	1.22	7.8
	1980	26.4	68.5	124	218	63	155	11	207	1.76	8.3
	1981	29.6	76.0	187	123	62	61	3	120	0.66	4.2
	1982	17.2	44.6	148	205	65	140	16	189	1.39	11.9
	1983	24.8	59.7	160	313	103	210	31	282	1.96	12.6
	1984	38.5	80.5	288	252	141	111	5	247	0.88	6.5
1985	39.2	86.7	373	173	76	97	22	151	0.46	4.4	

⁹ LaCrosse ended commercial operation in 1987 and will not be put in commercial operation again. Therefore, it is no longer included in the count of commercial reactors.

C-17

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)						Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type		Station & Utility		
						Opera- tions	Maint & Others	Con- tractor				
LACROSSE ¹⁰ (continued)	1986	19.6	46.1	260	290					1.12	14.8	
	1987	0.0	0.0	127	68	42	26	2	66	0.54	---	
	1993	0.0	0.0	48	8	0	0	0	0	0.17	---	
	1994	0.0	0.0	65	8	3	5	4	4	0.12	---	
	1995	0.0	0.0	31	3	***	***	***	***	0.10	***	
LASALLE 1,2	1984	677.8	77.8	1,245	252	29	223	88	164	0.20	0.4	
Docket 50-373, -374; NPF-11, -18	1985	987.9	53.0	1,635	685	88	597	420	265	0.42	0.7	
1st commercial operation 1/84, 6/84	1986	929.5	50.6	1,614	898	143	755	527	371	0.56	1.0	
Type - BWR	1987	1,030.0	59.3	1,744	1,396	217	1,179	989	407	0.80	1.4	
Capacity - 1036, 1036 MWe	1988	1,317.6	71.6	2,737	2,471	253	2,218	1,978	493	0.90	1.9	
	1989	1,503.5	73.1	2,475	1,386	138	1,248	853	533	0.56	0.9	
	1990	1,754.3	84.6	1,830	948	130	818	503	445	0.52	0.5	
	1991	1,837.0	86.7	1,985	806	161	645	427	379	0.41	0.4	
	1992	1,447.4	72.0	2,418	1,167	195	972	648	519	0.48	0.8	
	1993	1,542.0	76.0	1,701	854	204	650	387	467	0.50	0.6	
	1994	1,580.0	77.6	1,812	726	105	621	426	300	0.40	0.5	
	1995	1,696.6	82.1	1,623	512	98	414	270	242	0.32	0.3	
LIMERICK 1, 2	1987	636.1	70.2	2,156	174	7	167	114	60	0.08	0.3	
Docket 50-352, 50-353; NPF-39, -85	1988	794.9	96.5	950	52	20	32	23	29	0.05	0.1	
1st commercial operation 2/86, 1/90	1989	628.4	66.0	1,818	266	70	196	156	110	0.15	0.4	
Type - BWRs	1990	1,527.7	78.2	1,422	175	37	138	78	97	0.12	0.1	
Capacity - 1055, 1055 MWe	1991	1,810.9	86.8	1,151	106	24	82	52	54	0.09	0.1	
	1992	1,741.4	84.8	1,559	330	23	307	182	148	0.21	0.2	
	1993	1,913.2	91.6	1,287	217	33	184	113	104	0.17	0.1	
	1994	1,944.4	94.9	1,543	275	44	231	161	114	0.18	0.1	
	1995	1,957.1	93.0	1,581	260	136	124	136	124	0.16	0.1	
MAINE YANKEE	1973	408.7		782	117			59	58	0.15	0.3	
Docket 50-309; DPR-36	1974	432.6	68.7	619	420	64	356	188	232	0.68	1.0	
1st commercial operation 12/72	1975	542.9	79.9	440	319	15	304	181	138	0.72	0.6	
Type - PWR	1976	712.2	95.0	244	85	27	58	26	59	0.35	0.1	
Capacity - 860 MWe	1977	617.6	82.2	508	245	46	199	112	133	0.48	0.4	
	1978	642.7	84.1	638	420	54	366	262	158	0.66	0.7	

¹⁰LaCrosse ended commercial operation in 1987 and will not be put in commercial operation again. Therefore, it is no longer included in the count of commercial reactors.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
MAINE YANKEE (continued)	1979	537.0	68.4	393	154	70	84	26	128	0.39	0.3
	1980	527.0	72.2	735	462	117	345	277	185	0.63	0.9
	1981	624.2	78.2	868	424	11	413	308	116	0.49	0.7
	1982	542.5	69.1	1,295	619	33	586	462	157	0.48	1.1
	1983	677.1	83.6	592	165	41	124	72	93	0.28	0.2
	1984	605.7	74.4	1,262	884	9	875	702	182	0.70	1.5
	1985	635.4	79.2	1,009	700	54	646	529	171	0.69	1.1
	1986	737.6	87.8	495	100	34	66	14	86	0.20	0.1
	1987	478.1	65.3	1,100	722	39	683	531	191	0.66	1.5
	1988	591.9	79.1	1,058	725	52	673	576	149	0.69	1.2
	1989	819.2	93.7	375	99	38	61	25	74	0.26	0.1
	1990	573.0	71.0	1,359	682	146	536	547	135	0.50	1.2
	1991	738.1	86.6	426	105	27	78	46	59	0.25	0.1
	1992	631.7	79.1	1,189	461	87	374	360	101	0.39	0.7
	1993	674.8	79.8	1,016	377	74	303	309	68	0.37	0.6
	1994	782.8	90.9	297	84	16	68	57	27	0.28	0.1
	1995	23.6	3.7	1,167	653	116	537	533	120	0.56	27.7
MCGUIRE 1,2 Docket 50-369, -370; NPF-9, -17 1st commercial operation 12/81, 3/84 Type - PWRS Capacity - 1129, 1129 MWe	1982	524.9	80.4	1,560	169	26	143	29	140	0.11	0.3
	1983	558.3	55.4	1,751	521	35	486	123	398	0.30	0.9
	1984	764.1	68.5	1,663	507	35	472	106	401	0.30	0.7
	1985	808.4	77.0	2,217	771	92	679	277	494	0.35	1.0
	1986	1,360.0	60.1	2,326	1,015	47	968	389	626	0.44	0.7
	1987	1,774.7	79.2	2,865	1,043	38	1,005	510	533	0.36	0.6
	1988	1,830.7	80.2	2,808	1,104	65	1,039	592	512	0.39	0.6
	1989	1,810.2	80.8	1,994	620	44	576	252	368	0.31	0.3
	1990	1,340.3	61.3	2,289	727	63	664	288	439	0.32	0.5
	1991	1,945.1	85.0	1,723	361	18	343	111	250	0.21	0.2
	1992	1,696.8	74.4	1,619	418	38	380	114	304	0.26	0.2
	1993	1,470.4	66.2	1,685	463	16	447	83	380	0.27	0.3
	1994	1,848.0	80.2	1,637	397	7	390	80	317	0.24	0.2
	1995	2,132.3	92.9	1,259	138	7	131	29	109	0.11	0.1
MILLSTONE POINT 1 Docket 50-245; DPR-21 1st commercial operation 3/71 Type - BWR Capacity - 641 MWe	1972	377.6		612	596	50	546	340	256	0.97	1.6
	1973	225.1		1,184	663	125	538	422	241	0.56	2.9
	1974	430.3	79.1	2,477	1,430					0.58	3.3
	1975	465.4	75.6	2,587	2,022					0.78	4.3
	1976	449.8	76.1	1,387	1,194	54	1,140	955	239	0.86	2.7
	1977	575.7	89.6	1,075	394	118	274	159	233	0.37	0.7
	1978	556.6	87.6	1,391	1,416	160	1,256	1,036	380	1.02	2.5
	1979	505.0	77.3	2,001	1,795	198	1,597	1,327	468	0.90	3.6

C-19

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
MILLSTONE POINT 1 (continued)	1980	405.8	69.0	3,024	2,157	100	2,057	1,863	294	0.71	5.3
	1981	304.3	51.6	2,506	1,496	96	1,400	1,201	295	0.60	4.9
	1982	490.2	79.9	1,370	929	78	851	587	342	0.68	1.9
	1983	640.1	95.6	309	244	63	181	74	170	0.79	0.4
	1984	516.1	78.8	1,992	836	80	756	531	305	0.42	1.6
	1985	548.5	83.6	732	608	65	543	369	239	0.83	1.1
	1986	626.8	95.4	389	150	47	103	53	97	0.39	0.2
	1987	523.4	79.6	1,588	684	56	628	523	161	0.43	1.3
	1988	658.8	98.6	327	144	31	113	60	84	0.44	0.2
	1989	554.6	84.2	852	462	40	422	334	128	0.54	0.8
	1990	608.3	91.6	365	131	42	89	58	73	0.36	0.2
	1991	213.1	35.4	1,154	409	60	349	311	98	0.35	1.9
	1992	431.8	68.1	348	99	22	77	63	36	0.28	0.2
	1993	627.9	96.8	305	81	27	54	32	49	0.27	0.1
	1994	394.0	63.6	1,321	391	12	379	308	83	0.30	1.0
	1995	520.6	80.0	910	620	29	591	539	81	0.68	1.2
MILLSTONE POINT 2,3	1976	545.7	78.7	620	168	26	142	73	95	0.27	0.3
Docket 50-336, 50-423; DPR-65, NPF-49	1977	518.7	65.7	667	242	38	204	153	89	0.36	0.5
1st commercial operation 12/75, 4/86	1978	536.6	67.3	1,420	1,444	65	1,379	1,366	78	1.02	2.7
Type - PWR	1979	520.0	62.8	525	471	81	390	304	167	0.90	0.9
Capacity - 873, 1137 MWe	1980	579.3	69.2	893	637	76	561	515	122	0.71	1.1
	1981	722.4	82.6	890	531	44	487	393	138	0.60	0.7
	1982	595.9	70.6	2,083	1,413	27	1,386	1,219	194	0.68	2.4
	1983	294.0	34.2	2,383	1,881	170	1,711	1,548	333	0.79	6.4
	1984	782.7	93.5	285	120	11	109	63	57	0.42	0.2
	1985	417.8	49.4	1,905	1,581	60	1,521	1,256	325	0.83	3.8
	1986	1,313.8	80.4	2,393	993	27	966	784	209	0.41	0.8
	1987	1,624.5	84.1	1,441	505	19	486	370	135	0.35	0.3
	1988	1,594.8	83.2	1,827	804	31	773	523	281	0.44	0.5
	1989	1,428.3	72.9	1,984	1,079	44	1,035	877	202	0.54	0.8
	1990	1,614.9	87.1	1,652	593	35	558	491	102	0.36	0.4
	1991	819.5	69.7	1,084	381	21	360	256	125	0.35	0.5
	1992	1,115.1	59.9	3,190	1,280	35	1,245	1,173	107	0.40	1.1
	1993	1,525.2	79.7	2,064	557	29	528	234	323	0.27	0.4
	1994	1,556.6	73.1	1,249	188	35	153	123	65	0.15	0.1
	1995	1,278.1	60.5	1,691	416	150	266	284	132	0.25	0.3

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
MONTICELLO Docket 50-263; DPR-22 1st commercial operation 6/71 Type - BWR Capacity - 536 MWe	1972	424.4		99	61	40	21	1	60	0.62	0.1
	1973	389.5		401	176	48	128	67	109	0.44	0.5
	1974	349.3	74.9	842	349			91	258	0.41	1.0
	1975	344.8	72.2	1,353	1,353					1.00	3.9
	1976	476.4	91.5	325	263	59	204	52	212	0.81	0.6
	1977	425.6	79.9	860	1,000	135	865	661	339	1.16	2.3
	1978	459.4	87.2	679	375	62	313	165	210	0.55	0.8
	1979	522.0	97.6	372	157	62	95	52	105	0.42	0.3
	1980	411.8	78.2	1,114	531	82	449	248	283	0.48	1.3
	1981	389.3	72.6	1,446	1,004	101	903	756	248	0.69	2.6
	1982	291.1	63.3	1,307	993	130	863	760	233	0.76	3.4
	1983	494.6	96.3	416	121	57	64	23	98	0.29	0.2
	1984	33.7	9.2	1,872	2,462	208	2,254	927	1,535	1.32	73.1
	1985	509.8	91.7	586	327	87	240	47	280	0.56	0.6
	1986	402.7	79.1	895	596	94	502	114	482	0.67	1.5
	1987	422.5	81.9	941	568	102	466	115	453	0.60	1.3
	1988	542.5	99.8	375	110	40	70	10	100	0.29	0.2
	1989	318.2	76.2	1,102	507	99	408	113	394	0.46	1.6
	1990	536.0	96.9	336	94	42	52	11	83	0.28	0.2
	1991	429.4	80.8	964	465	102	363	101	364	0.48	1.1
1992	528.3	97.5	454	114	46	68	10	104	0.25	0.2	
1993	458.1	84.4	954	494	118	376	94	400	0.52	1.1	
1994	471.3	87.0	788	395	83	312	102	293	0.50	0.8	
1995	564.7	100.0	200	44	27	17	3	41	0.22	0.1	
NINE MILE POINT 1,2 Docket 50-220, 50-410; DPR-63, NPF-69 1st commercial operation 12/69, 4/88 Type - BWR Capacity - 565, 994 MWe	1970	227.0		821	44	12	32	17	27	0.05	0.2
	1971	346.5		1,006	195	43	152	63	132	0.19	0.6
	1972	381.8		735	285	59	226	28	257	0.39	0.7
	1973	411.0		550	567	139	428	118	449	1.03	1.4
	1974	385.9	70.5	740	824	42	782	279	545	1.11	2.1
	1975	359.0	72.1	649	681	68	613	203	478	1.05	1.9
	1976	484.6	88.2	392	428	52	376	229	199	1.09	0.9
	1977	347.4	59.2	1,093	1,383	41	1,342	883	500	1.27	4.0
	1978	527.7	95.1	561	314	59	255	26	288	0.56	0.6
	1979	354.0	66.1	1,326	1,497	106	1,391	940	557	1.13	4.2
	1980	533.9	92.3	1,174	591	75	516	251	340	0.50	1.1
	1981	385.2	66.0	2,029	1,592	144	1,448	1,064	528	0.78	4.1
	1982	133.5	21.4	1,352	1,264	63	1,201	944	320	0.93	9.5
	1983	329.8	56.2	1,405	860	50	810	576	284	0.61	2.6
	1984	426.8	71.9	1,530	890	163	727	372	518	0.58	2.1
1985	580.9	96.4	1,007	265	61	204	43	222	0.26	0.5	
1986	371.0	65.3	1,878	1,275	38	1,237	730	545	0.68	3.4	
1987	542.6	93.3	1,190	141	35	106	39	102	0.12	0.3	

C-21

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
NINE MILE POINT 1,2 (continued)											
	1988	0.0	0.0	2,626	854	33	821	509	345	0.33	---
	1989	527.5	29.7	2,737	564	53	511	382	182	0.21	1.1
	1990	656.2	46.6	2,405	699	85	614	467	232	0.29	1.1
	1991	1,250.8	79.7	1,543	292	72	220	94	198	0.19	0.2
	1992	965.9	61.8	1,800	563	102	461	184	379	0.31	0.6
	1993	1,380.2	84.6	2,352	633	90	543	427	206	0.27	0.5
	1994	1,589.6	95.9	800	149	56	93	52	97	0.19	0.1
	1995	1,382.2	82.5	2,304	759	87	672	579	180	0.33	0.5
NORTH ANNA 1,2											
C-22	1979	507.0	61.7	2,025	449	78	371	190	259	0.22	0.9
	1980	681.8	86.5	2,086	218	128	90	85	133	0.10	0.3
	1981	1,241.9	71.5	2,416	680	188	492	343	337	0.28	0.5
	1982	777.7	45.8	2,872	1,915	78	1,837	1,207	708	0.67	2.5
	1983	1,338.4	76.1	2,228	665	129	536	296	369	0.30	0.5
	1984	1,021.3	58.8	3,062	1,945	155	1,790	1,417	528	0.64	1.9
	1985	1,516.9	86.1	2,436	838	141	697	501	337	0.34	0.6
	1986	1,484.5	83.0	2,831	722	111	611	343	379	0.26	0.5
	1987	1,112.6	67.8	2,624	1,521	60	1,461	1,075	446	0.58	1.4
	1988	1,772.7	96.7	992	112	28	84	19	93	0.11	0.1
	1989	1,226.8	72.5	2,861	1,471	36	1,435	1,159	312	0.51	1.2
	1990	1,590.4	90.5	2,161	590	12	578	433	157	0.27	0.4
	1991	1,597.5	88.6	2,085	629	19	610	461	168	0.30	0.4
	1992	1,403.2	84.1	2,159	576	15	561	413	163	0.27	0.4
	1993	1,428.4	80.1	2,768	908	12	896	711	197	0.33	0.6
	1994	1,717.1	95.9	1,036	193	17	176	93	100	0.19	0.1
	1995	1,666.4	90.8	1,551	367	9	358	193	174	0.24	0.2
OCONEE 1,2,3											
	1974	650.6	60.1	844	517	18	499	144	373	0.61	0.8
	1975	1,838.3	75.5	829	497	72	425	90	407	0.60	0.3
	1976	1,561.4	63.0	1,215	1,026	65	961	219	807	0.84	0.7
	1977	1,566.4	65.9	1,595	1,329	244	1,084	294	1,034	0.83	0.8
	1978	1,909.0	75.8	1,636	1,393	179	1,214	340	1,053	0.85	0.7
	1979	1,708.0	67.7	2,100	1,001	123	878	181	820	0.48	0.6
	1980	1,703.7	70.1	2,124	1,055	117	938	162	893	0.50	0.6
	1981	1,661.5	66.8	2,445	1,211	113	1,098	275	936	0.50	0.7
	1982	1,293.1	52.5	2,445	1,792	97	1,695	364	1,428	0.73	1.4
	1983	2,141.5	82.2	1,902	1,207	88	1,119	316	891	0.63	0.6
	1984	2,242.9	85.7	2,085	1,106	63	1,043	260	846	0.53	0.5
	1985	2,036.3	80.5	2,729	1,304	144	1,160	378	926	0.48	0.6
	1986	1,995.6	79.0	2,499	949	36	913	261	688	0.38	0.5

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
OCONEE 1,2,3 (continued)	1987	1,962.6	82.4	2,672	1,142	51	1,091	376	766	0.43	0.6
	1988	2,228.9	87.2	2,672	871	51	820	317	554	0.33	0.4
	1989	2,188.6	85.4	2,205	684	53	631	200	484	0.31	0.3
	1990	2,405.2	91.4	1,948	404	36	368	132	272	0.21	0.2
	1991	2,275.0	86.7	1,966	551	46	505	143	408	0.28	0.2
	1992	2,110.7	82.0	1,954	612	60	552	166	446	0.31	0.3
	1993	2,399.2	91.3	1,499	237	23	214	43	194	0.16	0.1
	1994	2,144.3	82.2	1,923	537	40	497	114	423	0.28	0.2
	1995	2,366.1	89.5	1,586	304	31	273	63	241	0.19	0.1
	OYSTER CREEK Docket 50-219; DPR-16 1st commercial operation 12/69 Type - BWR Capacity - 619 MWe	1970	413.6		95	63	21	42	11	52	0.66
1971		448.9		249	240	50	190	92	148	0.96	0.5
1972		515.0		339	582	150	432	167	415	1.72	1.1
1973		424.6		782	1,236	195	1,041	683	553	1.58	2.9
1974		434.5	70.4	935	984	166	818	162	822	1.05	2.3
1975		373.6	73.3	1,210	1,140	169	971	271	869	0.94	3.1
1976		456.5	79.3	1,582	1,078	70	1,008	587	491	0.68	2.4
1977		385.7	70.1	1,673	1,614	76	1,538	1,048	566	0.96	4.2
1978		431.8	74.3	1,411	1,279	134	1,145	696	583	0.91	3.0
1979		541.0	85.9	842	467	95	372	135	332	0.55	0.9
1980		232.9	41.4	1,966	1,733	97	1,636	1,183	550	0.88	7.4
1981		314.8	59.8	1,689	917	48	869	479	438	0.54	2.9
1982		242.7	62.5	1,270	865	33	832	491	374	0.68	3.6
1983		27.9	11.5	2,303	2,257	65	2,192	1,863	394	0.98	80.9
1984		37.1	9.6	2,369	2,054	134	1,920	1,537	517	0.87	55.4
1985		446.1	89.4	2,342	748	116	632	318	430	0.32	1.7
1986		157.3	31.5	3,740	2,436	288	2,148	1,924	512	0.65	15.5
1987		371.0	64.2	1,932	522	112	410	211	311	0.27	1.4
1988		419.6	65.9	2,875	1,504	135	1,369	1,232	272	0.52	3.6
1989	287.5	57.3	2,395	910	138	772	566	344	0.38	3.2	
1990	511.8	89.1	1,941	310	76	234	131	179	0.16	0.6	
1991	351.6	60.5	3,089	1,185	151	1,034	938	247	0.38	3.4	
1992	536.3	85.9	2,771	657	70	587	438	219	0.24	1.2	
1993	551.9	87.8	2,560	416	60	356	238	178	0.16	0.8	
1994	431.7	70.8	2,382	844	56	788	621	223	0.35	2.0	
1995	615.4	97.4	761	90	21	69	17	73	0.12	0.1	

C-23

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
PALISADES	1972	216.8			78						0.4
Docket 50-255; DPR-20	1973	286.8		975	1,133	16	1,117	661	472	1.16	4.0
1st commercial operation 12/71	1974	10.7	5.5	774	627					0.81	58.6
Type - PWR	1975	302.0	64.5	495	306					0.62	1.0
Capacity - 730 MWe	1976	346.9	55.2	742	696	23	673	109	587	0.94	2.0
	1977	616.6	91.4	332	100	13	87	23	77	0.30	0.2
	1978	320.2	49.7	849	764	52	712	173	591	0.90	2.4
	1979	415.0	59.9	1,599	854	99	755	360	494	0.53	2.1
	1980	288.3	42.9	1,307	424	57	367	312	112	0.32	1.5
	1981	418.2	57.2	2,151	902	167	735	737	165	0.42	2.2
	1982	404.3	54.7	1,554	330	73	257	203	127	0.21	0.8
	1983	454.4	60.3	2,167	977	145	832	494	483	0.45	2.2
	1984	98.7	15.2	1,344	573	79	494	239	334	0.43	5.8
	1985	639.2	83.8	1,355	507	105	402	239	268	0.37	0.8
	1986	102.3	15.1	1,438	672	148	524	204	468	0.47	6.6
	1987	319.2	48.2	1,122	456	85	371	216	240	0.41	1.4
	1988	413.4	56.8	1,472	730	138	592	466	264	0.50	1.8
	1989	442.8	69.1	1,026	314	70	244	190	124	0.31	0.7
	1990	366.7	58.7	2,414	766	109	657	629	137	0.32	2.1
	1991	587.0	78.1	1,315	211	42	169	133	78	0.16	0.4
	1992	581.9	76.1	1,267	295	37	258	211	84	0.23	0.5
	1993	424.4	53.7	908	289	45	244	188	101	0.32	0.7
	1994	541.8	67.0	397	60	17	43	21	39	0.15	0.1
	1995	583.5	75.8	1,230	462	65	397	315	147	0.38	0.8
PALO VERDE 1,2,3	1987	1,638.1	66.1	1,792	669	101	568	437	232	0.37	0.4
Docket 50-528, 50-529; 50-530; NPF-41, NPF-51, NPF-74	1988	1,700.9	65.5	2,173	688	77	611	472	216	0.32	0.4
1st commercial operation 1/86,9/86,1/88	1989	965.3	26.5	2,615	720	87	633	559	161	0.28	0.7
Type - PWRs	1990	2,500.9	67.5	2,236	499	68	431	373	126	0.22	0.2
Capacity - 1221, 1221, 1221 MWe	1991	3,043.9	78.9	2,242	605	79	526	422	183	0.27	0.2
	1992	3,102.3	82.0	1,981	541	53	488	373	168	0.27	0.2
	1993	2,677.1	74.3	2,124	592	51	541	435	157	0.28	0.2
	1994	2,827.6	79.1	2,048	462	40	422	310	152	0.23	0.2
	1995	3,265.2	85.6	1,875	482	62	420	278	204	0.26	0.1
PEACH BOTTOM 2,3	1975	1,234.3	80.9	971	228					0.23	0.2
Docket 50-277, 50-278; DPR-44, -56	1976	1,379.2	73.0	2,136	840	180	660	434	406	0.39	0.6
1st commercial operation 7/74, 12/74	1977	1,052.4	58.7	2,827	2,036	223	1,813	1,374	662	0.72	1.9
Type - BWR	1978	1,636.3	84.0	2,244	1,317	162	1,155	709	608	0.59	0.8
Capacity - 1093, 1035 MWe	1979	1,740.0	84.5	2,276	1,388	245	1,143	717	671	0.61	0.8
	1980	1,374.2	66.3	2,774	2,302	311	1,991	1,596	706	0.83	1.7

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
PEACH BOTTOM 2,3 (continued)	1981	1,161.8	58.0	2,857	2,506	273	2,233	1,880	626	0.88	2.2
	1982	1,583.3	76.9	2,734	1,977	313	1,664	1,348	629	0.72	1.2
	1983	824.7	41.0	3,107	2,963	331	2,632	2,422	541	0.95	3.6
	1984	1,165.8	57.5	3,313	2,450	225	2,225	2,045	405	0.74	2.1
	1985	682.7	37.5	4,209	3,354	395	2,959	2,727	627	0.80	4.9
	1986	1,395.0	71.7	2,454	1,080	294	786	671	409	0.44	0.8
	1987	365.7	20.3	4,363	2,195	178	2,017	1,712	483	0.50	6.0
	1988	0.0	0.0	4,204	2,327	114	2,213	2,025	302	0.55	—
	1989	491.0	35.0	2,301	728	243	485	357	371	0.32	1.5
	1990	1,684.0	85.7	1,585	377	99	278	179	198	0.24	0.2
	1991	1,210.9	62.3	2,702	934	137	797	610	324	0.35	0.8
	1992	1,516.6	78.7	1,911	502	121	381	256	246	0.26	0.3
	1993	1,654.0	81.9	1,757	552	135	417	292	260	0.31	0.3
	1994	1,927.4	93.8	2,133	579	97	482	374	205	0.27	0.3
	1995	1,955.9	95.1	1,940	398	118	280	226	172	0.21	0.2
PERRY	1988	869.3	79.0	782	105	34	71	36	69	0.13	0.1
Docket 50-440; NPF-58	1989	642.2	57.0	1,883	767	113	654	604	163	0.41	1.2
1st commercial operation 11/87	1990	792.7	67.1	1,537	638	51	587	494	144	0.42	0.8
Type - BWR	1991	1,074.2	91.9	600	146	24	122	50	96	0.24	0.1
Capacity - 1166 MWe	1992	856.2	75.5	1,487	571	28	543	440	131	0.38	0.7
	1993	479.2	48.2	1,235	278	30	248	106	172	0.23	0.6
	1994	550.8	50.2	2,098	691	71	620	529	162	0.33	1.3
	1995	1,090.9	95.6	587	64	13	51	17	47	0.11	0.1
PILGRIM 1	1973	484.0		230	126	49	77			0.55	0.3
Docket 50-293; DPR-35	1974	234.1	39.2	454	415					0.91	1.8
1st commercial operation 12/72	1975	308.1	71.3	473	798	142	656	412	386	1.69	2.6
Type - BWR	1976	287.8	60.7	1,317	2,648	66	2,582	2,270	378	2.01	9.2
Capacity - 670 MWe	1977	316.6	61.4	1,875	3,142	146	2,996	2,176	966	1.68	9.9
	1978	519.5	83.1	1,667	1,327	157	1,170	895	432	0.80	2.6
	1979	574.0	89.4	2,458	1,015	130	885	516	499	0.41	1.8
	1980	360.3	56.2	3,549	3,626	207	3,419	3,076	550	1.02	10.1
	1981	408.9	65.9	2,803	1,836	70	1,766	1,418	418	0.66	4.5
	1982	389.9	63.9	2,854	1,539	314	1,225	1,094	445	0.54	3.9
	1983	559.5	87.2	2,326	1,162	296	866	776	386	0.50	2.1
	1984	1.4	0.4	4,542	4,082	647	3,435	3,767	315	0.90	15.7
	1985	587.3	91.5	2,209	893	13	880	739	154	0.40	1.5
	1986	121.9	18.8	2,635	874	110	764	718	156	0.33	7.2
	1987	0.0	0.0	4,710	1,579	99	1,480	1,485	94	0.34	—
	1988	0.0	0.0	2,073	392	58	334	218	174	0.19	—

C-25

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
PILGRIM 1 (continued)	1989	204.6	64.1	1,797	207	137	70	40	167	0.12	1.0
	1990	503.5	82.1	1,898	225	112	113	68	157	0.12	0.4
	1991	406.3	65.8	2,836	605	113	492	410	195	0.21	1.5
	1992	561.0	85.4	1,332	281	50	231	122	159	0.21	0.5
	1993	513.7	80.9	1,328	435	54	381	283	152	0.33	0.8
	1994	453.6	71.4	758	200	41	159	79	121	0.26	0.4
	1995	531.7	80.7	1,294	482	55	427	297	185	0.37	0.9
POINT BEACH 1,2	1971	393.4			164						0.4
Docket 50-266, 50-301; DPR-24, -27	1972	378.3			580						1.5
1st commercial operation 12/70, 10/72	1973	693.7		501	588	72	516			1.17	0.8
Type - PWRs	1974	760.2	81.3	400	295	70	225	81	214	0.74	0.4
Capacity - 485, 485 MWe	1975	801.2	82.9	339	459					1.35	0.6
	1976	857.3	86.7	313	370	58	312	107	263	1.18	0.4
	1977	873.9	87.3	417	430	63	366	212	217	1.03	0.5
	1978	914.4	90.9	336	320	71	249	111	209	0.95	0.3
	1979	808.0	80.8	610	644	65	579	448	196	1.06	0.8
	1980	727.2	82.5	561	598	60	538	420	178	1.07	0.8
	1981	760.4	83.6	773	596	83	513	364	232	0.77	0.8
	1982	757.2	84.3	767	609	72	537	375	234	0.79	0.8
	1983	648.2	72.7	1,702	1,403	81	1,322	1,184	219	0.82	2.2
	1984	788.9	78.6	1,372	789	121	668	457	332	0.58	1.0
	1985	831.3	82.5	671	482	71	411	242	240	0.72	0.6
	1986	858.9	85.7	664	402	50	352	219	183	0.61	0.5
	1987	857.5	85.5	720	554	55	499	369	185	0.77	0.6
	1988	899.3	88.6	734	410	64	346	235	175	0.56	0.5
	1989	847.8	85.5	736	504	77	427	284	220	0.68	0.6
	1990	875.5	86.5	617	378	53	325	161	217	0.61	0.4
	1991	874.8	87.1	724	265	42	223	134	131	0.37	0.3
	1992	866.7	85.8	617	256	39	217	118	138	0.41	0.3
	1993	911.0	90.0	559	186	26	160	63	123	0.33	0.2
	1994	914.5	91.2	548	170	34	136	75	95	0.31	0.2
	1995	858.4	86.1	548	190	29	161	92	98	0.35	0.2
PRAIRIE ISLAND 1,2	1974	181.9	43.9	150	18			5	13	0.12	0.1
Docket 50-282, 50-306; DPR-42, -60	1975	836.0	83.3	477	123					0.26	0.1
1st commercial operation 12/73, 12/74	1976	725.2	76.6	818	447	68	379	235	212	0.55	0.6
Type - PWRs	1977	922.9	87.2	718	300	73	227	60	240	0.42	0.3
Capacity - 513, 512 MWe	1978	941.1	92.2	546	221	43	178	48	173	0.40	0.2
	1979	865.0	86.0	594	180	29	151	49	131	0.30	0.2
	1980	800.7	79.9	983	353	40	313	141	212	0.36	0.4

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type				
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility		
PRAIRIE ISLAND 1,2 (continued)	1981	844.9	80.5	836	329	37	292	128	201	0.39	0.4
	1982	944.9	90.4	645	229	30	199	68	161	0.36	0.2
	1983	921.1	86.8	654	233	14	219	73	160	0.36	0.3
	1984	972.4	91.7	546	147	18	129	52	95	0.27	0.2
	1985	882.6	84.0	1,082	416	31	385	136	280	0.38	0.5
	1986	930.6	90.3	818	255	18	237	80	175	0.31	0.3
	1987	969.6	91.6	593	135	9	126	51	84	0.23	0.1
	1988	932.0	89.1	732	199	17	182	62	137	0.27	0.2
	1989	1,001.8	94.7	476	99	10	89	28	71	0.21	0.1
	1990	925.4	89.2	737	188	8	180	74	114	0.26	0.2
	1991	1,023.3	95.6	586	98	10	88	26	72	0.17	0.1
	1992	811.6	76.2	845	211	12	199	72	139	0.25	0.3
	1993	978.3	90.7	532	106	5	101	32	74	0.20	0.1
	1994	996.9	91.5	478	109	17	92	41	68	0.23	0.1
	1995	1,023.2	93.9	499	107	11	96	40	67	0.21	0.1
QUAD CITIES 1,2	1974	958.1	72.3	678	482			36	446	0.71	0.5
Docket 50-254, 50-265; DPR-29, -30	1975	833.6	68.4	1,083	1,618	114	1,504	692	926	1.49	1.9
1st commercial operation 2/73, 3/73	1976	951.2	73.1	1,225	1,651	269	1,382	648	1,003	1.35	1.7
Type - BWRs	1977	970.1	84.0	907	1,031	108	923	373	658	1.14	1.1
Capacity - 769, 769 MWe	1978	1,124.5	88.6	1,207	1,618	358	1,260	722	1,618	1.34	1.4
	1979	1,075.0	84.6	1,688	2,158	215	1,943	1,250	908	1.28	2.0
	1980	866.9	64.4	3,089	4,838	291	4,547	3,657	1,181	1.57	5.6
	1981	1,156.9	81.1	2,246	3,146	100	3,046	2,623	523	1.40	2.7
	1982	1,018.7	76.0	2,314	3,757	177	3,580	2,653	1,104	1.62	3.7
	1983	1,088.5	79.2	1,802	2,491	168	2,323	1,898	593	1.38	2.3
	1984	994.6	65.7	1,678	1,579	122	1,457	1,075	504	0.94	1.6
	1985	1,268.0	82.7	1,184	990	172	818	27	963	0.84	0.8
	1986	1,093.2	71.0	1,451	950	128	822	568	382	0.65	0.9
	1987	1,126.6	75.3	1,429	720	79	641	435	285	0.50	0.6
	1988	1,173.7	84.1	1,486	827	136	691	545	282	0.56	0.7
	1989	1,196.3	85.9	1,721	900	143	757	616	284	0.52	0.8
	1990	1,148.9	77.8	2,186	1,028	183	845	713	315	0.47	0.9
	1991	1,044.5	73.2	1,722	509	107	402	292	217	0.30	0.5
	1992	960.8	68.0	2,413	1,157	168	989	754	403	0.48	1.2
	1993	974.9	67.0	2,150	849	131	718	491	358	0.39	0.9
	1994	681.5	48.7	2,163	1,128	144	984	789	339	0.52	1.7
	1995	1,002.5	70.4	2,041	736	101	635	441	295	0.36	0.7

C-27

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type				
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility		
RANCHO SECO ¹¹	1976	268.1	30.4	297	58	6	52	17	41	0.20	0.2
Docket 50-312; DPR-54	1977	706.4	77.1	515	391	61	329	248	142	0.76	0.6
1st commercial operation 4/75	1978	607.7	80.5	508	323	76	247	176	147	0.64	0.5
Type - PWR	1979	687.0	91.1	287	126	27	99	64	62	0.44	0.2
Capacity - 873 MWe	1980	530.9	60.4	890	412	110	302	281	131	0.46	0.8
	1981	321.2	40.2	772	402	83	319	266	136	0.52	1.3
	1982	409.5	53.3	766	337	49	288	217	120	0.44	0.8
	1983	347.9	46.8	1,338	787	158	629	604	183	0.59	2.3
	1984	460.0	58.3	802	222	73	149	115	107	0.28	0.5
	1985	238.7	30.8	1,764	756	183	573	583	173	0.43	3.2
	1986	0.0	0.0	1,513	402	36	366	277	125	0.27	---
	1987	0.0	0.0	1,533	300	52	248	216	84	0.20	---
	1988	355.8	63.1	693	78	13	65	33	45	0.11	0.2
	1989	179.9	54.7	603	81	9	72	19	62	0.13	0.5
	1990	0.0	0.0	111	13	4	9	2	11	0.12	---
	1991	0.0	0.0	101	9	5	4	1	8	0.09	---
	1992	0.0	0.0	70	7	4	3	0	7	0.10	---
	1993	0.0	0.0	35	4	3	1	0	4	0.11	---
	1994	0.0	0.0	18	1	1	0	0	1	0.06	---
	1995	0.0	0.0	16	1	1	0	0	1	0.06	***
RIVER BEND 1	1987	605.2	68.4	1,268	378	70	308	249	129	0.30	0.6
Docket 50-458; NPF-47	1988	880.7	94.3	513	107	30	77	34	73	0.21	0.1
1st commercial operation 6/86	1989	584.5	69.1	1,566	558	44	514	412	146	0.36	1.0
Type - BWR	1990	682.2	78.0	1,616	489	49	440	348	141	0.30	0.7
Capacity - 936 MWe	1991	814.7	87.2	780	144	38	106	54	90	0.18	0.2
	1992	336.1	39.7	2,022	710	77	633	580	130	0.35	2.1
	1993	640.0	71.6	847	180	41	139	56	124	0.21	0.3
	1994	595.7	64.9	2,209	519	73	446	369	150	0.24	0.9
	1995	967.1	99.6	667	85	21	64	35	50	0.13	0.1
ROBINSON 2	1972	580.0		245	215	42	173	137	78	0.88	0.4
Docket 50-261; DPR-23	1973	455.1		831	695					0.84	1.5
1st commercial operation 3/71	1974	578.1	83.3	853	672	185	487			0.79	1.2
Type - PWR	1975	501.8	72.7	849	1,142					1.35	2.3
Capacity - 683 MWe	1976	585.5	84.7	597	715	30	685	457	758	1.20	1.2
	1977	511.5	85.2	634	455	52	403	223	232	0.72	0.9

¹¹Rancho Seco has been permanently shutdown.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)						Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type					
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility			
ROBINSON 2 (continued)	1978	480.5	72.0	943	963	63	900	529	434	1.02	2.0	
	1979	482.0	70.8	1,454	1,188	60	1,128	794	394	0.82	2.5	
	1980	387.3	62.2	2,009	1,852	79	1,773	1,379	473	0.92	4.8	
	1981	426.6	73.0	1,462	733	45	688	513	220	0.50	1.7	
	1982	277.5	48.9	2,011	1,426	128	1,298	945	481	0.71	5.1	
	1983	409.8	75.5	2,244	923	96	827	628	295	0.41	2.3	
	1984	28.0	7.0	4,127	2,880	196	2,684	2,549	331	0.70	102.9	
	1985	629.5	87.9	1,378	311	52	259	164	147	0.23	0.5	
	1986	577.1	80.3	1,571	539	46	493	340	199	0.34	0.9	
	1987	510.1	72.5	1,379	499	54	445	313	186	0.36	1.0	
	1988	385.0	65.9	1,351	564	44	520	370	194	0.42	1.5	
	1989	336.6	48.7	1,098	195	31	164	88	107	0.18	0.6	
	1990	400.3	64.8	1,626	437	33	404	356	81	0.27	1.1	
	1991	575.1	81.4	885	193	31	162	139	54	0.22	0.3	
	1992	487.2	66.8	1,267	352	51	301	260	92	0.28	0.7	
	1993	502.7	70.7	1,221	337	13	324	246	91	0.28	0.7	
	1994	560.3	79.5	420	63	9	54	17	46	0.15	0.1	
	1995	618.7	84.7	1,058	215	12	203	111	104	0.20	0.3	
SALEM 1,2 Docket 50-272, -311; DPR-70, -75 1st commercial operation 6/77 Type - PWRs Capacity - 1106, 1106 MWe	1978	546.4	55.6	574	122	28	94	32	90	0.21	0.2	
	1979	250.0	25.5	1,488	584	100	484	359	225	0.39	2.3	
	1980	680.6	69.2	1,704	449	55	394	281	168	0.26	0.7	
	1981	743.0	78.1	1,652	254	4	250	152	102	0.15	0.3	
	1982	1,440.4	72.6	3,228	1,203	66	1,137	846	357	0.37	0.8	
	1983	742.0	30.5	2,383	581	10	571	463	118	0.24	0.8	
	1984	650.1	31.8	1,395	681	10	671	469	212	0.49	1.0	
	1985	1,657.7	75.8	1,112	204	59	145	54	150	0.18	0.1	
	1986	1,484.3	70.4	3,554	599	10	589	459	140	0.17	0.4	
	1987	1,478.2	73.3	2,543	600	8	592	433	167	0.24	0.4	
	1988	1,591.6	73.6	1,609	503	1	502	329	174	0.31	0.3	
	1989	1,675.4	79.5	2,944	338	4	334	209	129	0.11	0.2	
	1990	1,362.6	65.1	3,636	272	6	266	188	84	0.07	0.2	
	1991	1,726.4	79.3	4,201	458	15	443	366	92	0.11	0.3	
	1992	1,200.9	61.1	4,376	431	16	415	340	91	0.10	0.4	
1993	1,366.3	65.4	3,559	408	11	397	318	90	0.11	0.3		
1994	1,367.4	73.8	950	188	2	186	122	66	0.20	0.1		
1995	558.1	29.3	1,195	218	4	214	147	71	0.18	0.4		

C-29

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
SAN ONOFRE 1, ¹² 2,3	1969	314.1		123	42	10	32	5	37	0.34	0.1
Docket 50-206, -361, -362;	1970	365.9		251	155	13	142	59	96	0.62	0.4
DPR-13, NPF-10, NPF-15	1971	362.1		121	50	12	38	3	47	0.41	0.1
1st commercial operation 1/68,8/83,4/84	1972	338.5		326	256	29	227	117	139	0.79	0.8
Type - PWR	1973	273.7		570	353	40	313	168	185	0.62	1.3
Capacity - 436, 1070, 1080 MWe	1974	377.8	86.1	219	71					0.32	0.2
	1975	389.0	87.4	424	292					0.69	0.8
	1976	297.9	70.2	1,330	880	147	733	629	251	0.66	3.0
	1977	281.2	63.7	985	847	77	770	451	396	0.86	3.0
	1978	323.2	80.2	764	401	25	376	234	167	0.52	1.2
	1979	401.0	90.2	521	139	23	116	65	74	0.27	0.3
	1980	97.3	22.3	3,063	2,386	219	2,167	2,017	369	0.78	24.5
	1981	95.9	26.7	2,902	3,223	100	3,123	3,104	119	1.11	33.6
	1982	61.6	15.7	3,055	832	81	751	730	102	0.27	13.5
	1983	0.0	0.0	1,701	155	31	124	113	42	0.09	—
	1984	670.4	68.3	7,514	986	105	881	831	155	0.27	1.5
	1985	1,381.8	132.9	5,742	722	16	173	151	38	0.24	15.5
	1986	1,698.2	61.1	3,594	824	86	738	574	250	0.24	1.1
	1987	1,983.0	78.8	2,138	696	113	583	408	288	0.33	0.4
	1988	1,982.3	68.4	2,324	781	99	682	518	263	0.34	0.4
	1989	1,840.8	64.9	2,237	567	23	544	357	210	0.25	0.3
	1990	1,980.5	69.1	2,224	885	109	776	693	192	0.40	0.4
	1991	1,987.6	75.3	1,814	412	43	369	289	123	0.23	0.2
	1992	2,228.6	87.1	1,651	324	5	319	229	95	0.20	0.1
	1993	1,771.3	79.9	2,193	767	89	678	598	169	0.35	0.4
	1994	2,220.7	100.0	528	32	7	25	10	22	0.06	0.0
	1995	1,686.9	79.1	1,914	455	0	455	301	154	0.24	0.3
SEABROOK	1991	810.4	75.9	699	92	2	90	43	49	0.13	0.1
Docket 50-443; NPF-86	1992	932.4	81.3	806	147	0	147	128	19	0.18	0.2
1st commercial operation 8/90	1993	1,071.5	93.6	110	6	0	6	0	6	0.05	0.0
Type - PWR	1994	736.4	63.5	852	113	28	85	87	26	0.13	0.2
Capacity - 1150 Mwe	1995	995.5	87.5	800	102	2	100	76	26	0.13	0.1
SEQUOYAH 1,2	1982	583.5	52.8	1,965	570	73	497	61	509	0.29	1.0
Docket 50-327, -328; DPR-77, -79	1983	1,663.7	75.1	1,772	491	74	417	46	445	0.28	0.3
1st commercial operation 7/81, 6/82	1984	1,481.9	69.0	2,373	1,117	152	965	111	1,006	0.47	0.8
Type - PWR	1985	1,151.3	51.3	1,854	1,071	118	953	243	828	0.58	0.9
Capacity - 1111, 1106 MWe	1986	0.0	0.0	1,735	526	101	425	70	456	0.30	—

¹² San Onofre 1 was shut down 11/92 and is no longer included in the count of commercial reactors.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Per Work Function		Per Personnel Type				
					Collective Dose	Opera- tions	Maint & Others	Con- tractor	Station & Utility		
SEQUOYAH 1,2 (continued)	1987	0.0	0.0	2,080	420	55	365	101	319	0.20	—
	1988	490.8	31.8	2,439	678	73	605	115	563	0.28	1.4
	1989	1,851.7	85.7	2,007	657	71	586	140	517	0.33	0.4
	1990	1,662.6	77.2	2,934	1,678	102	1,576	352	1,326	0.57	1.0
	1991	1,965.4	88.0	1,928	698	39	659	299	399	0.36	0.4
	1992	1,849.0	85.4	1,714	465	32	433	343	122	0.27	0.3
	1993	405.7	21.8	1,629	372	29	343	272	100	0.23	0.9
	1994	1,418.7	66.3	1,657	292	18	274	210	82	0.18	0.2
	1995	1,864.2	86.1	1,618	358	28	330	250	108	0.22	0.2
SOUTH TEXAS 1, 2	1989	769.3	65.6	989	161	10	151	114	47	0.16	0.2
Docket 50-498, 50-499; NPF -76,-80	1990	1,504.1	65.9	1,136	206	18	188	126	80	0.18	0.1
1st commercial operation 8/88, 6/89	1991	1,741.5	72.4	1,144	257	38	219	172	85	0.22	0.1
Type - PWRs	1992	2,096.0	83.8	923	147	9	138	91	56	0.16	0.1
Capacity - 1251, 1251 MWe	1993	163.1	8.3	1,138	251	12	239	197	54	0.22	1.5
	1994	1,700.2	70.6	661	47	11	36	26	21	0.07	0.0
	1995	2,294.2	89.9	1,485	291	15	276	208	83	0.20	0.1
ST. LUCIE 1,2	1977	649.1	84.7	445	152	26	126	92	60	0.34	0.2
Docket 50-335, -389; DPR-67; NPF-16	1978	606.4	76.5	797	337	15	322	140	197	0.42	0.6
1st commercial operation 12/76, 8/83	1979	592.0	74.0	907	438	25	413	209	229	0.48	0.7
Type - PWRs	1980	627.9	77.5	1,074	532	82	450	195	337	0.50	0.8
Capacity - 839, 839 MWe	1981	599.1	72.7	1,473	929	20	909	556	373	0.63	1.6
	1982	816.8	94.0	1,045	272	17	255	105	167	0.26	0.3
	1983	290.3	15.4	2,211	1,204	5	1,199	924	280	0.54	4.1
	1984	1,183.0	69.6	2,090	1,263	40	1,223	807	456	0.60	1.1
	1985	1,445.8	82.5	1,971	1,344	294	1,050	810	534	0.68	0.9
	1986	1,588.6	89.1	1,279	491	81	410	322	169	0.38	0.3
	1987	1,407.9	81.9	2,012	951	1	950	560	391	0.47	0.7
	1988	1,639.7	93.0	1,448	611	54	557	371	240	0.42	0.4
	1989	1,493.1	85.1	1,414	495	24	471	298	197	0.35	0.3
	1990	1,188.4	70.0	1,876	777	83	694	482	295	0.41	0.7
	1991	1,592.8	90.8	1,282	479	38	441	303	176	0.37	0.3
	1992	1,511.9	87.3	1,251	264	29	235	153	111	0.21	0.2
	1993	1,227.6	77.7	1,462	492	36	456	304	188	0.34	0.4
	1994	1,424.8	85.0	1,896	505	24	481	302	203	0.27	0.4
	1995	1,306.6	76.0	1,498	413	20	393	197	216	0.28	0.3

C-31

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
SUMMER 1	1984	504.6	61.1	1,120	295	29	266	202	93	0.26	0.6
Docket 50-395; NPF-12	1985	627.7	71.6	1,201	379	74	305	241	138	0.32	0.6
1st commercial operation 1/84	1986	853.7	95.3	392	23	5	18	12	11	0.06	0.03
Type - PWR	1987	618.7	71.0	1,075	560	34	526	454	106	0.52	0.9
Capacity - 885 MWe	1988	605.3	69.1	1,127	511	35	476	403	108	0.45	0.8
	1989	652.4	83.1	374	52	11	41	27	25	0.14	0.1
	1990	730.0	83.9	1,090	376	29	347	322	54	0.34	0.5
	1991	642.5	82.9	984	291	21	270	253	38	0.30	0.5
	1992	892.6	97.4	249	27	6	21	12	15	0.11	0.0
	1993	728.3	84.0	1,121	297	11	286	253	44	0.26	0.4
	1994	536.7	69.5	1,549	374	27	347	334	40	0.24	0.7
	1995	899.8	97.2	257	13	3	10	4	9	0.05	0.0
SURRY 1,2	1973	420.6		936	152					0.16	0.4
Docket 50-280, 50-281; DPR-32, -37	1974	717.4	49.8	1,715	884	72	812			0.52	1.2
1st commercial operation 12/72, 5/73	1975	1,079.0	70.8	1,948	1,649	27	1,622	1,065	584	0.85	1.5
Type - PWRs	1976	930.7	60.4	2,753	3,165	444	2,721	1,873	1,292	1.15	3.4
Capacity - 781, 781 MWe	1977	1,139.0	72.2	1,860	2,307	348	1,959	1,380	927	1.24	2.0
	1978	1,210.6	77.2	2,203	1,837	530	1,307	1,248	589	0.83	1.5
	1979	343.0	42.3	5,065	3,584	173	3,411	2,975	609	0.71	10.4
	1980	568.2	40.3	5,317	3,836	353	3,483	3,117	719	0.72	6.8
	1981	907.6	59.3	3,753	4,244	428	3,816	3,040	1,204	1.13	4.7
	1982	1,323.3	88.5	1,878	1,490	399	1,091	506	984	0.79	1.1
	1983	916.2	61.3	2,754	3,220	571	2,649	1,786	1,434	1.17	3.5
	1984	1,026.7	71.0	3,198	2,247	536	1,711	1,575	672	0.70	2.2
	1985	1,166.4	78.2	3,206	1,815	509	1,306	1,232	583	0.57	1.6
	1986	1,080.5	69.0	3,763	2,356	430	1,926	1,677	679	0.63	2.2
	1987	1,132.7	72.7	2,675	712	192	520	325	387	0.27	0.6
	1988	750.4	50.0	3,184	1,542	68	1,474	1,117	425	0.48	2.1
	1989	489.3	33.0	3,100	836	27	809	530	306	0.27	1.7
	1990	1,276.4	83.9	1,947	575	53	522	389	186	0.30	0.5
	1991	1,271.9	84.5	1,547	510	45	465	311	199	0.33	0.4
	1992	1,396.3	88.9	1,660	539	108	431	383	156	0.32	0.4
	1993	1,283.1	84.6	1,402	383	72	311	241	142	0.27	0.3
	1994	1,320.9	85.2	1,530	378	66	312	254	124	0.25	0.3
	1995	1,333.0	84.2	1,883	406	60	346	246	160	0.22	0.3

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
SUSQUEHANNA 1,2	1984	719.9	72.6	2,827	308	74	234	127	181	0.11	0.4
Docket 50-387, 50-388; NPF-14; NPF-22	1985	1,452.2	76.4	3,669	1,106	78	1,028	790	316	0.30	0.8
1st commercial operation 6/83, 2/85	1986	1,344.8	67.0	2,996	828	50	778	402	426	0.28	0.6
Type - BWR	1987	1,749.5	85.3	2,548	621	36	585	341	280	0.24	0.4
Capacity - 1040, 1094 MWe	1988	1,691.0	83.5	1,904	516	52	464	281	235	0.27	0.3
	1989	1,572.5	77.1	2,063	704	32	672	332	372	0.34	0.4
	1990	1,746.9	85.4	1,691	440	30	410	179	261	0.26	0.3
	1991	1,878.0	89.8	1,844	507	44	463	251	256	0.27	0.3
	1992	1,604.2	79.7	1,885	724	29	695	356	368	0.38	0.5
	1993	1,602.1	77.3	1,488	335	19	316	172	163	0.23	0.2
	1994	1,814.4	85.4	1,580	442	20	422	246	196	0.28	0.2
	1995	1,850.8	85.3	1,773	476	54	422	176	300	0.27	0.3
THREE MILE ISLAND 1,2	1975	675.9	82.2	131	73			18	55	0.56	0.1
Docket 50-289, -320; DPR-50, -73	1976	530.0	65.4	819	286	23	263	69	217	0.35	0.5
1st commercial operation 9/74, 12/78	1977	664.5	80.9	1,122	360	15	344	128	231	0.32	0.5
Type - PWRs	1978	690.0	85.1	1,929	504	32	472	235	269	0.26	0.7
Capacity - 786, 880 MWe	1979	266.0	21.9	3,975	1,392	197	1,195	907	485	0.35	5.2
	1980	0.0	0.0	2,328	394	29	365	239	155	0.17	---
	1981	0.0	0.0	2,103	376	50	326	190	186	0.18	---
	1982	0.0	0.0	2,123	1,004	62	942	433	571	0.47	---
	1983	0.0	0.0	1,592	1,159	85	1,074	633	526	0.73	---
	1984	0.0	0.0	1,079	688	50	638	330	358	0.64	---
	1985	103.6	10.6	1,890	857	230	627	266	591	0.45	8.3
THREE MILE ISLAND 1 ¹³	1986	585.2	70.9	1,360	213	44	169	89	124	0.16	0.4
Docket 50-289; DPR-50	1987	610.7	73.6	1,259	149	40	109	50	99	0.12	0.2
1st commercial operation 9/74	1988	661.0	77.8	1,012	210	40	170	88	122	0.21	0.3
Type - PWR	1989	871.3	100.0	670	54	22	32	3	51	0.08	0.1
Capacity - 786 MWe	1990	645.5	84.6	1,319	264	53	211	121	143	0.20	0.4
	1991	688.7	86.4	1,542	198	47	151	99	99	0.13	0.3
	1992	836.8	100.0	558	34	15	19	5	29	0.06	0.0
	1993	722.0	88.5	1,835	206	53	153	110	96	0.11	0.3
	1994	798.7	95.5	434	40	19	21	1	39	0.09	0.1
	1995	772.9	90.8	1,220	213	31	182	126	87	0.17	0.3

¹³ Three Mile Island 1 resumed commercial power generation 10/85 after being under regulatory restraint since 1979.

C-33

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
THREE MILE ISLAND 2 ¹⁴	1986	0.0	0.0	1,497	915	97	818	615	300	0.61	---
Docket 50-320; DPR-73	1987	0.0	0.0	1,378	977	90	887	687	290	0.71	---
1st commercial operation 12/78	1988	0.0	0.0	1,247	917	26	891	691	226	0.74	---
Type - PWR	1989	0.0	0.0	1,014	639	88	551	382	257	0.63	---
Capacity - 880 MWe	1990	0.0	0.0	484	136	25	111	50	86	0.28	---
	1991	0.0	0.0	153	37	1	36	3	34	0.24	---
	1992	0.0	0.0	315	157	7	150	99	58	0.50	---
	1993	0.0	0.0	167	33	1	32	19	14	0.20	---
	1994	0.0	0.0	259	7	0	7	2	5	0.03	---
	1995	0.0	0.0	191	2	1	1	0	2	0.01	***
TROJAN ¹⁵	1977	792.0	92.6	591	174	30	144	105	69	0.29	0.2
Docket 50-344; NPF-1	1978	205.5	20.6	711	319	83	236	125	194	0.45	1.6
1st commercial operation 5/76	1979	631.0	58.1	736	258	74	184	113	145	0.35	0.4
Type - PWR	1980	727.5	72.5	1,159	421	77	344	305	116	0.36	0.6
Capacity - 1095 MWe	1981	775.6	74.1	1,311	609	113	496	363	246	0.46	0.8
	1982	579.5	60.8	977	419	76	343	168	251	0.43	0.7
	1983	494.2	62.4	969	307	35	272	129	178	0.32	0.6
	1984	567.0	54.4	1,042	433	41	392	230	203	0.42	0.8
	1985	829.1	76.7	852	363	31	332	210	153	0.43	0.4
	1986	852.4	79.7	1,321	381	46	335	274	107	0.29	0.4
	1987	525.5	54.0	1,209	363	66	297	266	97	0.30	0.7
	1988	758.6	67.5	1,408	401	108	293	311	90	0.28	0.5
	1989	666.8	61.9	1,360	421	37	384	317	104	0.31	0.6
	1990	732.4	66.3	1,169	258	9	249	185	73	0.22	0.4
	1991	181.6	16.1	1,496	567	17	550	475	92	0.38	3.1
	1992	553.9	68.4	567	84	8	76	52	32	0.15	0.2
	1993	0.0	68.4	54	21	3	18	12	9	0.39	---
	1994	0.0	0.0	51	9	2	7	6	3	0.18	---
	1995	0.0	0.0	141	44	***	***	***	***	0.31	***

¹⁴Three Mile Island 2 has been shut down since the 1979 accident, but was still included in the count of reactors through 1988 since dose was still being accumulated to defuel and decontaminate the unit during this time period.

¹⁵Trojan ended commercial operation as of 1/93, and will not be put in commercial operation again. It is no longer included in the count of commercial reactors.

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
TURKEY POINT 3,4 Docket 50-250, 50-251; DPR-31, -41 1st commercial operation 12/72, 9/73 Type - PWRs Capacity - 666, 666 MWe	1973	401.9		444	78					0.18	0.2
	1974	953.6		794	454		366	202	252	0.57	0.5
	1975	1,003.7	74.9	1,176	876	270	606	559	317	0.74	0.9
	1976	974.2	71.2	1,647	1,184	89	1,095	868	316	0.72	1.2
	1977	979.5	72.1	1,319	1,036	94	942	522	514	0.79	1.1
	1978	1,000.2	78.8	1,336	1,032	90	942	546	486	0.77	1.0
	1979	811.0	62.4	2,002	1,680	299	1,381	997	683	0.84	2.1
	1980	990.6	73.6	1,803	1,651	232	1,419	1,218	433	0.92	1.7
	1981	654.0	46.8	2,932	2,251	274	1,977	1,854	397	0.77	3.4
	1982	915.7	65.2	2,956	2,119	197	1,922	1,656	463	0.72	2.3
	1983	878.4	62.8	2,930	2,681	272	2,409	2,119	562	0.92	3.1
	1984	946.7	68.5	2,010	1,255	217	1,038	876	379	0.62	1.3
	1985	1,034.9	74.7	1,905	1,253	91	1,162	817	436	0.66	1.2
	1986	754.1	54.9	1,808	946	71	875	716	230	0.52	1.3
	1987	431.3	36.6	1,980	1,371	79	1,292	987	384	0.69	3.2
	1988	809.8	59.5	1,841	738	18	720	523	215	0.40	0.9
	1989	689.9	56.8	1,625	433	25	408	281	152	0.27	0.6
	1990	933.1	69.0	2,099	730	140	590	475	255	0.35	0.8
	1991	258.2	21.0	2,087	939	105	834	685	254	0.45	3.6
	1992	968.9	75.5	1,374	325	32	293	173	152	0.24	0.3
1993	1,244.8	91.0	1,271	275	6	269	164	111	0.22	0.2	
1994	1,172.9	87.2	1,489	476	0	476	231	245	0.32	0.4	
1995	1,320.3	94.6	1,142	215	0	215	102	113	0.19	0.2	
VERMONT YANKEE Docket 50-271; DPR-28 1st commercial operation 11/72 Type - BWR Capacity - 504 MWe	1973	222.1		244	85					0.35	0.4
	1974	303.5		357	216	24	192	103	113	0.61	0.7
	1975	429.0	87.8	282	153	70	83	63	90	0.54	0.4
	1976	389.6	77.1	815	411	36	375	246	165	0.50	1.1
	1977	423.5	85.1	641	258	83	175	90	168	0.40	0.6
	1978	387.5	75.9	934	339	78	261	158	181	0.36	0.9
	1979	414.0	82.1	1,220	1,170	546	624	642	528	0.96	2.8
	1980	357.8	71.5	1,443	1,338	141	1,197	926	412	0.93	3.7
	1981	429.1	84.6	1,264	731	121	610	408	323	0.58	1.7
	1982	501.0	96.0	481	205	60	145	80	125	0.43	0.4
	1983	346.1	69.3	1,316	1,527	215	1,312	787	740	1.16	4.4
	1984	398.1	79.0	954	626	83	543	318	308	0.66	1.6
	1985	361.4	71.8	1,392	1,051	163	888	898	153	0.76	2.9
	1986	248.1	48.9	1,389	1,188	44	1,144	1,091	97	0.86	4.8
	1987	423.6	84.2	827	303	37	266	226	77	0.37	0.7
	1988	492.1	95.7	379	124	27	97	67	57	0.33	0.3
1989	432.8	84.7	832	288	43	245	220	68	0.35	0.7	
1990	433.1	85.9	849	307	37	270	236	71	0.36	0.7	
1991	492.3	94.3	310	118	19	99	66	52	0.38	0.2	

C-35

NUREG-0713

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
VERMONT YANKEE (continued)	1992	446.8	88.1	921	381	58	323	319	62	0.41	0.9
	1993	402.3	80.1	833	217	41	176	166	51	0.26	0.5
	1994	515.8	98.7	220	38	24	14	18	20	0.17	0.1
	1995	462.1	87.0	737	182	47	135	151	31	0.25	0.4
VOGTLE 1,2	1988	820.4	77.7	1,108	138	13	125	107	31	0.12	0.2
Docket 50-424, 50-425; NPF-68, -81	1989	1,045.8	96.0	427	32	7	25	14	18	0.07	0.0
1st commercial operation 6/87, 5/89	1990	1,710.9	82.7	1,602	466	89	377	323	143	0.29	0.3
Type - PWRs	1991	1,966.5	89.2	1,357	362	50	312	296	66	0.27	0.2
Capacity - 1169, 1169 MWe	1992	2,047.9	90.0	1,262	426	51	375	310	116	0.34	0.2
	1993	2,060.4	88.3	1,338	367	34	333	251	116	0.27	0.2
	1994	2,170.1	91.3	1,048	217	8	209	120	97	0.21	0.1
	1995	2,285.4	95.2	953	199	13	186	94	105	0.21	0.1
WASHINGTON NUCLEAR 2	1985	616.0	87.6	755	119	42	77	42	77	0.16	0.2
Docket 50-397; NPF-21	1986	616.0	74.4	1,013	222	56	166	70	152	0.22	0.4
1st commercial operation 12/84	1987	639.0	70.8	1,201	406	95	311	143	263	0.34	0.6
Type - BWR	1988	707.7	71.8	1,050	353	81	272	93	260	0.34	0.5
Capacity - 1086 MWe	1989	727.2	78.3	1,299	492	161	331	216	276	0.38	0.7
	1990	684.7	67.5	1,348	536	121	415	209	327	0.40	0.8
	1991	508.5	50.3	1,088	387	88	299	143	244	0.36	0.8
	1992	682.3	65.6	1,489	612	11	601	307	305	0.41	0.9
	1993	849.6	79.5	1,385	469	1	468	207	262	0.34	0.6
	1994	803.8	75.2	1,870	866	108	758	468	398	0.46	1.1
	1995	824.7	83.8	1,694	456	91	365	219	237	0.27	0.6
WATERFORD 3	1986	875.7	79.1	1,244	223	62	161	178	45	0.18	0.3
Docket 50-382; NPF-38	1987	891.8	82.5	959	156	33	123	106	50	0.16	0.2
1st commercial operation 9/85	1988	784.3	75.4	1,246	259	79	180	207	52	0.21	0.3
Type - PWR	1989	909.8	82.6	1,306	265	70	195	231	34	0.20	0.3
Capacity - 1075 MWe	1990	1,027.9	92.8	432	47	0	47	24	23	0.11	0.0
	1991	870.6	79.8	1,301	364	101	263	307	57	0.28	0.4
	1992	909.6	83.2	1,213	226	52	174	177	49	0.19	0.2
	1993	1,088.3	99.4	195	15	3	12	5	10	0.08	0.0
	1994	949.1	87.0	1,167	191	47	144	143	48	0.16	0.2
	1995	927.4	83.4	1,092	153	2	151	93	60	0.14	0.2

APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
WOLF CREEK 1	1986	832.8	73.3	682	143	27	116	78	65	0.21	0.2
Docket 50-482; NPF-42	1987	778.8	71.1	675	138	26	112	82	56	0.20	0.2
1st commercial operation 9/85	1988	794.7	70.7	1,010	297	62	235	177	120	0.29	0.4
Type - PWR	1989	1,108.4	99.5	186	18	4	14	8	10	0.10	0.0
Capacity - 1160 MWe	1990	940.2	81.0	798	195	29	166	130	65	0.24	0.2
	1991	707.6	71.9	1,010	331	37	294	244	87	0.33	0.5
	1992	1,010.8	86.7	446	78	17	61	42	36	0.17	0.1
	1993	940.5	80.6	975	183	31	152	117	66	0.19	0.2
	1994	1,017.2	86.8	1,082	235	36	199	170	65	0.22	0.2
	1995	1,198.0	98.7	242	14	5	9	2	12	0.06	0.0
C-37 YANKEE ROWE ¹⁶	1969	138.3		193	215	83	132	78	133	1.11	1.6
Docket 50-29; DPR-3	1970	146.1		355	255	90	165	158	97	0.72	1.7
1st commercial operation 7/61	1971	173.5		155	90	46	44	19	71	0.58	0.5
Type - PWR	1972	78.7		282	255	63	192	146	109	0.90	3.2
Capacity - 167 MWe	1973	127.1		133	99			47	52	0.74	0.8
	1974	111.3		243	205			99	106	0.84	1.8
	1975	145.1	82.4	249	116	52	64	66	50	0.47	0.8
	1976	152.2	89.8	152	59	17	42	4	55	0.39	0.4
	1977	124.6	73.9	725	356	28	328	174	182	0.49	2.9
	1978	145.0	81.0	565	282	24	258	95	187	0.50	1.9
	1979	149.0	81.6	441	127	16	111	52	75	0.29	0.9
	1980	35.6	22.0	502	213	6	207	90	123	0.42	6.0
	1981	109.0	74.4	515	302	8	294	136	166	0.59	2.8
	1982	108.6	73.4	814	474	7	467	215	259	0.58	4.4
	1983	163.5	91.4	395	68	18	50	7	61	0.17	0.4
	1984	124.8	71.4	654	348	15	333	141	207	0.53	2.8
	1985	144.3	85.3	653	211	17	194	81	130	0.32	1.5
	1986	169.7	95.0	384	45	20	25	2	43	0.12	0.3
	1987	138.7	82.7	593	217	37	180	126	91	0.37	1.6
	1988	136.4	85.2	738	227	35	192	148	79	0.31	1.7
	1989	159.4	92.9	496	62	20	42	19	43	0.12	0.4
	1990	101.1	61.5	702	246	32	214	170	76	0.35	2.4
	1991	121.2	72.3	162	40	11	29	16	24	0.25	0.3
	1992	0.0	0.0	324	94	10	84	59	35	0.29	---
	1993	0.0	0.0	313	163	8	155	153	10	0.52	---
	1994	0.0	0.0	222	156	4	152	137	19	0.70	---
	1995	0.0	0.0	0	0	0	0	0	0	0.00	***

¹⁶Yankee Rowe ended commercial operation as of 10/91, and will not be put in commercial operation again. It is no longer included in the count of commercial reactors.

NUREG-0713

**APPENDIX C (continued)
PERSONNEL, DOSE AND POWER GENERATION SUMMARY**

Reporting Organization	Year	Megawatt Years MW-YR	Unit Availability Factor	Total Personnel With Measurable Doses	Person-cSv (-rems)					Average Measurable Dose (cSv or rems)	Person cSv (-rems) MW-yr
					Collective Dose	Per Work Function		Per Personnel Type			
						Opera- tions	Maint & Others	Con- tractor	Station & Utility		
ZION 1,2	1974	425.3	71.1	306	56			13	43	0.18	0.1
Docket 50-295, 50-304; DPR-39, -48	1975	1,181.5	74.9	436	127	17	110	49	78	0.29	0.1
1st commercial operation 12/73, 9/74	1976	1,134.9	61.9	774	571	64	507	257	314	0.74	0.5
Type - PWRs	1977	1,358.6	75.0	784	1,003	43	960	561	442	1.28	0.7
Capacity - 1040, 1040 MWe	1978	1,613.5	80.2	1,104	1,017	294	723	418	1,017	0.92	0.6
	1979	1,238.0	67.6	1,472	1,274	168	1,106	747	527	0.87	1.0
	1980	1,411.2	74.1	1,363	920	107	813	560	360	0.67	0.7
	1981	1,366.9	72.3	1,754	1,720	50	1,670	1,155	565	0.98	1.3
	1982	1,186.4	64.3	1,575	2,103	42	2,061	1,688	415	1.34	1.8
	1983	1,222.3	69.4	1,285	1,311	118	1,193	905	406	1.02	1.1
	1984	1,389.9	69.6	1,110	786	23	763	556	230	0.71	0.6
	1985	1,187.9	62.9	1,498	1,166	39	1,127	787	379	0.78	1.0
	1986	1,462.0	73.2	967	474	21	453	330	144	0.49	0.3
	1987	1,337.0	71.0	1,046	653	38	615	432	221	0.62	0.5
	1988	1,549.1	78.3	1,926	1,260	38	1,222	1,045	215	0.65	0.8
	1989	1,514.1	77.6	1,282	624	21	603	392	232	0.49	0.4
	1990	860.4	46.9	1,385	696	19	677	492	204	0.50	0.8
	1991	1,125.7	58.2	902	173	26	147	90	83	0.19	0.2
	1992	1,128.8	59.0	1,732	1,043	19	1,024	783	260	0.60	0.9
	1993	1,458.2	70.9	1,772	643	15	628	461	182	0.36	0.4
	1994	1,224.9	59.9	1,176	306	14	292	176	130	0.26	0.2
	1995	1,471.6	72.4	1,807	797	8	789	590	207	0.44	0.5