



INFORMATION SYSTEM ON OCCUPATIONAL EXPOSURE

General Distribution

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ISOE Information Sheet

**North American Technical Center
Information System on Occupational Exposure**

**North American Pressurized Water Reactor (PWR)
2007 Occupational Dose Benchmarking Charts**

NATC ISOE Information Sheet No. 07-4

NATC ISOE Information Sheet No. 07-4 presents the North American Pressurized Water Reactor (BWR) occupational exposure results for FY 2007. Exposure categories per unit include refueling outage duration and dose, normal operations dose, and total dose.

The 2007 PWR charts are arranged in the following format:

Table 1a-d: Outage Duration Quartiles

Table 2a-d : Outage Dose Quartiles

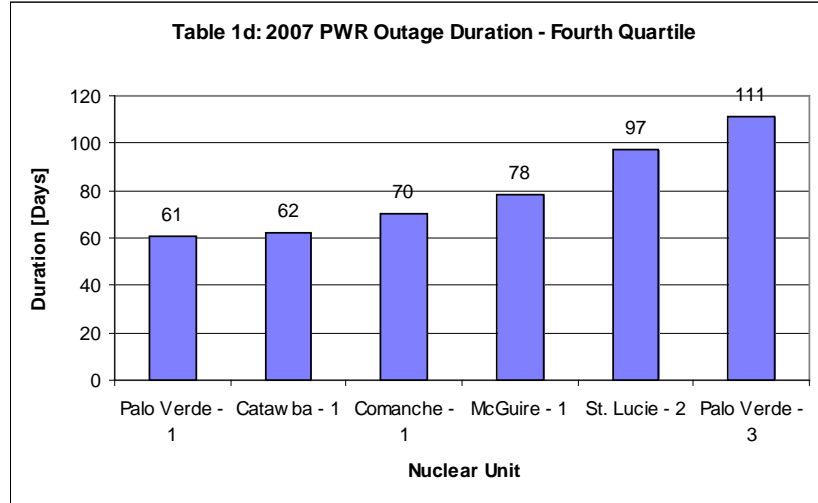
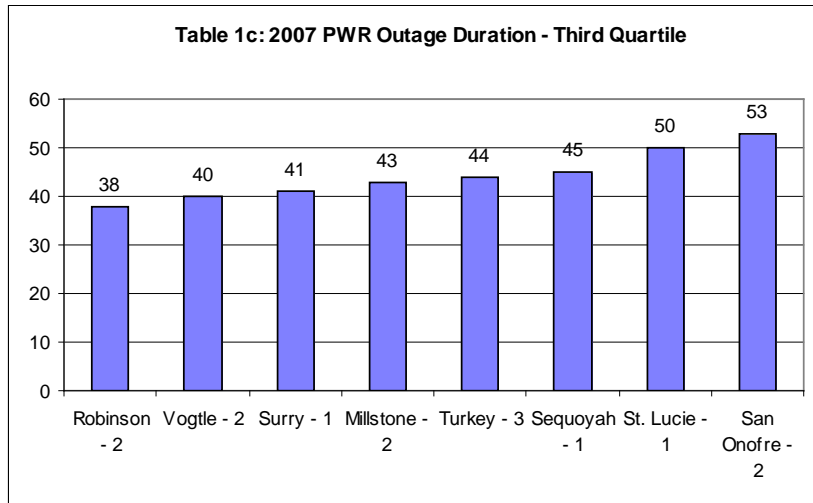
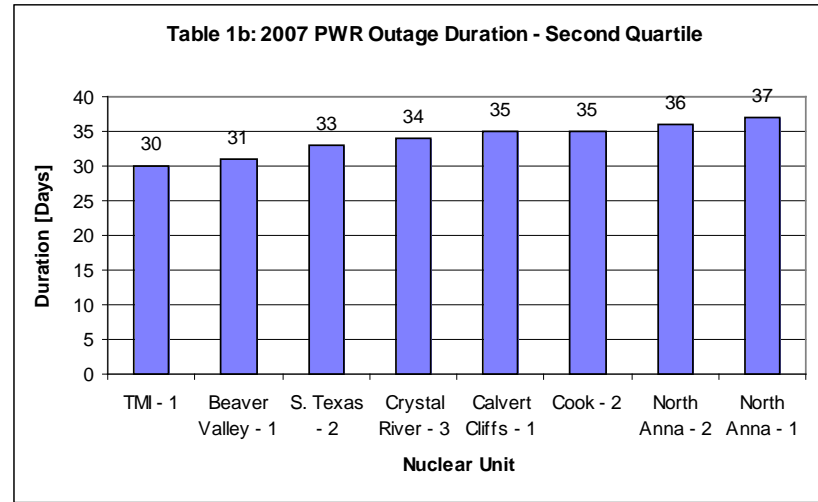
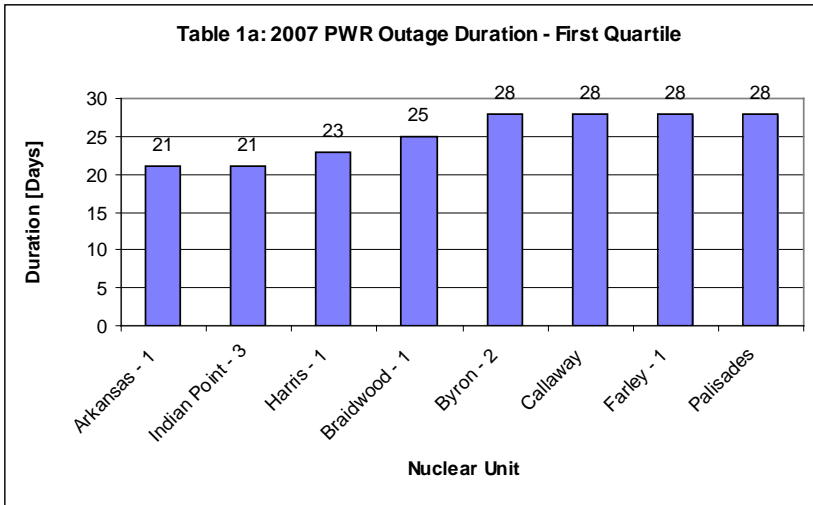
Table 3a-d : Normal Operation Dose Quartiles

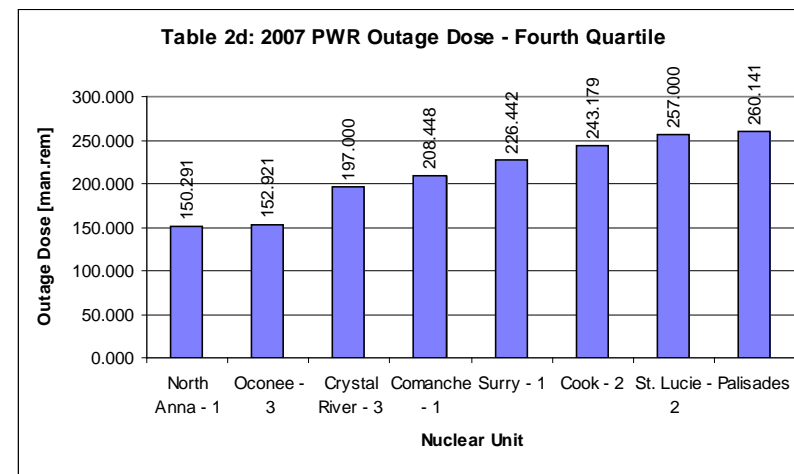
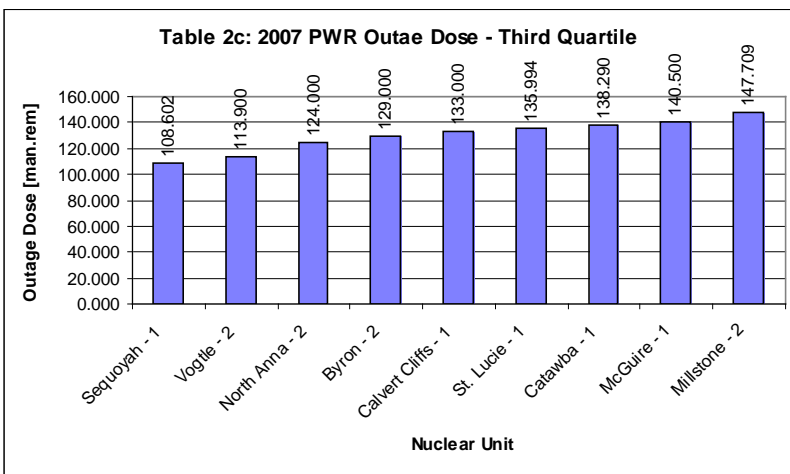
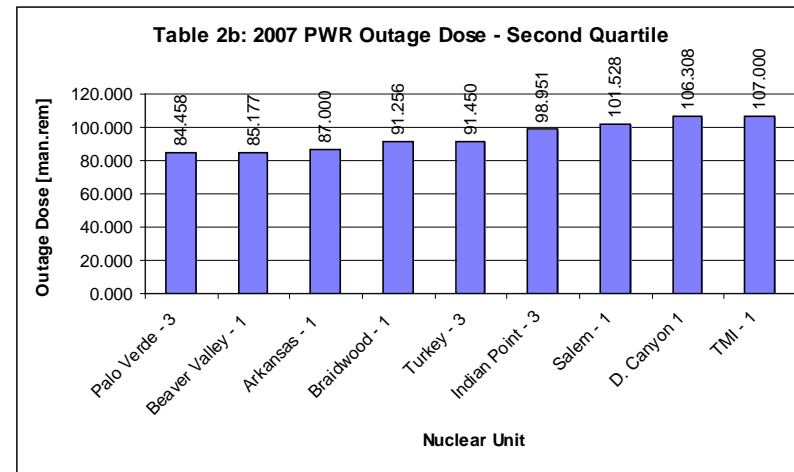
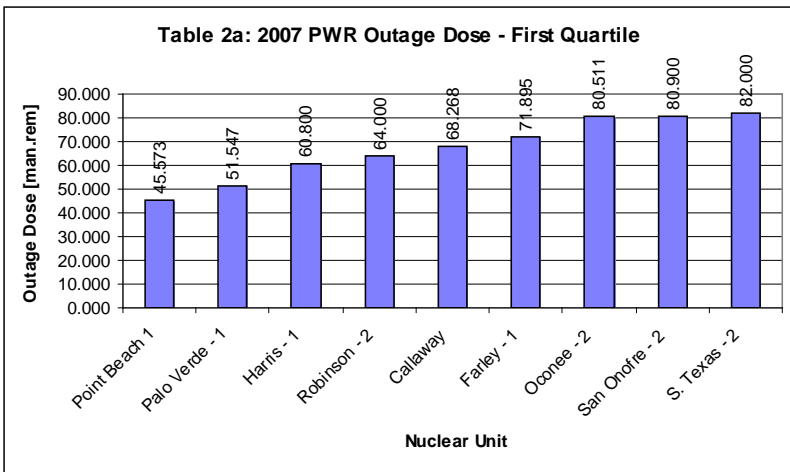
Table 4a-d : Total Dose Quartiles

Table 5: 2007 PWR Occupation Dose Data

For reference, selected data for 2007 PWR collective dose per reactor unit is provided in the table below:

Country	Collective Dose per Reactor (man.Sv)
United States	0.69
France	0.63
Japan	1.35





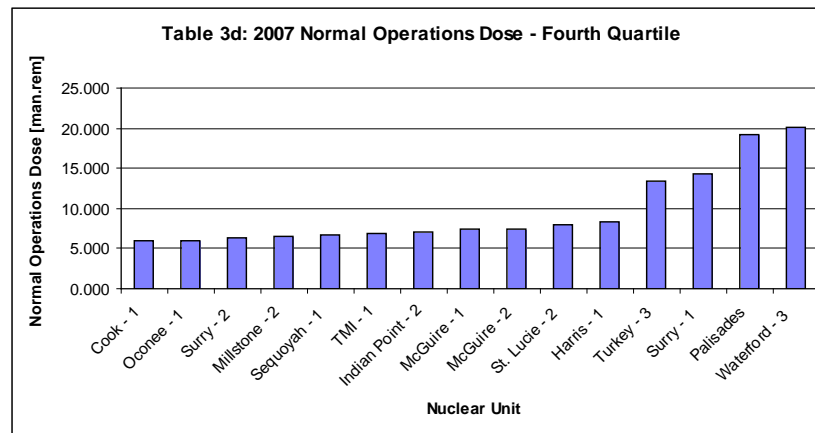
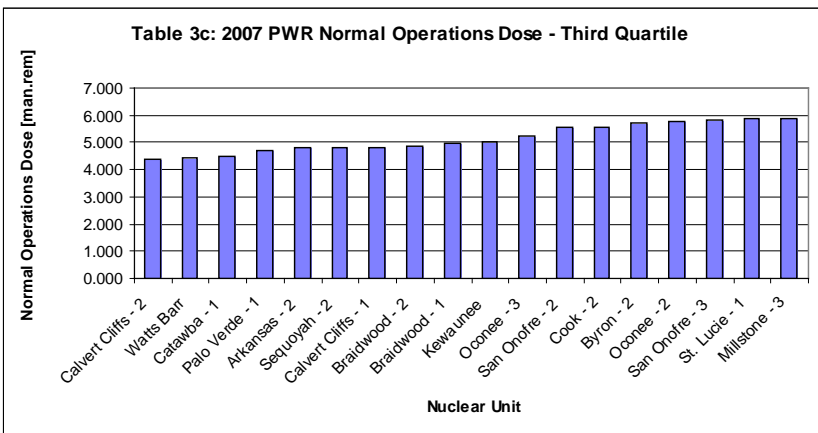
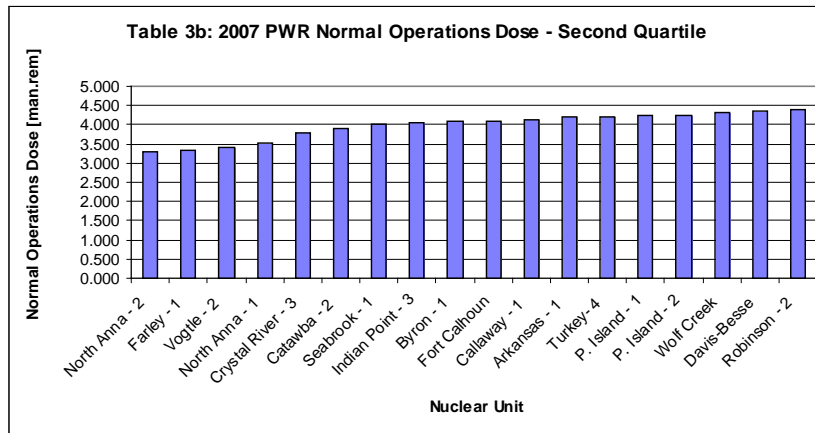
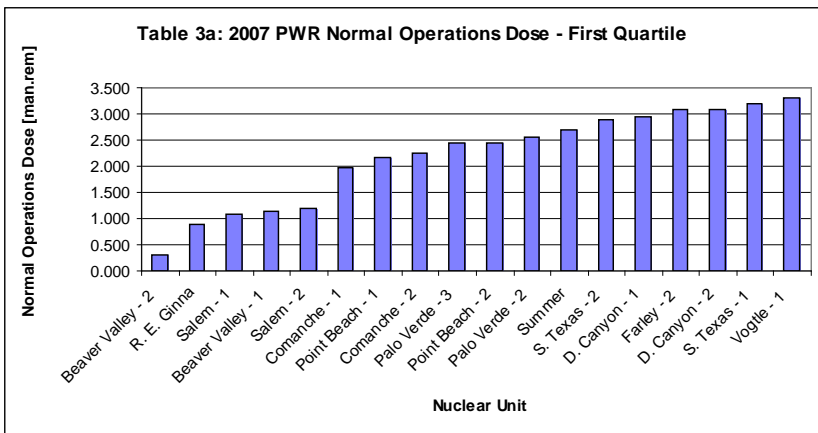


Table 4a: 2007 PWR Total Dose - First Quartile

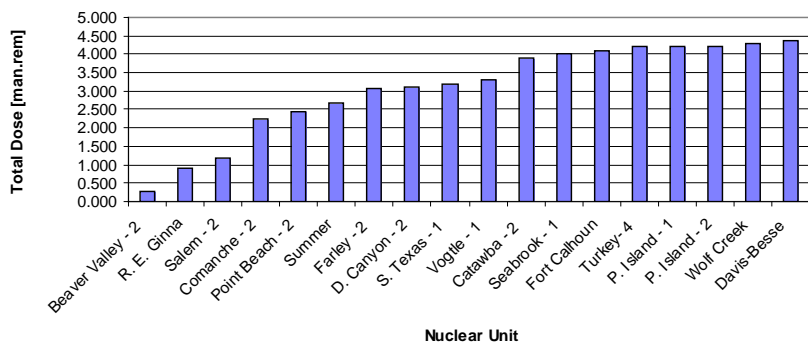


Table 4b: 2007 PWR Total Dose - Second Quartile

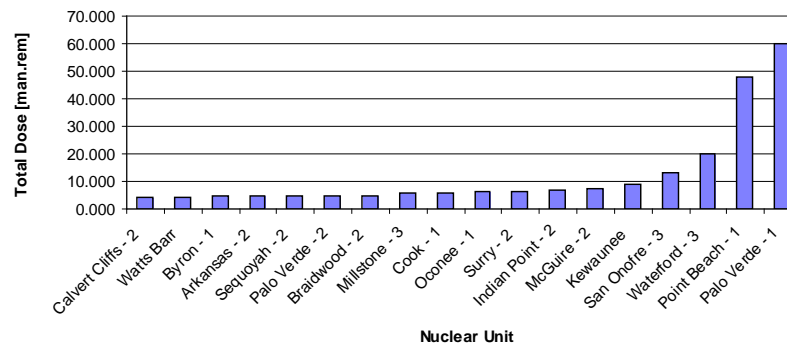


Table 4c: 2007 PWR Total Dose - Third Quartile

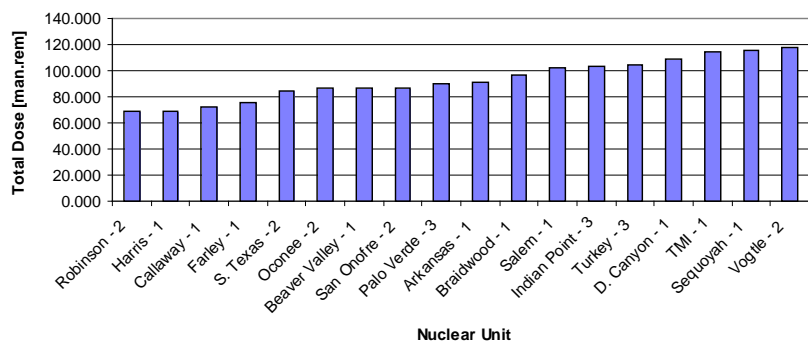


Table 4d: 2007 PWR Total Dose - Fourth Quartile

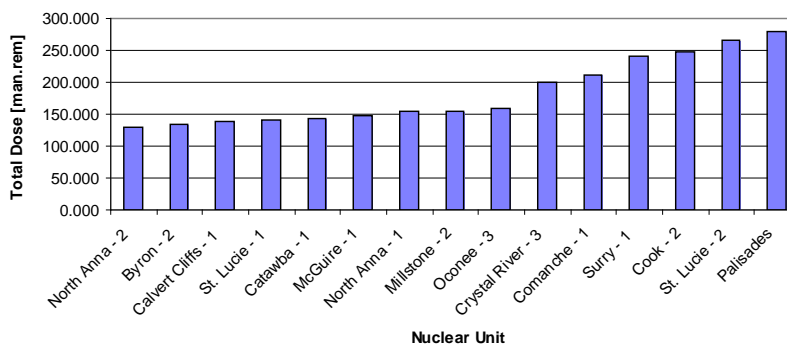


Table 5: 2007 PWR Occupation Dose Data

Nuclear Unit	Outage Start Date	Outage End Date	Outage Duration	Outage Dose	Normal Operation	Other Shutdowns	Total Dose	TEDE Total Site Dose
Arkansas - 1	4/24/2007	5/15/2007	21	87.000	4.200		91.200	
Arkansas - 2					4.800		4.800	105.310
Beaver Valley - 1	9/24/2007	10/25/2007	31	85.177	1.126		86.303	
Beaver Valley - 2					0.292		0.292	86.595
Braidwood - 1	10/1/2007	10/26/2007	25	91.256	4.948	0.348	96.552	
Braidwood - 2					4.848		4.848	98.040
Byron - 1					4.073	0.548	4.621	
Byron - 2	4/2/2007	4/30/2007	28	129.000	5.700	0.258	134.958	128.797
Callaway - 1	4/2/2007	4/30/2007	28	68.268	4.119		72.387	73.236
Calvert Cliffs - 1	2/26/2007	4/2/2007	35	133.000	4.813		137.813	
Calvert Cliffs - 2					4.408		4.408	153.335
Catawba - 1	9/15/2007	11/16/2007	62	138.290	4.509		142.799	
Catawba - 2					3.903		3.903	144.218
Comanche - 1	2/24/2007	5/5/2007	70	208.448	1.983		210.431	
Comanche - 2					2.252		2.252	219.799
Cook - 1					5.960		5.960	
Cook - 2	9/15/2007	10/19/2007	35	243.179	5.540		248.719	238.829
Crystal River - 3	11/3/2007	12/7/2007	34	197.000	3.800		200.800	184.554
D. Canyon - 1				106.308	2.942		109.250	
D. Canyon - 2					3.091		3.091	111.866
Davis-Besse					4.351		4.351	7.008
Farley - 1	4/7/2007	5/5/2007	28	71.895	3.334		75.229	
Farley - 2					3.070		3.070	139.716
Fort Calhoun					4.100		4.100	3.990

Nuclear Unit	Outage Start Date	Outage End Date	Outage Duration	Outage Dose	Normal Operation	Other Shutdowns	Total Dose	TEDE Total Site Dose
Harris - 1	9/29/2007	10/22/2007	23	60.800	8.400		69.200	64.808
Indian Point - 2					7.006		7.006	7.009
Indian Point - 3	3/20/2007	4/10/2007	21	98.951	4.058		103.009	102.960
Kewaunee					5.000	4.000	9.000	11.126
Maine Yankee							0.000	
McGuire - 1	3/17/2007	6/3/2007	78	140.500	7.500		148.000	
McGuire - 2					7.500		7.500	156.035
Millstone - 2	4/7/2007	5/20/2007	43	147.709	6.464		154.173	
Millstone - 3					5.900		5.900	163.780
North Anna - 1	3/18/2007	4/24/2007	37	150.291	3.537		153.828	
North Anna - 2	9/9/2007	10/15/2007	36	124.000	3.304	1.647	128.951	309.237
Oconee - 1					6.053		6.053	
Oconee - 2				80.511	5.778		86.289	
Oconee - 3				152.921	5.242		158.163	252.936
P. Island - 1					4.225		4.225	
P. Island - 2					4.225		4.225	6.276
Palisades	9/7/2007	10/5/2007	28	260.141	19.200		279.341	
Palo Verde - 1	5/1/2007	7/1/2007	61	51.547	4.720	3.880	60.147	
Palo Verde - 2	12/31/2007	12/31/2007			2.553	2.277	4.830	
Palo Verde - 3	9/25/2007	1/14/2008	111	84.458	2.440	2.805	89.703	148.660
Point Beach - 1				45.573	2.177		47.750	
Point Beach - 2					2.443		2.443	52.023
R. E. Ginna					0.900		0.900	4.412

Nuclear Unit	Outage Start Date	Outage End Date	Outage Duration	Outage Dose	Normal Operation	Other Shutdowns	Total Dose	TEDE Total Site Dose
R. E. Ginna					0.900		0.900	4.412
Robinson - 2	4/7/2007	5/15/2007	38	64.000	4.388		68.388	80.752
S. Texas - 1					3.200		3.200	
S. Texas - 2			33	82.000	2.900		84.900	91.613
Salem - 1	3/27/2007			101.528	1.097		102.625	
Salem - 2					1.183		1.183	117.604
San Onofre - 2	11/26/2007	1/18/2008	53	80.900	5.538		86.438	
San Onofre - 3					5.813	7.500	13.313	91.545
Seabrook - 1					4.004		4.004	4.332
Sequoyah - 1	9/30/2007	11/14/2007	45	108.602	6.736		115.338	
Sequoyah - 2					4.800		4.800	
St. Lucie - 1	4/1/2007	5/21/2007	50	135.994	5.859		141.853	123.540
St. Lucie - 2	10/31/2007	2/5/2008	97	257.000	7.934		264.934	
Summer					2.688		2.688	409.958
Surry - 1	10/21/2007	12/1/2007	41	226.442	14.362	0.117	240.921	2.691
Surry - 2					6.268		6.268	
TMI - 1	10/22/2007	11/21/2007	30	107.000	6.900		113.900	207.130
Turkey - 3	9/3/2007	10/17/2007	44	91.450	13.323		104.773	114.203
Turkey- 4					4.214		4.214	
Vogtle - 1					3.3		3.300	107.601
Vogtle - 2	3/18/2007	4/27/2007	40	113.900	3.400		117.300	
Waterford - 3					20.125		20.125	120.515
Watts Barr					4.453		4.453	20.125
Wolf Creek					4.311		4.311	4.414

Note: All doses listed in man.rem