

OECD Nuclear Energy Agency
International Atomic Energy Agency



INFORMATION SYSTEM ON OCCUPATIONAL EXPOSURE

General Distribution

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ISOE Information Sheet

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

2011 Occupational Dose Benchmarking Charts

NATC ISOE Information Sheet No. 11-5

NATC ISOE Information Sheet 11-5 presents the occupational exposure data for BWR's in the United States in 2011. All dose figures have been normalized to the NRC total site values.

The informational charts are arranged in the following order:

Table 1: 2011 BWR Outage Duration Quartiles

Table 2: 2011 BWR Outage Dose Quartiles

Table 3: 2011 BWR Normal Ops. Dose Quartiles

Table 4: 2011 BWR Total Dose Quartiles

Table 5: 2011 BWR Occupational Exposure Data

Table 1: 2011 BWR Outage Duration Quartiles

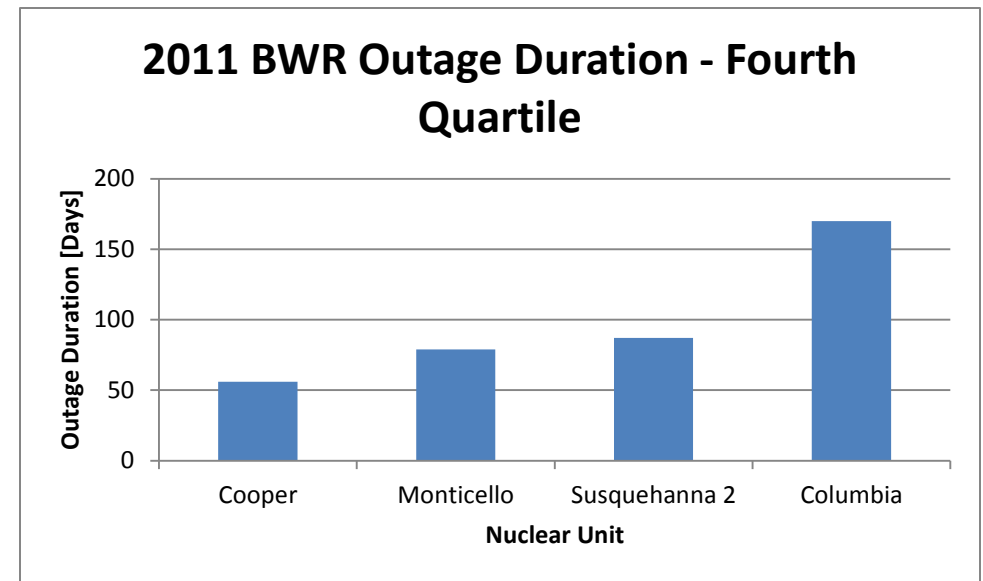
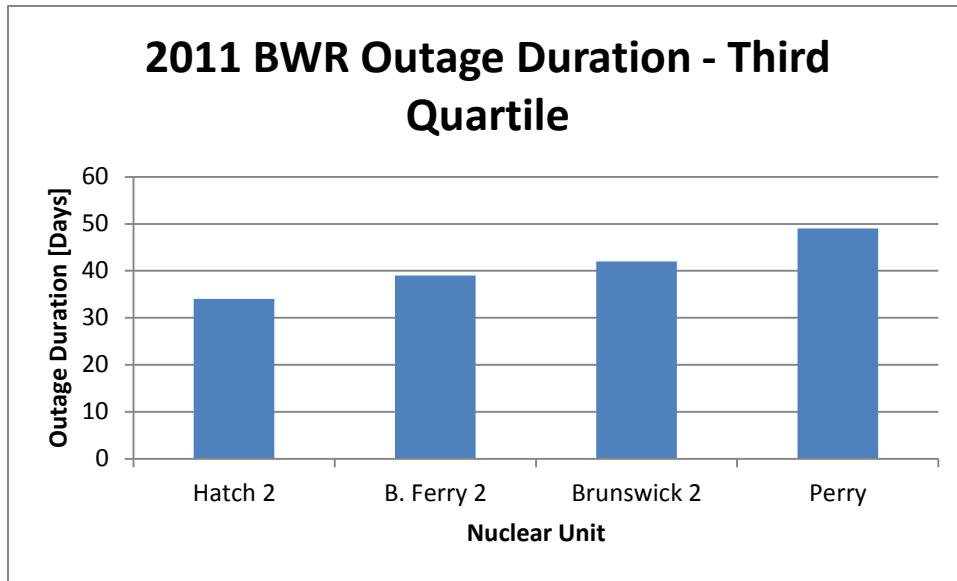
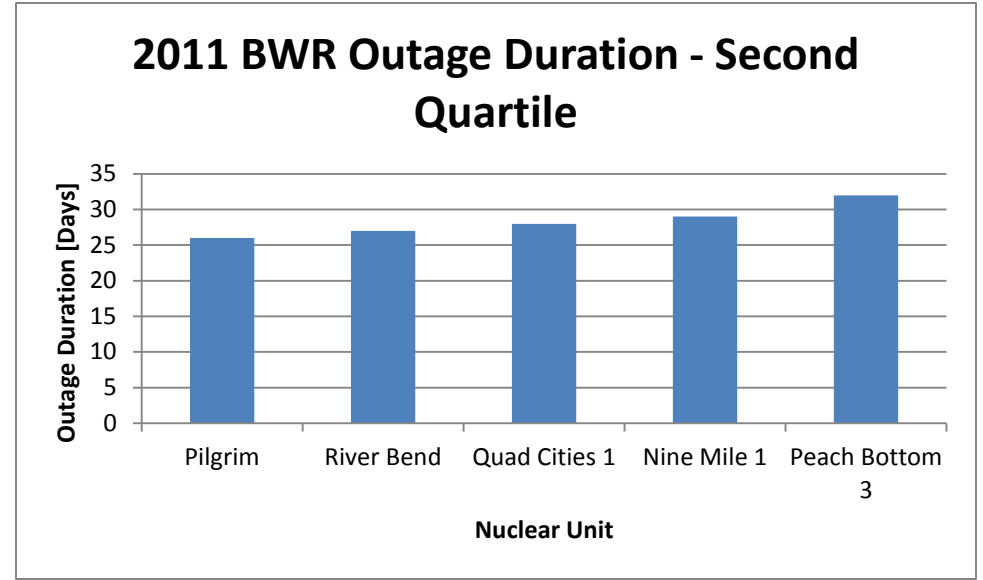
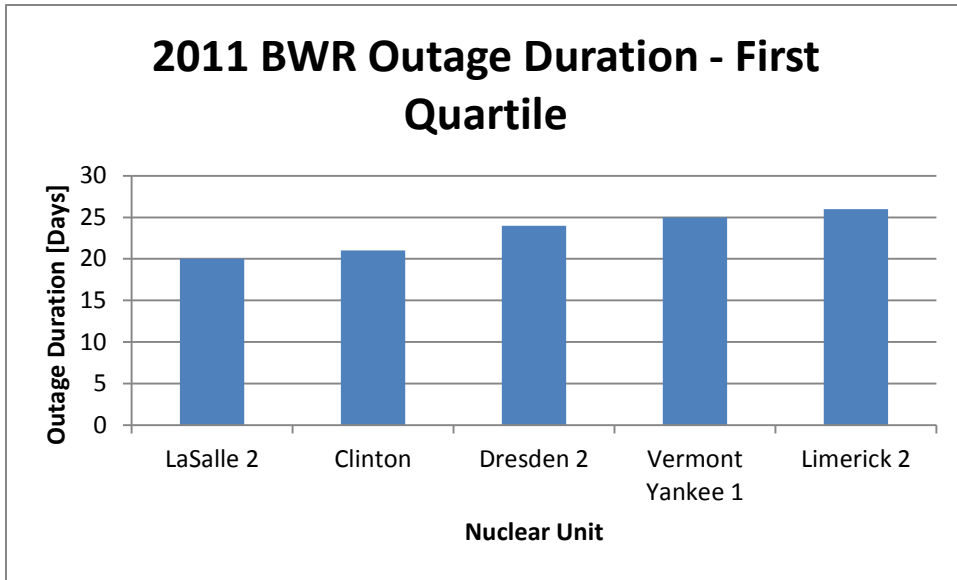
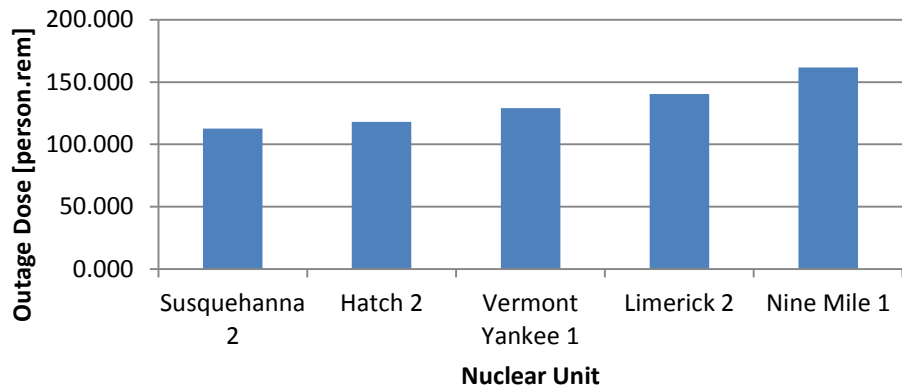
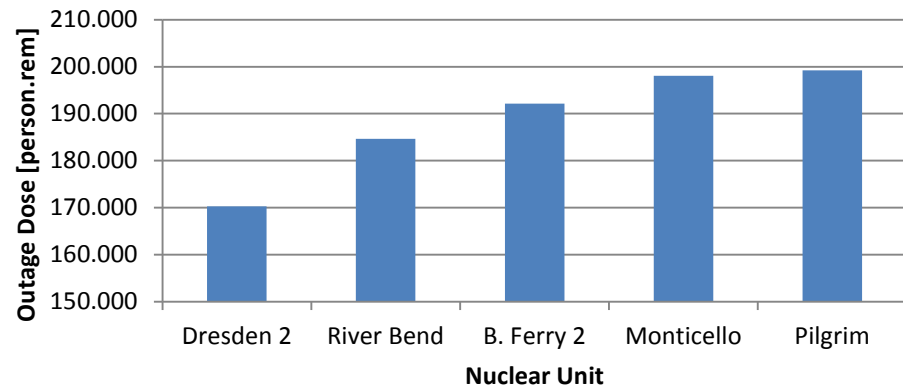


Table 2: 2011 BWR Outage Dose Quartiles

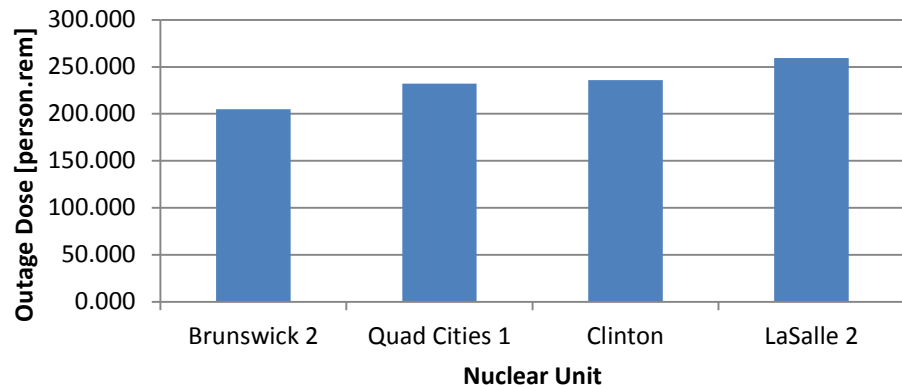
2011 BWR Outage Dose - First Quartile



2011 BWR Outage Dose - Second Quartile



2011 BWR Outage Dose - Third Quartile



2011 BWR Outage Dose - Fourth Quartile

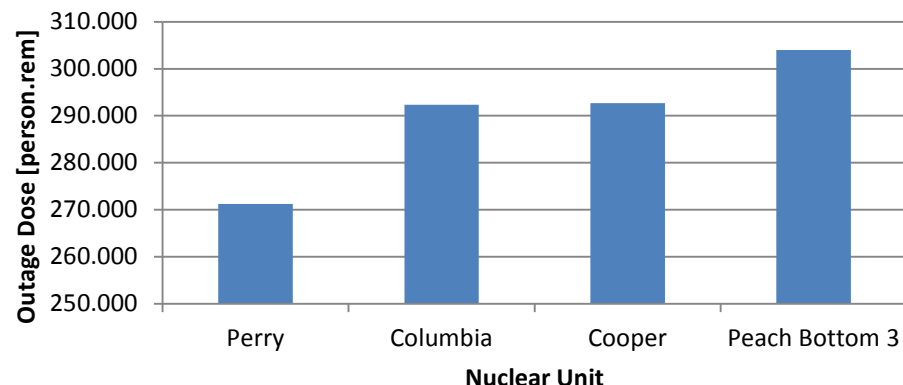


Table 3: 2011 BWR Normal Ops. Dose Quartiles

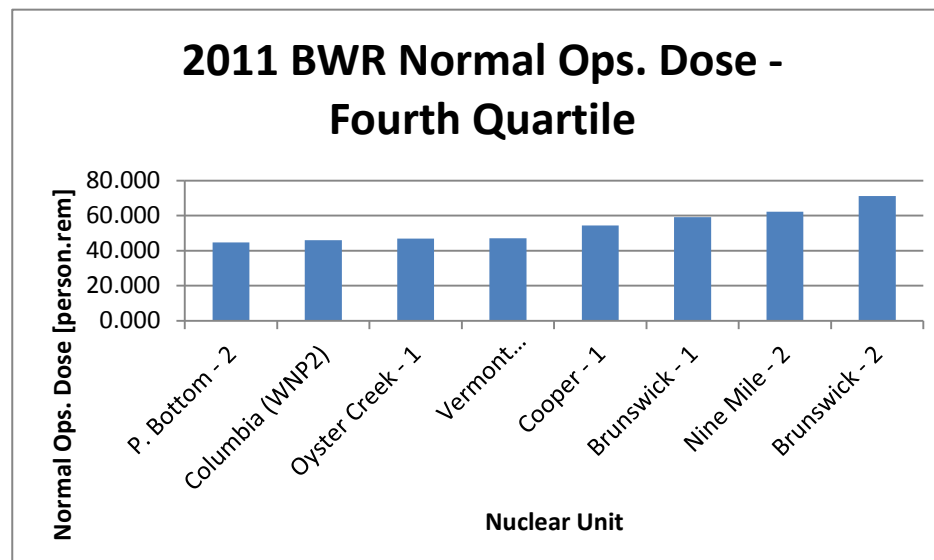
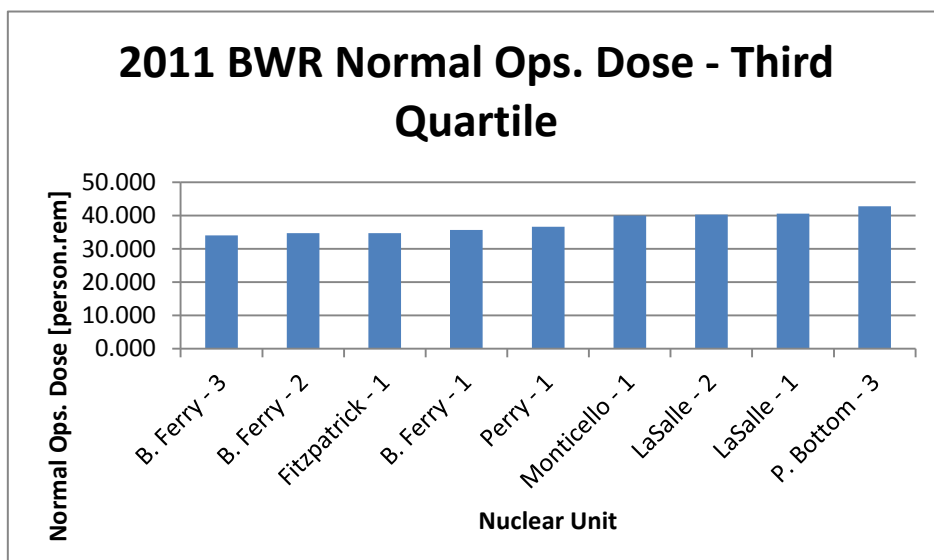
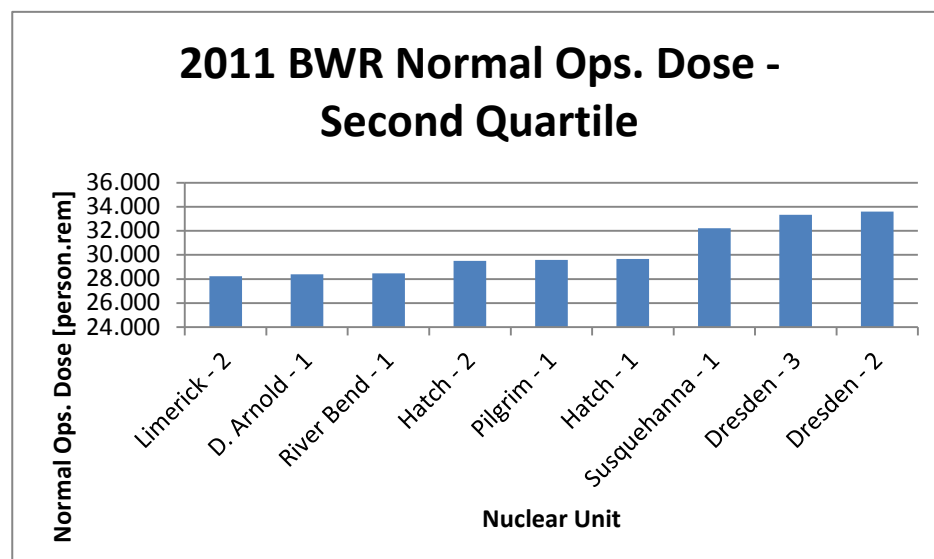
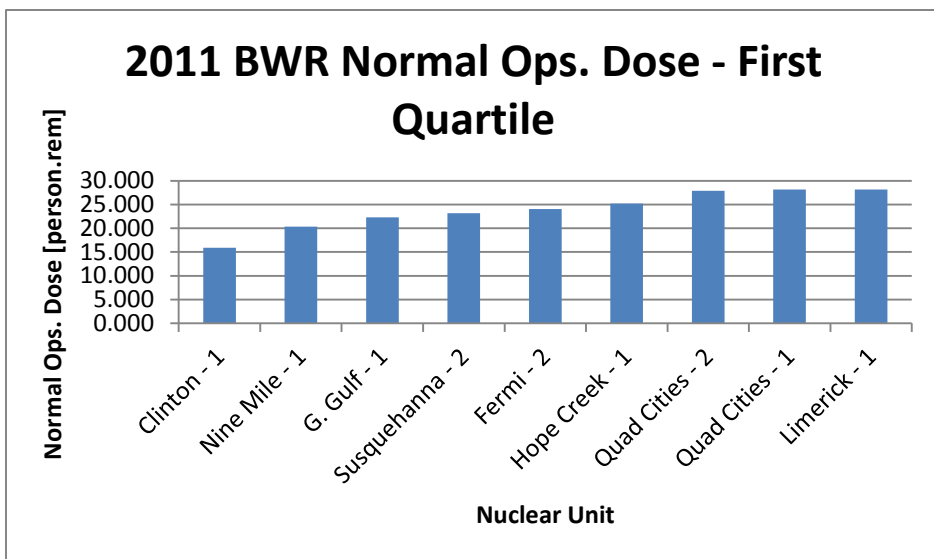


Table 4: 2011 BWR Total Dose Quartiles

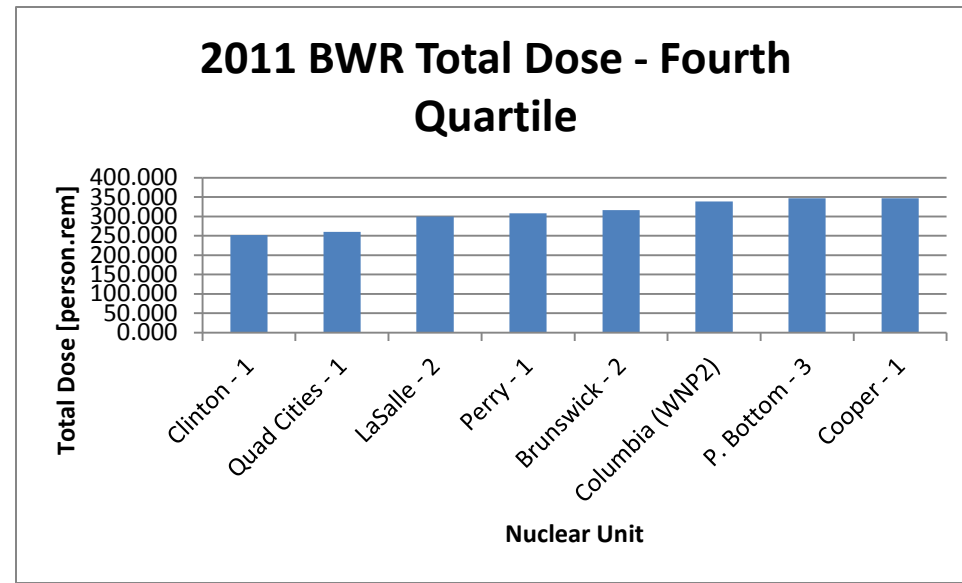
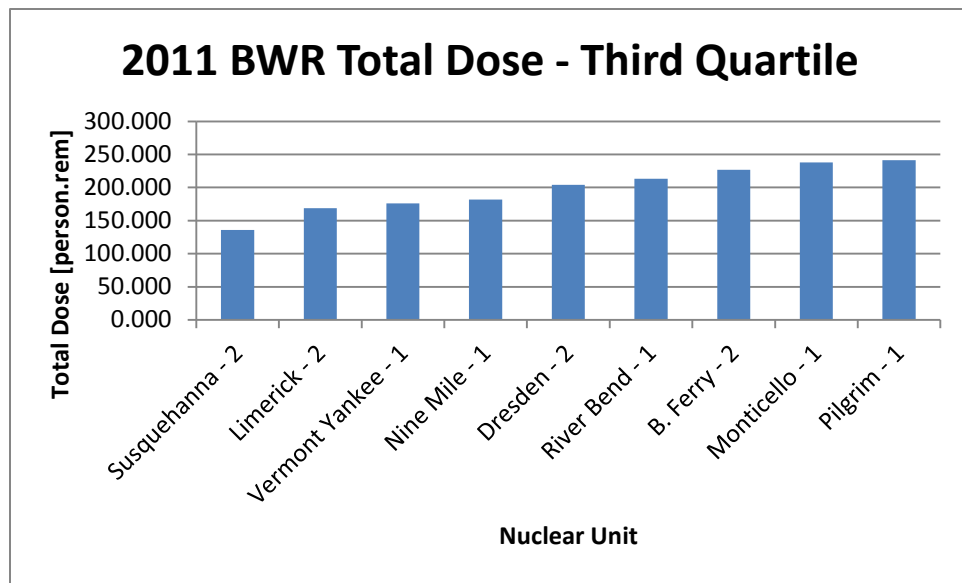
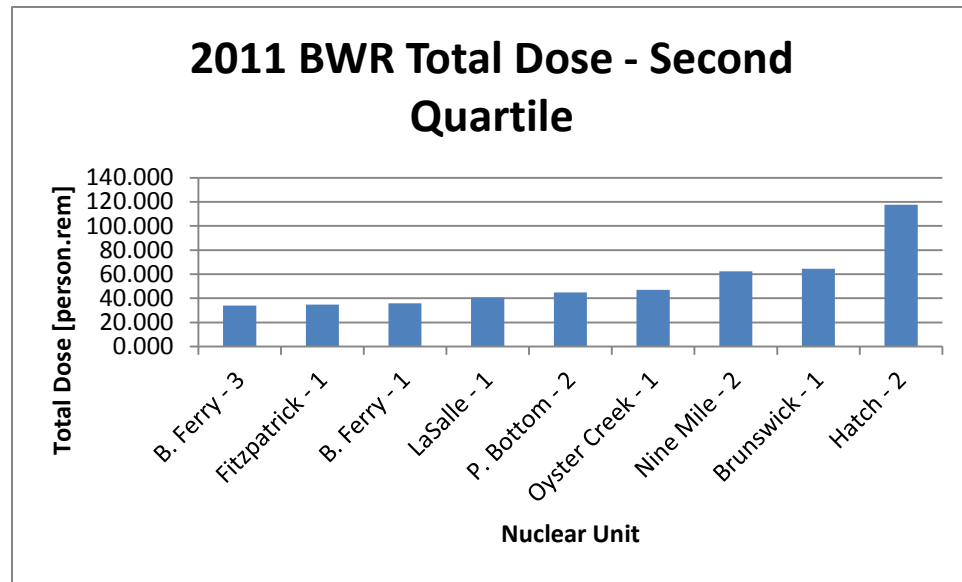
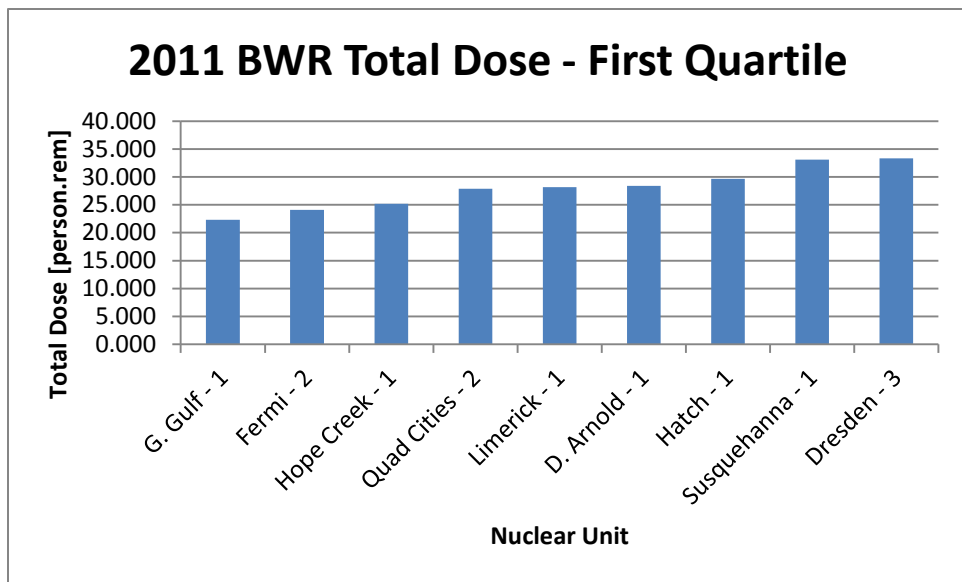


Table 5: 2011 BWR Occupational Exposure Data

Nuclear Unit	Outage Start Date	Outage End Date	Outage Duration	Outage Dose	Normal Ops Dose	Other Shutdowns	Total Unit Dose	Total Site Dose	NRC
B. Ferry - 1					35.676		35.676		
B. Ferry - 2	2/26/2011	4/5/2011	39	192.121	34.712		226.833		
B. Ferry - 3					33.994		33.994	296.503	296.642
Brunswick - 1					59.210	5.373	64.583		
Brunswick - 2	3/4/2011	4/16/2011	42	204.752	71.260	40.200	316.212	380.795	381.057
Clinton - 1	11/30/2011	12/20/2011	21	235.870	15.912		251.781	251.781	228.447
Columbia (WNP2)	4/3/2011	9/19/2011	170	292.325	46.076		338.401	338.401	335.657
Cooper - 1	3/13/2011	5/7/2011	56	292.664	54.429		347.093	347.093	349.247
D. Arnold - 1					28.391		28.391	28.391	29.663
Dresden - 2	10/17/2011	11/9/2011	24	170.266	33.606		203.872		
Dresden - 3					33.345		33.345	237.216	236.427
Fermi - 2					24.080		24.080	24.080	24.080
Fitzpatrick - 1					34.739		34.739	34.739	35.217
G. Gulf - 1					22.299		22.299	22.299	21.084
Hatch - 1					29.663		29.663		
Hatch - 2	3/29/2011	5/1/2011	34	118.085	29.496		147.581	177.243	176.976
Hope Creek - 1					25.177		25.177	25.177	24.677
L. Verde - 1							0.000		
L. Verde - 2							0.000		
LaSalle - 1					40.592		40.592		
LaSalle - 2	2/15/2011	3/6/2011	20	259.419	40.252		299.671	340.263	340.529
Limerick - 1					28.189		28.189		
Limerick - 2	3/28/2011	4/22/2011	26	140.350	28.217		168.567	196.756	184.415
Monticello - 1	3/5/2011	5/22/2011	79	198.030	39.945		237.975	237.975	236.997
Nine Mile - 1	3/21/2011	4/18/2011	29	161.688	20.338		182.026		

Nuclear Unit	Outage Start Date	Outage End Date	Outage Duration	Outage Dose	Normal Ops Dose	Other Shutdowns	Total Unit Dose	Total Site Dose	NRC
Nine Mile - 2					62.313		62.313	244.340	244.395
Oyster Creek - 1					46.971		46.971	46.971	46.984
P. Bottom - 2					44.794		44.794		
P. Bottom - 3	9/12/2011	10/13/2011	32	303.986	42.807		346.793	391.587	389.814
Perry - 1	4/18/2011	6/5/2011	49	271.221	36.616		307.837	307.837	307.866
Pilgrim - 1	4/17/2011	5/13/2011	26	199.200	29.574	12.628	241.402	241.402	241.402
Quad Cities - 1	5/9/2011	6/5/2011	28	232.248	28.182		260.430		
Quad Cities - 2					27.883		27.883	288.313	288.818
River Bend - 1	1/15/2011	2/10/2011	27	184.609	28.466		213.075	213.075	211.212
Susquehanna - 1					32.219	0.886	33.105		
Susquehanna - 2	4/5/2011	6/30/2011	87	112.650	23.213		135.863	168.968	168.968
Vermont Yankee - 1	10/9/2011	11/2/2011	25	129.049	47.084		176.133	176.133	176.129