

PWR Pressurizer DM Butt weld Inspection Mitigation Plans

PLANT ID	Plant Name	NSSS Design	Licensee	Initial Operation	Spray	Surge	Safety / Relief	# Safety / Relief Nozzles	Most Recent RFO	Next RFO	Comments
1	ANO 1	B&W	Entergy	05/21/74	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	3	F2005	S2007	
2	ANO 2	CE	Entergy	09/01/78	REPZR-F2006	REPZR-F2006	REPZR-F2006	3	F2006	S2008	
3	Beaver Valley 1	W	First Energy	07/02/76	IN-FW-F2007	NA600	IN-FW-F2007	4	S2006	F2007	
4	Beaver Valley 2	W	First Energy	08/14/87	IN-FW-F2006	IN-FW-F2006	IN-FW-F2006	4	F2006	S2008	
5	Braidwood 1	W	Exelon	31960	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	4	S2006	F2007	
6	Braidwood 2	W	Exelon	32268	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	F2006	S2008	
7	Byron 1	W	Exelon	31092	IN-FW-F2006	IN-FW-F2006	IN-FW-F2006	4	F2006	S2008	All overlays installed - work complete.
8	Byron 2	W	Exelon	31807	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
9	Callaway	W	Ameren	10/18/84	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
10	Calvert Cliffs 1	CE	Constellation Energy	07/31/74	PI-MS-S2006	PI-MS-S2006	PI-MS-S2006	2	S2006	S2008	
11	Calvert Cliffs 2	CE	Constellation Energy	11/30/76	PI-MS-S2007	PI-MS-S2007	PI-MS-S2007	2	S2005	S2007	PDI inspection complete - mitigation in 2007
12	Catawba 1	W	Duke	01/17/85	IN-FW-F2006	IN-FW-F2006	IN-FW-F2006	4	F2006	S2008	Fall 2006 RFO not yet started
13	Catawba 2	W	Duke	05/15/86	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	4	S2006	F2007	
14	Comanche Peak 1	W	TXU	04/17/90	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
15	Comanche Peak 2	W	TXU	04/06/93	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	F2006	S2008	
16	Cook 1	W	AEP	10/25/74	IN-FW-F2006	IN-FW-F2006	IN-FW-F2006	4	F2006	S2008	
17	Cook 2	W	AEP	12/23/77	IN-FW-S2006	IN-FW-S2006	IN-FW-S2006	4	S2006	F2007	Surge Line LBB Approved. NOT implemented (Unit 2 only)
18	Crystal River 3	B&W	Progress Energy	01/28/77	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	3	F2005	F2007	
19	Davis-Besse	B&W	First Energy	04/22/77	PI-FW-S2008	PI-FW-S2008	PI-FW-S2008	3	S2006	S2008	PDI exam in S2006: S/Rs - >90%; Surge - <90%; Spray - nozzle safe-end weld >90% for circ indications <90% for axial indications, safe-end to pipe <90%
20	Diablo Canyon 1	W	PG&E	05/07/85	NA600	NA600	NA600	4	F2005	S2007	
21	Diablo Canyon 2	W	PG&E	03/13/86	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	S2006	S2008	
22	Farley 1	W	Southern Company	06/25/77	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	4	S2006	F2007	
23	Farley 2	W	Southern Company	03/31/81	PI-UN-F2005	PI-UN-F2005	PI-UN-F2007	4	F2005	S2007	Spray and one safety examined F2005. Others estimated >90% & to be examined S2007. FSWOL planned S2010.
24	Fort Calhoun	CE	OPPD	09/26/73	REPZR-F2006	REPZR-F2006	REPZR-F2006	3	F2006	S2008	No A600 or A82/182 welds in new PZR nozzles
25	GINNA	W	Constellation Energy	12/10/69	NA600	NA600	NA600	4	F2006	S2008	
26	Indian Point 2	W	Entergy	09/28/73	NA600	NA600	NA600	4	S2006	S2008	
27	Indian Point 3	W	Entergy	04/05/76	NA600	NA600	NA600	4	S2005	S2007	
28	Kewaunee	W	Dominion Energy	06/16/74	NA600	NA600	NA600	3	F2006	S2008	
29	McGuire 1	W	Duke	07/08/81	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
30	McGuire 2	W	Duke	05/27/83	IN-FW-F2006	IN-FW-F2006	IN-FW-F2006	4	F2006	S2008	
31	Millstone 2	CE	Dominion Energy	09/26/75	REPZR-F2006	REPZR-F2006	REPZR-F2006	3	F2006	S2008	
32	Millstone 3	W	Dominion Energy	01/31/86	IN-FW-F2005	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
33	North Anna 1	W	Dominion Energy	04/01/78	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	4	S2006	F2007	
34	North Anna 2	W	Dominion Energy	08/21/80	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
35	Oconee 1	B&W	Duke	02/06/73	IN-FW-F2006	IN-FW-F2006	IN-FW-F2006	3	F2006	S2008	
36	Oconee 2	B&W	Duke	10/06/73	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	3	F2005	S2007	
37	Oconee 3	B&W	Duke	07/19/74	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	3	S2006	F2007	
38	Palisades	CE	NMC	12/31/71	PI-UN-2004	IN-MS-S2006	See Comments for PORV / relief	4	S2006	F2007	Spray: PDI exam in 2004, repeat in 2007 - Continuous flow and operated at cold leg temperature. Surge: PDI Exam S2006, Mechanical Stress Improvement in 1995 w/ pre-post UT (pre-PDI) PORV: Replaced weld and safe end in 1995 with A690 material. Relief (3): ID PT examination in 1993. Relief request submitted for ID PT in lieu of UT in 2007 and 2009. These are risk informed welds.
39	Palo Verde 1	CE	APS	06/01/85	IN-FW-F2008	IN-FW-F2008	IN-FW-F2008	4	S2007	F2008	
40	Palo Verde 2	CE	APS	04/24/86	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	F2006	S2008	
41	Palo Verde 3	CE	APS	11/25/87	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	4	S2006	F2007	
42	Point Beach 1	W	NMC	10/05/70	NA600	NA600	NA600	4	F2005	S2007	
43	Point Beach 2	W	NMC	03/08/73	NA600	NA600	NA600	4	F2006	S2008	
44	Prairie Island 1	W	NMC	04/05/74	NA600	NA600	NA600	4	S2006	S2008	
45	Prairie Island 2	W	NMC	10/29/74	NA600	IN-FW-F2008	NA600	4	F2006	F2008	Surge nozzle mitigation in September 2008
46	Robinson 2	W	Progress Energy	09/23/70	NA600	NA600	NA600	4	F2005	S2007	
47	Salem 1	W	PSE&G	08/13/76	NA600	NA600	NA600	4	F2005	S2007	
48	Salem 2	W	PSE&G	05/20/81	NA600	NA600	NA600	4	F2006	S2008	
49	San Onofre 2	CE	SCE	09/07/82	PI-FW-S2006	PI-FW-F2007	PI-FW-S2006	3	S2006	F2007	PDI exam of all 5 pressurizer nozzles in S2006 - cast SS inspection limitation
50	San Onofre 3	CE	SCE	09/16/83	PI-FW-F2006	PI-FW-F2006	PI-FW-F2006	3	F2006	F2008	PDI exam of all 5 pressurizer nozzles in F2006 - cast SS inspection limitation - Surge overlay deferred due to F2006 welding issues
51	Seabrook	W	FPL	03/15/90	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	F2006	S2008	
52	Sequoyah 1	W	TVA	09/17/80	IN-FW-F2007	PI-FW-F2007	IN-FW-F2007	4	S2006	F2007	Initial PDI exam of surge nozzle F2007
53	Sequoyah 2	W	TVA	09/15/81	IN-FW-F2006	PI-FW-F2006	IN-FW-F2006	4	S2005	F2006	Fall 2006 RFO not yet started
54	Shearon Harris	W	Progress Energy	01/12/87	IN-FW-F2007	IN-FW-F2007	IN-FW-F2007	4	S2006	F2007	
55	South Texas 1	W	STPNOC	03/22/88	IN-FW-S2008	IN-FW-F2006	IN-FW-S2008	4	F2006	S2008	SWOL & PDI exam of the Unit 1 surge line complete (Fall 2006)
56	South Texas 2	W	STPNOC	03/28/89	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
57	St. Lucie 1	CE	FPL	03/01/76	REPZR-F2005	REPZR-F2005	REPZR-F2005	4	F2005	S2007	New Pressurizer has SS safe end welds and butter
58	St. Lucie 2	CE	FPL	06/10/83	PI-UN-F2007	IN-FW-F2007	PI-UN-F2007*	4	S2006	F2007	*PI for Relief (4"), Safeties (3") to follow MRP schedule
59	Summer	W	SCE&G	11/12/82	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	F2006	S2008	
60	Surry 1	W	Dominion Energy	05/25/72	NA600	NA600	NA600	4	S2006	F2007	
61	Surry 2	W	Dominion Energy	01/29/73	NA600	NA600	NA600	4	F2006	S2008	
62	TMI 1	B&W	Exelon	27138	PI-UN-F2007	PI-UN-F2007	IN-RE-F2007	3	F2005	F2007	2 Safetys & 1 Relief replacement scheduled F2007; Surge nozzle (PZR end) and Spray nozzle (w/ A600 safe-end) to be inspected F2007 & mitigated in 2011.
63	Turkey Point 3	W	FPL	07/19/72	NA600	NA600	NA600	4	S2006	F2007	
64	Turkey Point 4	W	FPL	04/10/73	NA600	NA600	NA600	4	F2006	S2008	
65	Vogtle 1	W	Southern Company	03/16/87	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	4	F2006	S2008	
66	Vogtle 2	W	Southern Company	03/31/89	IN-FW-S2007	IN-FW-S2007	IN-FW-S2007	4	F2005	S2007	
67	Waterford 3	CE	Entergy	03/18/85	IN-FW-S2008	IN-FW-S2008	IN-FW-S2008	3	S2005	F2006	
68	Watts Bar 1	W	TVA	02/07/96	PI-UN-F2006	PI-UN-F2006	PI-UN-F2006	4	F2006	S2008	All weld locations inspected per PDI, future mitigation plans being considered, however in full compliance with MRP-139 baseline.
69	Wolf Creek	W	Wolf Creek	09/03/85	PI-FW-F2006	PI-FW-F2006	PI-FW-F2006	4	F2006	S2008	