

Post Fukushima Order Implementation StatusMitigating Strategies (MS) Order (EA-12-049) Compliance Status

- As of January 11, 2018, 93 of 99 reactor units are in compliance with Order EA-12-049, and therefore have the required FLEX equipment and connections in place. Those units are highlighted in green in the table.
- Thirteen units (boiling water reactors with Mark I or Mark II containments) were granted an extension to the required compliance date for Order EA-12-049 to align with the schedule requirements for the final installation of severe accident capable hardened containment vents. As stipulated when the extensions were granted, FLEX equipment and connections are in place at these units. Seven of those 13 units are now fully in compliance.
- The NRC staff performs inspections in accordance with NRC Inspection Manual Temporary Instruction 2515/191 (TI-191) after all units at a site have notified us that they are in compliance to verify that required FLEX equipment and connections are in place.
- The staff has completed TI-191 inspections at 41 sites.

Spent Fuel Pool Instrumentation (SFPI) Order (EA-12-051) Compliance Status

- As of June 30, 2017, all reactor units are in compliance with Order EA-12-051.
- The NRC staff inspects for compliance with the SFPI Order in conjunction with the inspections for Order EA-12-049.

Severe Accident Capable Hardened Containment Vent System (HCVS) Order (EA-13-109) Compliance Status

- Order EA-13-109 established a schedule for applicable licensees (boiling water reactors with Mark I or Mark II containments) to achieve full compliance with Phase 1 (wetwell vent) by June 30, 2018 and full compliance with Phase 2 (drywell vent or a strategy that makes drywell venting unlikely) by June 30, 2019.
- As of January 11, 2018, 19 of 30 applicable reactor units are in compliance with Phase 1, and 3 of 30 applicable reactor units are in compliance with Phase 2.
- Two units have been granted extensions to the required compliance dates until after their planned final shutdown dates. These units have operable hardened vents in place providing compensatory measures.
- The NRC staff will perform inspections for compliance with the HCVS Order in accordance with NRC Inspection Manual Temporary Instruction 2515/193 (TI-193) after all units at a site are in compliance.
- A pilot TI-193 inspection is planned for summer/fall of 2018.

A table with the Order Compliance Status is provided on the following page

Order Implementation Status for Operating Reactors – By Region

Region I					Region II					Region III					Region IV				
		MS	SFPI	HCVS			MS	SFPI	HCVS			MS	SFPI	HCVS			MS	SFPI	HCVS
Beaver Valley	1	Yes	Yes	NR	Browns Ferry	1	Yes	Yes	Spring 19	Braidwood	1	Yes	Yes	NR	ANO	1	Yes	Yes	NR
Valley	2	Yes	Yes	NR		2	Yes	Yes	Spring 19		2	Yes	Yes	NR		2	Yes	Yes	NR
Calvert Cliffs	1	Yes	Yes	NR		3	Spring 18*	Yes	Spring 19	Byron	1	Yes	Yes	NR	Callaway		Yes	Yes	NR
	2	Yes	Yes	NR	Brunswick	1	Yes	Yes	Spring 19		2	Yes	Yes	NR	Columbia		Yes	Yes	Spring 19
FitzPatrick		Yes	Yes	Fall 18		2	Yes	Yes	Spring 19	Clinton		Yes	Yes	NR	Comanche Peak	1	Yes	Yes	NR
Ginna		Yes	Yes	NR	Catawba	1	Yes	Yes	NR	DC Cook	1	Yes	Yes	NR		2	Yes	Yes	NR
Hope Creek		Yes	Yes	Spring 18		2	Yes	Yes	NR		2	Yes	Yes	NR	Cooper		Yes	Yes	Fall 18
Indian Point	2	Yes	Yes	NR	Farley	1	Yes	Yes	NR	Davis Besse		Yes	Yes	NR	Diablo Canyon	1	Yes	Yes	NR
	3	Yes	Yes	NR		2	Yes	Yes	NR	Dresden	2	Yes	Yes	Yes		2	Yes	Yes	NR
Limerick	1	Spring 18*	Yes	Spring 18	Harris		Yes	Yes	NR		3	Yes	Yes	Yes	Grand Gulf		Yes	Yes	NR
	2	Yes	Yes	Spring 19	Hatch	1	Yes	Yes	Spring 19	Duane Arnold		Yes	Yes	Fall 18	Palo Verde	1	Yes	Yes	NR
Millstone	2	Yes	Yes	NR		2	Yes	Yes	Spring 19	Fermi		Yes	Yes	Fall 18		2	Yes	Yes	NR
	3	Yes	Yes	NR	McGuire	1	Yes	Yes	NR	LaSalle	1	Spring 18*	Yes	Spring 18		3	Yes	Yes	NR
Nine Mile Point	1	Yes	Yes	Spring 19		2	Yes	Yes	NR		2	Yes	Yes	Spring 19	River Bend		Yes	Yes	NR
	2	Yes	Yes	Spring 18	North Anna	1	Yes	Yes	NR	Monticello		Yes	Yes	Spring 19	South Texas	1	Yes	Yes	NR
Oyster Creek		Yes	Yes	Jan 20**		2	Yes	Yes	NR	Palisades		Yes	Yes	NR		2	Yes	Yes	NR
Peach Bottom	2	Yes	Yes	Fall 18	Oconee	1	Yes	Yes	NR	Perry		Yes	Yes	NR	Waterford		Yes	Yes	NR
	3	Yes	Yes	Yes		2	Yes	Yes	NR	Point Beach	1	Yes	Yes	NR	Wolf Creek		Yes	Yes	NR
Pilgrim		Yes	Yes	Dec 19**	Robinson	3	Yes	Yes	NR		2	Yes	Yes	NR					
Salem	1	Yes	Yes	NR			Yes	Yes	NR	Prairie Island	1	Yes	Yes	NR					
	2	Yes	Yes	NR	St. Lucie	1	Yes	Yes	NR		2	Yes	Yes	NR					
Seabrook		Yes	Yes	NR	Sequoyah	2	Yes	Yes	NR	Quad Cities	1	Spring 18*	Yes	Spring 19					
Susquehanna	1	Spring 18*	Yes	Spring 18		1	Yes	Yes	NR		2	Spring 18*	Yes	Spring 18					
	2	Yes	Yes	Spring 19		2	Yes	Yes	NR										
Three Mile Island		Yes	Yes	NR	Summer		Yes	Yes	NR										
					Surry	1	Yes	Yes	NR										
						2	Yes	Yes	NR										
					Turkey Point	3	Yes	Yes	NR										
						4	Yes	Yes	NR										
					Vogtle	1	Yes	Yes	NR										
						2	Yes	Yes	NR										
					Watts Bar	1	Yes	Yes	NR										
						2	Yes	Yes	NR										

NR = Not Required

*Extensions granted for MS Compliance at some BWR units due to related requirements of vent order (EA-13-109). FLEX equipment and connections are in place (to be verified through inspection)

**Extensions granted for Vent Order full compliance, these units will shut down early. Hardened containment vents are in place providing compensatory measures.