

ROP Action Matrix Summary and Current Regulatory Oversight

The assessment program collects information from inspections and performance indicators (PIs) in order to enable the agency to arrive at objective conclusions about the licensee's safety performance. Based on this assessment information, the NRC determines the appropriate level of agency response, including supplemental inspection and pertinent regulatory actions ranging from management meetings up to and including orders for plant shutdown. The Action Matrix Summary listed below reflects overall plant performance and is updated regularly to reflect inputs from the most recent performance indicators and inspection findings. [Security](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

For those plants that are in the Regulatory Response Column, Degraded Cornerstone Column, Multiple/Repetitive Degraded Cornerstone Column, and Unacceptable Performance Column of the Action Matrix, notes are provided to explain the assessment inputs that direct the associated regulatory response. Additionally, information on the current level of inspection at each reactor unit (based on deviations from the Action Matrix, supplemental inspection status, etc.) is also found below. For any licensee in the Licensee Response Column, the expected agency inspection is the baseline program.

The substantive cross-cutting issues are available on the [ROP Substantive Cross Cutting Issues Summary](#) page for each of the plants.

Last Modified: 07-19-2010

Current Regulatory Oversight Table

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▲ Region I

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Licensee Response Column	Baseline Inspection
Beaver Valley 2	Licensee Response Column	Baseline Inspection
Calvert Cliffs 1	Licensee Response Column	Baseline Inspection
Calvert Cliffs 2	Licensee Response Column	Baseline Inspection
FitzPatrick	Licensee Response Column	Baseline Inspection
Ginna	Degraded Cornerstone Column Ginna remained in the Degraded Cornerstone Column due to two white findings in the Mitigating Systems Cornerstone (one originating in 1Q2009, and one originating in 4Q2009), and one white PI in the Mitigating Systems Cornerstone originating in 3Q2009. The 1Q2009 white finding was related to inadequate implementation of the preventative maintenance program for the turbine-driven auxiliary feedwater (TDAFW) pump governor that led to a failure of the pump to operate properly during a surveillance test. The 4Q2009 white finding was related to inadequate corrective actions to prevent recurrence of corrosion which led to binding of the governor control valve and failure of the	Baseline Inspection and An IP 95002 supplemental inspection will be performed.

	TDAFW pump. The white PI was related to exceeding the limit for Heat Removal Systems reliability.	
Hope Creek 1	Licensee Response Column	Baseline Inspection
Indian Point 2	Licensee Response Column	Baseline Inspection
Indian Point 3	Regulatory Response Column Indian Point 3 remained in the Regulatory Response Column due to one white PI in the Initiating Events Cornerstone. The white PI was related to exceeding the limit for Unplanned Scrams per 7000 Critical Hours.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Limerick 1	Licensee Response Column	Baseline Inspection
Limerick 2	Licensee Response Column	Baseline Inspection
Millstone 2	Licensee Response Column	Baseline Inspection
Millstone 3	Licensee Response Column	Baseline Inspection
Nine Mile Point 1	Licensee Response Column	Baseline Inspection
Nine Mile Point 2	Licensee Response Column	Baseline Inspection
Oyster Creek	Licensee Response Column	Baseline Inspection
Peach Bottom 2	Licensee Response Column	Baseline Inspection
Peach Bottom 3	Licensee Response Column	Baseline Inspection
Pilgrim 1	Licensee Response Column	Baseline Inspection
Salem 1	Licensee Response Column	Baseline Inspection
Salem 2	Licensee Response Column	Baseline Inspection
Seabrook 1	Regulatory Response Column Seabrook remained in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone. The final significance determination and follow-up assessment letter was issued on November 12, 2009, based upon an inspection completed in 3Q2009, and involved the failure to adequately control design changes implemented on the 'B' emergency diesel generator jacket water cooling system.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Susquehanna 1	Licensee Response Column	Baseline Inspection
Susquehanna 2	Licensee Response Column	Baseline Inspection
Three Mile Island 1	Licensee Response Column	Baseline Inspection
		Baseline Inspection and On April 5, 2010, the Executive Director for Operations approved a deviation from the Action Matrix regarding Vermont Yankee because the staff considers it

Vermont Yankee	Licensee Response Column	appropriate to apply increased inspection focus to specific areas, even though licensee performance in these areas has not crossed any specific thresholds mandating additional regulatory oversight. This deviation memorandum approved additional inspections, stakeholder communications associated with on-site groundwater contamination, follow-up actions, and stakeholder communications associated with the Demand for Information that was issued by the NRC on March 1, 2010.
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▲ **Region II**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	<p>Degraded Cornerstone Column</p> <p>Browns Ferry 1 is in the Degraded Cornerstone Column due to one yellow finding and one white finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was issued on April 19, 2010, and the assessment follow-up letter was issued on April 21, 2010.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95002 supplemental inspection will be performed.</p>
Browns Ferry 2	<p>Degraded Cornerstone Column</p> <p>Browns Ferry 2 is in the Degraded Cornerstone Column due to one yellow finding and one white finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was issued on April 19, 2010, and the assessment follow-up letter was issued on April 21, 2010.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95002 supplemental inspection will be performed.</p>
Browns Ferry 3	<p>Degraded Cornerstone Column</p> <p>Browns Ferry 3 is in the Degraded Cornerstone Column due to one yellow finding and one white finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was issued on April 19, 2010, and the assessment follow-up letter was issued on April 21, 2010.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95002 supplemental inspection will be performed.</p>
Brunswick 1	Licensee Response Column	Baseline Inspection
Brunswick 2	Licensee Response Column	Baseline Inspection

Catawba 1	Licensee Response Column	Baseline Inspection
Catawba 2	Licensee Response Column	Baseline Inspection
Crystal River 3	Licensee Response Column	Baseline Inspection
Farley 1	Regulatory Response Column Farley 1 is in the Regulatory Response Column due to one white finding in the Emergency Preparedness Cornerstone originating in 2Q2009 and one white PI for the Mitigating Systems Performance Index - Emergency AC Power System.	Baseline Inspection and IP 95001 supplemental inspections will be performed.
Farley 2	Regulatory Response Column Farley 2 is in the Regulatory Response column due to one white finding in the Emergency Preparedness Cornerstone originating in 2Q2009.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Harris 1	Licensee Response Column	Baseline Inspection
Hatch 1	Licensee Response Column	Baseline Inspection
Hatch 2	Degraded Cornerstone Column Hatch 2 is in the Degraded Cornerstone Column. A previous white finding in the Mitigating Systems Cornerstone was issued in 1Q2009 and was an input into the Action Matrix for CY 2009. That finding, combined with the white finding issued on May 12, 2010, which entered the Action Matrix in 4Q2009, results in two white findings in the same cornerstone during 4Q2009.	Baseline Inspection and An IP 95002 supplemental inspection will be performed.
McGuire 1	Licensee Response Column	Baseline Inspection
McGuire 2	Licensee Response Column	Baseline Inspection
North Anna 1	Licensee Response Column	Baseline Inspection
North Anna 2	Licensee Response Column	Baseline Inspection
Oconee 1	Licensee Response Column	Baseline Inspection
Oconee 2	Licensee Response Column	Baseline Inspection
Oconee 3	Licensee Response Column	Baseline Inspection
Robinson 2	Licensee Response Column	Baseline Inspection
Saint Lucie 1	Degraded Cornerstone Column St. Lucie 1 transitioned to the Degraded Cornerstone Column in 4Q2009 due to one yellow finding in the Mitigating Systems Cornerstone. The final significance determination letter was issued on April 19, 2010, and the assessment follow-up letter was issued on April 30, 2010.	Baseline Inspection and An IP 95002 supplemental inspection will be performed.
Saint Lucie 2	Licensee Response Column	Baseline Inspection
Sequoyah 1	Licensee Response Column	Baseline Inspection

Sequoyah 2	Licensee Response Column	Baseline Inspection
Summer	Licensee Response Column	Baseline Inspection
Surry 1	Licensee Response Column	Baseline Inspection
Surry 2	Licensee Response Column	Baseline Inspection
Turkey Point 3	Regulatory Response Column Turkey Point Unit 3 is the Regulatory Response Column due to one white finding in the Initiating Events Cornerstone originating in 4Q2009. The finding was originally documented in an inspection report issued on January 28, 2010. The final significance determination letter was issued on June 21, 2010, and the assessment follow-up letter was issued on June 28, 2010.	Baseline Inspection and an IP 95001 supplemental inspection will be performed.
Turkey Point 4	Licensee Response Column	Baseline Inspection
Vogtle 1	Licensee Response Column	Baseline Inspection
Vogtle 2	Licensee Response Column	Baseline Inspection
Watts Bar 1	Licensee Response Column	Baseline Inspection

▲ **Region III**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Regulatory Response Column Braidwood 1 is in the Regulatory Response Column due to a white finding in the Mitigating Systems Cornerstone originating in 4Q2009. The finding was originally documented in an inspection report issued on November 30, 2009. The final significance determination letter was issued on February 25, 2010.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Braidwood 2	Licensee Response Column	Baseline Inspection
Byron 1	Licensee Response Column	Baseline Inspection
Byron 2	Licensee Response Column	Baseline Inspection
Clinton	Licensee Response Column	Baseline Inspection
D.C. Cook 1	Licensee Response Column	Baseline Inspection
D.C. Cook 2	Licensee Response Column	Baseline Inspection
Davis-Besse	Regulatory Response Column Davis-Besse is in the Regulatory Response Column due to a white finding in the Emergency Preparedness Cornerstone originating in 4Q2009. The finding was originally documented in an inspection report issued on December 28, 2009. The final significance determination letter was issued on February 25, 2010.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.

Dresden 2	Licensee Response Column	Baseline Inspection
Dresden 3	Licensee Response Column	Baseline Inspection
Duane Arnold	Licensee Response Column	Baseline Inspection
Fermi 2	Licensee Response Column	Baseline Inspection
Kewaunee	Licensee Response Column	Baseline Inspection
La Salle 1	Licensee Response Column	Baseline Inspection
La Salle 2	Licensee Response Column	Baseline Inspection
Monticello	Licensee Response Column	Baseline Inspection
Palisades	Regulatory Response Column Palisades is in the Regulatory Response Column due to one white finding involving spent fuel pool plate degradation, originating in 4Q2009. The finding was originally documented in an inspection report issued on December 9, 2009. The final significance determination letter was issued on January 20, 2010.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Perry 1	Licensee Response Column	Baseline Inspection
Point Beach 1	Licensee Response Column	Baseline Inspection
Point Beach 2	Licensee Response Column	Baseline Inspection
Prairie Island 1	Licensee Response Column	Baseline Inspection
Prairie Island 2	Regulatory Response Column Prairie Island 2 is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 3Q2009. The final significance determination letter was issued on September 3, 2009. The Mitigating Systems finding was originally documented in an inspection report issued on August 5, 2009.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Quad Cities 1	Licensee Response Column	Baseline Inspection
Quad Cities 2	Licensee Response Column	Baseline Inspection

▲ **Region IV**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Arkansas Nuclear 1	Licensee Response Column	Baseline Inspection
Arkansas Nuclear 2	Licensee Response Column	Baseline Inspection
Callaway	Regulatory Response Column Callaway is in the Regulatory Response Column due to one white PI in the Mitigating Systems Performance Index Emergency AC Power.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.

Columbia Generating Station	Regulatory Response Column Columbia Generating Station is in the Regulatory Response Column due to one white PI in the Unplanned Scrams per 7000 Critical Hours Performance Indicator.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Comanche Peak 1	Licensee Response Column	Baseline Inspection
Comanche Peak 2	Licensee Response Column	Baseline Inspection
Cooper	Licensee Response Column	Baseline Inspection
Diablo Canyon 1	Licensee Response Column	Baseline Inspection
Diablo Canyon 2	Licensee Response Column	Baseline Inspection
Fort Calhoun	Licensee Response Column	Baseline Inspection
Grand Gulf 1	Licensee Response Column	Baseline Inspection
Palo Verde 1	Licensee Response Column	Baseline Inspection
Palo Verde 2	Licensee Response Column	Baseline Inspection
Palo Verde 3	Licensee Response Column	Baseline Inspection
River Bend 1	Licensee Response Column	Baseline Inspection
San Onofre 2	Regulatory Response Column San Onofre 2 is in the Regulatory Response Column based on a white finding associated with the Mitigating Systems Cornerstone. The finding was issued on December 19, 2008 and involved the failure to establish appropriate instructions for replacement of a safety-related battery output breaker. This finding is being held open based on open actions associated with the supplemental inspection.	Baseline Inspection and Region IV completed the 95001 inspection and the report was issued on March 2, 2010, however, NRC concluded that the White finding will remain open because some corrective actions were not fully developed and there was a lack of assurance that the licensees corrective actions would be effective.
San Onofre 3	Licensee Response Column	Baseline Inspection
South Texas 1	Licensee Response Column	Baseline Inspection
South Texas 2	Licensee Response Column	Baseline Inspection
Waterford 3	Regulatory Response Column Waterford 3 is in the Regulatory Response Column based on a white finding associated with the Mitigating Systems Cornerstone originating in 3Q2009. The final significance determination letter was issued on January 14, 2010.	Baseline Inspection and An IP 95001 supplemental inspection will be performed.
Wolf Creek 1	Degraded Cornerstone Column Wolf Creek is in the Degraded Cornerstone Column due to white Initiating Events Cornerstone PIs in both Unplanned Scrams per 7000 Critical Hours and Unplanned Scrams with Complications. Wolf Creek also has a white Mitigating Systems Cornerstone PI	Baseline Inspection and An IP 95002 supplemental inspection will be performed.

▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<u>Arkansas Nuclear 1</u>	<u>Braidwood 1</u>	<u>Browns Ferry 1</u>		
<u>Arkansas Nuclear 2</u>	<u>Callaway</u>	<u>Browns Ferry 2</u>		
<u>Beaver Valley 1</u>	<u>Columbia Generating Station</u>	<u>Browns Ferry 3</u>		
<u>Beaver Valley 2</u>	<u>Davis-Besse</u>	<u>Ginna</u>		
<u>Braidwood 2</u>	<u>Farley 1</u>	<u>Hatch 2</u>		
<u>Brunswick 1</u>	<u>Farley 2</u>	<u>Saint Lucie 1</u>		
<u>Brunswick 2</u>	<u>Indian Point 3</u>	<u>Wolf Creek 1</u>		
<u>Byron 1</u>	<u>Palisades</u>			
<u>Byron 2</u>	<u>Prairie Island 2</u>			
<u>Calvert Cliffs 1</u>	<u>San Onofre 2</u>			
<u>Calvert Cliffs 2</u>	<u>Seabrook 1</u>			
<u>Catawba 1</u>	<u>Turkey Point 3</u>			
<u>Catawba 2</u>	<u>Waterford 3</u>			
<u>Clinton</u>				
<u>Comanche Peak 1</u>				
<u>Comanche Peak 2</u>				
<u>Cooper</u>				
<u>Crystal River 3</u>				
<u>D.C. Cook 1</u>				
<u>D.C. Cook 2</u>				
<u>Diablo Canyon 1</u>				
<u>Diablo Canyon 2</u>				
<u>Dresden 2</u>				
<u>Dresden 3</u>				
<u>Duane Arnold</u>				
<u>Fermi 2</u>				
<u>FitzPatrick</u>				
<u>Fort Calhoun</u>				
<u>Grand Gulf 1</u>				
<u>Harris 1</u>				
<u>Hatch 1</u>				
<u>Hope Creek 1</u>				
<u>Indian Point 2</u>				
<u>Kewaunee</u>				
<u>La Salle 1</u>				
<u>La Salle 2</u>				
<u>Limerick 1</u>				
<u>Limerick 2</u>				

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Monticello](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Pilgrim 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 3](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Susquehanna 2](#)

[Three Mile Island 1](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Watts Bar 1](#)

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