

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. Although the [Security Cornerstone](#) is included in the Reactor Oversight Process assessment program, the Commission has decided that specific information related to findings and performance indicators pertaining to the Security Cornerstone will not be publicly available to ensure that security information is not provided to a possible adversary. Other than the fact that a finding or performance indicator is Green or Greater-Than-Green, security related information will not be displayed on the public web page.

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: 10-05-2012

Current Regulatory Oversight Table

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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 The Inspection Findings Summary and Unit Performance Summary pages indicate a greater-than-green finding under the Security Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Calvert 1 is in Column 1.	Baseline inspection
Calvert Cliffs 2	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a greater-than-green finding under the Security Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Calvert 2 is in Column 1.	Baseline inspection
FitzPatrick	Licensee Response Column	Baseline inspection

Ginna	Licensee Response Column	Baseline inspection
Hope Creek 1	Degraded Cornerstone Column Hope Creek is in Column 3 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 1Q2012.	Baseline inspection and IP 95002 supplemental inspection
Indian Point 2	Licensee Response Column	Baseline inspection
Indian Point 3	Licensee Response Column	Baseline inspection
Limerick 1	Licensee Response Column	Baseline inspection
Limerick 2	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a white inspection finding under the Mitigating Systems Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Limerick 2 is in Column 1.	Baseline inspection
Millstone 2	Regulatory Response Column Millstone 2 is in Column 2 because of a white finding in the Initiating Events Cornerstone originating in 2Q2011.	Baseline inspection and IP 95001 supplemental 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	Regulatory Response Column Pilgrim 1 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 3Q2011.	Baseline inspection and IP 95001 supplemental inspection
Salem 1	Degraded Cornerstone Column Salem 1 is in Column 3 because of one or more greater-than-green finding(s) in the Security Systems Cornerstone originating in 1Q2012.	Baseline inspection and IP 95002 supplemental inspection
Salem 2	Degraded Cornerstone Column Salem 2 is in Column 3 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 1Q2012.	Baseline inspection and IP 95002 supplemental inspection
	Regulatory Response Column	Baseline inspection

Seabrook 1	Seabrook 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.	and IP 95001 supplemental inspection
Susquehanna 1	Regulatory Response Column Susquehanna 1 is in Column 2 because of one white finding in the Initiating Events Cornerstone originating in 3Q2010. A prior 95002 was performed because Susquehanna 1 was in Column 3 (see report ML12125A374). The inspection found that the white finding was not adequately addressed. Therefore, the finding will be held open until it is inspected satisfactorily. Note that the White Performance Indicator (Unplanned Scrams per 7000 Critical Hours) associated with Column 3 was closed during the 95002 inspection.	Baseline inspection and Continuation of IP 95002 supplemental inspection to address remaining white finding
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection
Vermont Yankee	Licensee Response Column	Baseline inspection

▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Multiple/Repetitive Degraded Cornerstone Column Browns Ferry 1 is in Column 4 because of a red finding in the Mitigating Systems Cornerstone originating in 4Q2010.	Baseline inspection and IP 95003 supplemental inspection
Browns Ferry 2	Regulatory Response Column Browns Ferry 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
Browns Ferry 3	Regulatory Response Column Browns Ferry 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012. Browns Ferry Unit 3 also has one white PI in the Initiating Events Cornerstone, Unplanned Scrams per 7000 Critical Hours, originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
Brunswick 1	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a white finding under the Mitigating	Baseline inspection

	Systems Cornerstone. The supplemental inspection was performed satisfactorily. As of 4Q2012, the finding is closed and Brunswick 1 is in Column 1.	
Brunswick 2	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a white finding under the Mitigating Systems Cornerstone. The supplemental inspection was performed satisfactorily. As of 4Q2012, the finding is closed and Brunswick 2 is in Column 1.	Baseline inspection
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a white inspection finding under the Emergency Preparedness Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Crystal River is in Column 1.	Baseline inspection
Farley 1	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a greater-than-green finding under the Security Cornerstone. The supplemental inspection was performed satisfactorily. As of 4Q2012, the finding is closed and Farley 1 is in Column 1.	Baseline inspection
Farley 2	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a greater-than-green finding under the Security Cornerstone. The supplemental inspection was performed satisfactorily. As of 4Q2012, the finding is closed and Farley 2 is in Column 1.	Baseline inspection
Harris 1	Regulatory Response Column Harris is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
Hatch 1	Licensee Response Column	Baseline inspection
Hatch 2	Licensee Response Column	Baseline inspection
McGuire 1	Licensee Response Column	Baseline inspection
McGuire 2	Licensee Response Column	Baseline inspection

North Anna 1	<p>Regulatory Response Column</p> <p>North Anna 1 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 4Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
North Anna 2	<p>Regulatory Response Column</p> <p>North Anna 2 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 4Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Oconee 1	<p>Licensee Response Column</p> <p>As detailed in the inspection report 2012011 (ML12068A353) Oconee 1 has a yellow inspection finding in the Mitigating Systems Cornerstone. This finding was determined to be an old design issue, and in accordance with IMC 0305, will not aggregate in the Action Matrix with other performance indicators and inspection findings. Although the yellow finding will not aggregate in the Action Matrix, it will remain open until all IP 95002 inspection objectives have been met and verified by inspection.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Oconee 2	<p>Licensee Response Column</p> <p>As detailed in the inspection report 2012011 (ML12068A353) Oconee 2 has a yellow inspection finding in the Mitigating Systems Cornerstone. This finding was determined to be an old design issue, and in accordance with IMC 0305, will not aggregate in the Action Matrix with other performance indicators and inspection findings. Although the yellow finding will not aggregate in the Action Matrix, it will remain open until all IP 95002 inspection objectives have been met and verified by inspection.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Oconee 3	<p>Licensee Response Column</p> <p>As detailed in the inspection report 2012011 (ML12068A353) Oconee 3 has a yellow inspection finding in the Mitigating Systems Cornerstone. This finding was determined to be an old design issue, and in accordance with IMC 0305, will not aggregate in the Action Matrix with other performance indicators and inspection findings. Although the yellow finding will not aggregate in the Action Matrix, it will</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>

	remain open until all IP 95002 inspection objectives have been met and verified by inspection.	
Robinson 2	Licensee Response Column	Baseline inspection
Saint Lucie 1	Degraded Cornerstone Column Saint Lucie 1 is in Column 3 because of two white Initiating Events Cornerstone PIs both originating in 1Q2012.	Baseline inspection and IP 95002 supplemental inspection
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 in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Turkey Point 4	Regulatory Response Column Turkey Point Unit 4 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Vogtle 1	Licensee Response Column	Baseline inspection
Vogtle 2	Licensee Response Column	Baseline inspection
Watts Bar 1	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a greater-than-green finding under the Security Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Watts Bar is in Column 1.	Baseline inspection

▲ **Region III**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
Braidwood 2	Regulatory Response Column Braidwood 2 is in Column 2 because of one white PI in the Mitigating Systems Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Dresden 2	Licensee Response Column	Baseline inspection
Dresden 3	Licensee Response Column	Baseline inspection
Duane Arnold	Licensee Response Column	Baseline inspection
Fermi 2	Regulatory Response Column Fermi is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2010.	Baseline inspection and IP 95001 supplemental 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	Degraded Cornerstone Column Palisades is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 4Q2011. Palisades also has a white finding in the Initiating Events Cornerstone and a white finding in the Mitigating Systems Cornerstone, both originating 4Q2011.	Baseline inspection and IP 95002 supplemental inspection
Perry 1	Degraded Cornerstone Column Perry 1 is in Column 3 because of one white Occupational Radiation Safety Cornerstone PI and one white finding in the Occupational Radiation Safety Cornerstone both originating in 2Q2011.	Baseline inspection and IP 95002 supplemental inspection
Point Beach 1	Regulatory Response Column Point Beach 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
Point Beach 2	Regulatory Response Column Point Beach 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
	Regulatory Response Column	Baseline inspection

Prairie Island 1	Prairie Island 1 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2011.	and IP 95001 supplemental inspection
Prairie Island 2	Regulatory Response Column Prairie Island 2 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
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	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a greater-than-green finding under the Security Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Callaway is in Column 1.	Baseline inspection
Columbia Generating Station	Licensee Response Column	Baseline inspection
Comanche Peak 1	Licensee Response Column	Baseline inspection
Comanche Peak 2	Licensee Response Column	Baseline inspection
Cooper	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary still indicates a white inspection finding under the Mitigating Systems Cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2012, the finding is closed and Cooper is in Column 1.	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	Under IMC 0350 Fort Calhoun is under the oversight of inspection manual chapter 0350, "Oversight of Reactor Facilities in a Shutdown Condition due to Significant Performance and/or Operational Concerns." For more information please see the letter dated December 13, 2011	Nuclear Regulatory Commission staff has established a special oversight panel to coordinate the agency's regulatory activities associated with assessing the performance issues at Fort Calhoun.

	(ML113470721).	
Grand Gulf 1	Licensee Response Column	Baseline inspection
Palo Verde 1	Regulatory Response Column Palo Verde 1 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Palo Verde 2	Regulatory Response Column Palo Verde 2 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Palo Verde 3	Regulatory Response Column Palo Verde 3 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
River Bend 1	Regulatory Response Column River Bend is in Column 2 because of one white PI in the Initiating Events Cornerstone for Unplanned Scrams with Complications originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
San Onofre 2	Regulatory Response Column San Onofre 2 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
San Onofre 3	Regulatory Response Column San Onofre 3 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 2Q2012.	Baseline inspection and IP 95001 supplemental inspection
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Licensee Response Column The Inspection Findings Summary and Unit Performance Summary pages indicate a white inspection finding under the Occupational Radiation Safety Cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2012, the finding is closed and Waterford is in Column 1.	Baseline inspection
	Degraded Cornerstone Column	Baseline inspection

Wolf Creek 1

Wolf Creek is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 2Q2012. Wolf Creek also has a white PI in the Mitigating Systems Cornerstone originating in 2Q2012.

and

IP 95002 supplemental inspection

▲ 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 2</u>	<u>Hope Creek 1</u>	<u>Browns Ferry 1</u>	
<u>Arkansas Nuclear 2</u>	<u>Browns Ferry 2</u>	<u>Palisades</u>		
<u>Beaver Valley 1</u>	<u>Browns Ferry 3</u>	<u>Perry 1</u>		
<u>Beaver Valley 2</u>	<u>Fermi 2</u>	<u>Saint Lucie 1</u>		
<u>Braidwood 1</u>	<u>Harris 1</u>	<u>Salem 1</u>		
<u>Brunswick 1</u>	<u>Millstone 2</u>	<u>Salem 2</u>		
<u>Brunswick 2</u>	<u>North Anna 1</u>	<u>Wolf Creek 1</u>		
<u>Byron 1</u>	<u>North Anna 2</u>			
<u>Byron 2</u>	<u>Palo Verde 1</u>			
<u>Callaway</u>	<u>Palo Verde 2</u>			
<u>Calvert Cliffs 1</u>	<u>Palo Verde 3</u>			
<u>Calvert Cliffs 2</u>	<u>Pilgrim 1</u>			
<u>Catawba 1</u>	<u>Point Beach 1</u>			
<u>Catawba 2</u>	<u>Point Beach 2</u>			
<u>Clinton</u>	<u>Prairie Island 1</u>			
<u>Columbia Generating Station</u>	<u>Prairie Island 2</u>			
<u>Comanche Peak 1</u>	<u>River Bend 1</u>			
<u>Comanche Peak 2</u>	<u>San Onofre 2</u>			
<u>Cooper</u>	<u>San Onofre 3</u>			
<u>Crystal River 3</u>	<u>Seabrook 1</u>			
<u>D.C. Cook 1</u>	<u>Susquehanna 1</u>			
<u>D.C. Cook 2</u>	<u>Turkey Point 3</u>			
<u>Davis-Besse</u>	<u>Turkey Point 4</u>			
<u>Diablo Canyon 1</u>				
<u>Diablo Canyon 2</u>				
<u>Dresden 2</u>				
<u>Dresden 3</u>				
<u>Duane Arnold</u>				
<u>Farley 1</u>				
<u>Farley 2</u>				
<u>FitzPatrick</u>				
<u>Ginna</u>				
<u>Grand Gulf 1</u>				

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