

## 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 with each site. 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.

### Current Regulatory Oversight Table

[Region I](#) | [Region II](#) | [Region III](#) | [Region IV](#) | [Action Matrix Summary](#)

#### ▲ Region I

Reactor Unit	Current Regulatory Oversight	Action Matrix Column
Beaver Valley 1	Baseline Inspection	Licensee Response Column
Beaver Valley 2	Baseline Inspection	Licensee Response Column
Calvert Cliffs 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Calvert Cliffs Unit 1 remained in the Regulatory Response Column due to one WHITE finding in the Emergency Preparedness cornerstone originating in 1Q2009. The WHITE finding was related to an inaccurate threshold in the emergency action level table.
Calvert Cliffs 2	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Calvert Cliffs Unit 2 remained in the Regulatory Response Column due to one WHITE finding in the Emergency Preparedness cornerstone originating in 1Q2009. The WHITE finding was related to an inaccurate threshold in the emergency action level table.
FitzPatrick	Baseline Inspection	Licensee Response Column
	Baseline Inspection	Degraded Cornerstone Column  Ginna transitioned into the Degraded Cornerstone Column due to one WHITE finding in the Mitigating Systems Cornerstone originating in 1Q2009 and one

Ginna	<p>and</p> <p>An IP 95002 supplemental inspection for the WHITE finding and PI will be performed.</p>	<p>WHITE Performance Indicator (PI) in the Mitigating Systems Cornerstone originating in 3Q2009. The WHITE finding was related to inadequate implementation of the preventative maintenance program for the turbine-driven auxiliary feedwater pump governor that led to a failure of the pump to operate properly during a surveillance test. The WHITE PI was related to exceeding the limit for Heat Removal Systems reliability.</p>
Hope Creek 1	Baseline Inspection	Licensee Response Column
Indian Point 2	<p>Baseline Inspection</p> <p>On December 16, 2008, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2009 because some exit criteria in the prior deviation related to ground water monitoring have not been met and the unique factors warranting a deviation from the ROP continue in 2009. This deviation is reduced in scope from prior years because the exit criteria related to the replacement alert and notification system have been met and the ROP is appropriate and sufficient to monitor performance in this regard.</p>	Licensee Response Column
Indian Point 3	<p>Baseline Inspection and an IP 95001 supplemental inspection will be performed.</p> <p>On December 16, 2008, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2009 because some exit criteria in the prior deviation related to ground water monitoring have not been met and the unique factors warranting a deviation from the ROP continue in 2009. This deviation is reduced in scope from prior years because the exit criteria related to the replacement alert and notification system have been met and the ROP is appropriate and sufficient to monitor performance in this regard.</p>	<p>Regulatory Response Column</p> <p>Indian Point Unit 3 transitioned into the Regulatory Response column due to one WHITE Performance Indicator (PI) in the Initiating Events Cornerstone originating in 3Q2009. The WHITE PI was related to exceeding the limit for Unplanned Scrams per 7000 Critical Hours.</p>
Limerick 1	Baseline Inspection	Licensee Response Column
Limerick 2	Baseline Inspection	Licensee Response Column
Millstone 2	Baseline Inspection	Licensee Response Column
Millstone 3	Baseline Inspection	Licensee Response Column
Nine Mile Point 1	Baseline Inspection	Licensee Response Column
		Regulatory Response Column

Nine Mile Point 2	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Nine Mile Point Unit 2 remained in the Regulatory Response Column due to one WHITE Performance Indicator (PI) in the Mitigating System Cornerstone originating in 4Q2008. The WHITE PI was related to exceeding the limit for Cooling Water System unavailability and reliability.
Oyster Creek	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Oyster Creek transitioned into the Regulatory Response Column due to one WHITE Performance Indicator (PI) in the Initiating Events Cornerstone originating in 3Q2009. The WHITE PI was related to exceeding the limit for Unplanned Scrams per 7000 Critical Hours.
Peach Bottom 2	Baseline Inspection	Licensee Response Column
Peach Bottom 3	Baseline Inspection	Licensee Response Column
Pilgrim 1	Baseline Inspection	Licensee Response Column
Salem 1	Baseline Inspection	Licensee Response Column
Salem 2	Baseline Inspection	Licensee Response Column
Seabrook 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Seabrook is in the Regulatory Response Column based on a WHITE finding associated with 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.
Susquehanna 1	Baseline Inspection	Licensee Response Column
Susquehanna 2	Baseline Inspection	Licensee Response Column
Three Mile Island 1	Baseline Inspection	Licensee Response Column
Vermont Yankee	Baseline Inspection	Licensee Response Column

## ▲ Region II

Reactor Unit	Current Regulatory Oversight	3Q/2009 Action Matrix Column
Browns Ferry 1	Baseline Inspection	Licensee Response Column
Browns Ferry 2	Baseline Inspection	Licensee Response Column
Browns Ferry 3	Baseline Inspection	Licensee Response Column
Brunswick 1	Baseline Inspection and An IP 95001 supplemental inspection will	Regulatory Response Column  Brunswick Unit 1 is in the Regulatory Response due to one WHITE finding in the Mitigating Systems Cornerstone

	be performed.	originating in 2Q2009.
Brunswick 2	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column Brunswick Unit 2 is in the Regulatory Response due to one WHITE finding in the Mitigating Systems Cornerstone originating in 2Q2009.
Catawba 1	Baseline Inspection	Licensee Response Column
Catawba 2	Baseline Inspection	Licensee Response Column
Crystal River 3	Baseline Inspection	Licensee Response Column
Farley 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column Farley Unit 1 is in the Regulatory Response column due to one WHITE finding in the Emergency Preparedness cornerstone originating in 2Q2009. In addition, Farley Unit 1 has one WHITE PI for Emergency AC Power System in the Mitigating Systems cornerstone.
Farley 2	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column Farley Unit 2 is in the Regulatory Response column due to one WHITE finding in the Emergency Preparedness cornerstone originating in 2Q2009.
Harris 1	Baseline Inspection	Licensee Response Column
Hatch 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column Hatch Unit 1 is in the Regulatory Response column due to one WHITE finding in the Mitigating Systems Cornerstone originating in 1Q2009.
Hatch 2	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column Hatch Unit 2 is in the Regulatory Response column due to one WHITE finding in the Mitigating Systems Cornerstone originating in 1Q2009.
McGuire 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column McGuire Unit 1 is in the Regulatory Response Column due to one WHITE finding in the Mitigating Systems Cornerstone originating in 3Q2008. This finding is being held open, in accordance with IMC 0305, for greater than 4 quarters because the licensee has not yet notified the NRC that they are prepared for the supplemental 95001 inspection.
	Baseline Inspection	Regulatory Response Column McGuire Unit 2 is in the Regulatory Response Column due to one WHITE

McGuire 2	and An IP 95001 supplemental inspection will be performed.	finding in the Mitigating Systems Cornerstone originating in 3Q2008. This finding is being held open, in accordance with IMC 0305, for greater than 4 quarters because the licensee has not yet notified the NRC that they are prepared for the supplemental 95001 inspection.
North Anna 1	Baseline Inspection	Licensee Response Column
North Anna 2	Baseline Inspection	Licensee Response Column
Oconee 1	Baseline Inspection The IP 95001 supplemental inspection was successfully completed and the inspection report was issued on September 21, 2009 (ML092650133). Barring any greater than green inputs, Oconee will return to the Licensee Response Column in 4Q2009.	Regulatory Response Column Oconee Unit 1 is in the Regulatory Response Column due to one WHITE finding in the Initiating Events Cornerstone originating in 4Q2008.
Oconee 2	Baseline Inspection	Licensee Response Column
Oconee 3	Baseline Inspection	Licensee Response Column
Robinson 2	Baseline Inspection	Licensee Response Column
Saint Lucie 1	Baseline Inspection	Licensee Response Column
Saint Lucie 2	Baseline Inspection	Licensee Response Column
Sequoyah 1	Baseline Inspection	Licensee Response Column
Sequoyah 2	Baseline Inspection	Licensee Response Column
Summer	Baseline Inspection	Licensee Response Column
Surry 1	Baseline Inspection	Licensee Response Column
Surry 2	Baseline Inspection	Licensee Response Column
Turkey Point 3	Baseline Inspection	Licensee Response Column
Turkey Point 4	Baseline Inspection	Licensee Response Column
Vogtle 1	Baseline Inspection	Licensee Response Column
Vogtle 2	Baseline Inspection	Licensee Response Column
Watts Bar 1	Baseline Inspection	Licensee Response Column

▲ **Region III**

<b>Reactor Unit</b>	<b>Current Regulatory Oversight</b>	<b>3Q/2009 Action Matrix Column</b>
Braidwood 1	Baseline Inspection	Licensee Response Column
Braidwood 2	Baseline Inspection	Licensee Response Column
Byron 1	Baseline Inspection	Licensee Response Column
Byron 2	Baseline Inspection	Licensee Response Column
Clinton	Baseline Inspection	Licensee Response Column
D.C. Cook 1	Baseline Inspection	Licensee Response Column
D.C. Cook 2	Baseline Inspection	Licensee Response Column
Davis-Besse	Baseline Inspection	Licensee Response Column
Dresden 2	Baseline Inspection	Licensee Response Column

Dresden 3	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Dresden Unit 3 is in the Regulatory Response Column due to one WHITE finding in the Mitigating Systems Cornerstone originating in 3Q2009. Finding was originally documented as an Apparent Violation in an inspection report whose inspection period ended on July 15, 2009; report issued on August 19, 2009. Final Significance Determination Letter was signed October 26, 2009.
Duane Arnold	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Duane Arnold is in the Regulatory Response Column due to one WHITE finding in the Mitigating Systems Cornerstone originating in 2Q2009. Final Determination Letter was issued June 9, 2009.
Fermi 2	Baseline Inspection	Licensee Response Column
Kewaunee	Baseline Inspection	Licensee Response Column
La Salle 1	Baseline Inspection	Licensee Response Column
La Salle 2	Baseline Inspection	Licensee Response Column
Monticello	Baseline Inspection	Licensee Response Column
Palisades	Baseline Inspection  An IP 95001 supplemental inspection as satisfactorily completed at the end of the 3Q2009. Barring any additional greater than green inputs, Palisades will return to the Licensee Response Column for the 4Q2009.	Regulatory Response Column  Palisades is in the Regulatory Response Column due to one WHITE finding in the Occupational Radiation Safety Cornerstone originating in 4Q2008. Finding was originally documented as an Apparent Violation in an inspection report issued on December 18, 2008. Final Determination Letter was issued January 30, 2009.
Perry 1	Baseline Inspection	Licensee Response Column
Point Beach 1	Baseline Inspection	Licensee Response Column
Point Beach 2	Baseline Inspection	Licensee Response Column
Prairie Island 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Prairie Island Unit 1 is in the Regulatory Response Column due to one WHITE finding in the Public Radiation Safety Cornerstone originating in 1Q2009. Final Determination Letter was issued May 6, 2009.
Prairie Island 2	Baseline Inspection and	Regulatory Response Column  Prairie Island Unit 2 is in the Regulatory Response Column due to one WHITE finding in the Public Radiation Safety Cornerstone originating in 1Q2009 (Final Determination Letter was issued on May 6,

	IP 95001 supplemental inspections will be performed.	2009) and one WHITE finding in the Mitigating Systems Cornerstone originating in 3Q09 (Final Determination Letter issued September 3, 2009).
Quad Cities 1	Baseline Inspection	Licensee Response Column
Quad Cities 2	Baseline Inspection	Licensee Response Column

▲ **Region IV**

<b>Reactor Unit</b>	<b>Current Regulatory Oversight</b>	<b>3Q/2009 Action Matrix Column</b>
Arkansas Nuclear 1	Baseline Inspection  The IP 95001 supplemental inspection was successfully completed and the inspection report was issued on August 14, 2009 (ML092260065). However, since PI is still WHITE, the plant remains in the Regulatory Response Column.	Regulatory Response Column  Arkansas Nuclear One, Unit 1 is in the Regulatory Response Column due to exceeding the WHITE threshold for the Unplanned Scrams per 7000 Critical Hours Performance Indicator. This was based upon 2 unplanned manual scrams in December 2008, and 2 unplanned manual scrams in February 2009.
Arkansas Nuclear 2	Baseline Inspection	Licensee Response Column
Callaway	Baseline Inspection	Licensee Response Column
Columbia Generating Station	Baseline Inspection  and  An IP 95001 supplemental inspection is planned for late December 2009 or early January 2010.	Regulatory Response Column  Columbia Generating Station is in the Regulatory Response Column due to exceeding the GREEN/WHITE threshold for the Unplanned Scrams per 7000 Critical Hours Performance Indicator.
Comanche Peak 1	Baseline Inspection	Licensee Response Column
Comanche Peak 2	Baseline Inspection	Licensee Response Column
Cooper	Baseline Inspection	Licensee Response Column
Diablo Canyon 1	Baseline Inspection	Licensee Response Column
Diablo Canyon 2	Baseline Inspection	Licensee Response Column
Fort Calhoun	Baseline Inspection	Licensee Response Column
Grand Gulf 1	Baseline Inspection	Licensee Response Column
Palo Verde 1	Baseline Inspection	Licensee Response Column
Palo Verde 2	Baseline Inspection	Licensee Response Column
Palo Verde 3	Baseline Inspection	Licensee Response Column
River Bend 1	Baseline Inspection	Licensee Response Column
San Onofre 2	Baseline Inspection  and  Region IV is waiting for the licensee to inform the NRC that they are ready for the IP 95001 supplemental inspection.	Regulatory Response Column  San Onofre Nuclear Generating Station, Unit 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.
San Onofre 3	Baseline Inspection	Licensee Response Column
South Texas 1	Baseline Inspection	Licensee Response Column
South Texas 2	Baseline Inspection	Licensee Response Column
Waterford 3	Baseline Inspection	Licensee Response Column
Wolf Creek 1	Baseline Inspection	Licensee Response Column

### ▲ 3Q/2009 Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Arkansas Nuclear 1</a>	<a href="#">Ginna</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 1</a>			
<a href="#">Beaver Valley 2</a>	<a href="#">Brunswick 2</a>			
<a href="#">Braidwood 1</a>	<a href="#">Calvert Cliffs 1</a>			
<a href="#">Braidwood 2</a>	<a href="#">Calvert Cliffs 2</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Columbia Generating Station</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Dresden 3</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Duane Arnold</a>			
<a href="#">Byron 1</a>	<a href="#">Farley 1</a>			
<a href="#">Byron 2</a>	<a href="#">Farley 2</a>			
<a href="#">Callaway</a>	<a href="#">Hatch 1</a>			
<a href="#">Catawba 1</a>	<a href="#">Hatch 2</a>			
<a href="#">Catawba 2</a>	<a href="#">Indian Point 3</a>			
<a href="#">Clinton</a>	<a href="#">McGuire 1</a>			
<a href="#">Comanche Peak 1</a>	<a href="#">McGuire 2</a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Nine Mile Point 2</a>			
<a href="#">Cooper</a>	<a href="#">Oconee 1</a>			
<a href="#">Crystal River 3</a>	<a href="#">Oyster Creek</a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Palisades</a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Prairie Island 1</a>			
<a href="#">Davis-Besse</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">San Onofre 2</a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Seabrook 1</a>			
<a href="#">Dresden 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 2</a>				
<a href="#">Kewaunee</a>				

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Monticello](#)

[Nine Mile Point 1](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 2](#)

[Oconee 3](#)

[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](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[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 3](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)  
[Wolf Creek 1](#)

[▲ Top of Page](#)

---

*Last modification: Nov 20, 2009*