

There was no Action Matrix Summary for 2000Q1. Full implementation of the Reactor Oversight Process (ROP) commenced on April 1, 2000.

**2Q/2000 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
Arkansas Nuclear 1	Calvert Cliffs 1	Farley 2	Indian Point 2	
Arkansas Nuclear 2	Dresden 2	Kewaunee		
Beaver Valley 1	Dresden 3	Quad Cities 1		
Beaver Valley 2	Farley 1			
Braidwood 1	Fitzpatrick			
Braidwood 2	Ginna			
Browns Ferry 2	Harris 1			
Browns Ferry 3	Millstone 2			
Brunswick 1	Oconee 1			
Brunswick 2	Palo Verde 3			
Byron 1	Peach Bottom 2			
Byron 2	Peach Bottom 3			
Callaway	Point Beach 1			
Calvert Cliffs 2	Point Beach 2			
Catawba 1	Quad Cities 2			
Catawba 2	Salem 1			
Clinton	Salem 2			
Columbia Generating Station				
Comanche Peak 1				
Comanche Peak 2				
Cooper				
Crystal River 3				
Davis-Besse				
D.C. Cook 1				
D.C. Cook 2				
Diablo Canyon 1				
Diablo Canyon 2				
Duane Arnold				
Fermi 2				
Fort Calhoun				
Grand Gulf				
Hatch 1				
Hatch 2				
Hope Creek 1				
Indian Point 3				
La Salle 1				
La Salle 2				
Limerick 1				
Limerick 2				
McGuire 1				
McGuire 2				
Millstone 3				
Monticello				
Nine Mile Point 1				
Nine Mile Point 2				
North Anna 1				
North Anna 2				
Oconee 2				
Oconee 3				
Oyster Creek				
Palisades				
Palo Verde 1				
Palo Verde 2				
Perry 1				

Pilgrim 1  
Prairie Island 1  
Prairie Island 2  
River Bend 1  
Robinson 2  
Saint Lucie 1  
Saint Lucie 2  
San Onofre 2  
San Onofre 3  
Seabrook 1  
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

**3Q/2000 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
Arkansas Nuclear 1	Calvert Cliffs 1	Farley 2	Indian Point 2	
Arkansas Nuclear 2	Crystal River 3	Kewaunee		
Beaver Valley 1	Dresden 2	Millstone 2		
Beaver Valley 2	Dresden 3	Quad Cities 1		
Braidwood 1	Farley 1			
Braidwood 2	Fitzpatrick			
Browns Ferry 2	Ginna			
Browns Ferry 3	Harris 1			
Brunswick 1	Oconee 1			
Brunswick 2	Palisades			
Byron 1	Palo Verde 3			
Byron 2	Peach Bottom 2			
Callaway	Peach Bottom 3			
Calvert Cliffs 2	Point Beach 1			
Catawba 1	Point Beach 2			
Catawba 2	Quad Cities 2			
Clinton	Salem 1			
Columbia Generating Station	Salem 2			
Comanche Peak 1	Summer			
Comanche Peak 2				
Cooper				
Davis-Besse				
D.C. Cook 1				
D.C. Cook 2				
Diablo Canyon 1				
Diablo Canyon 2				
Duane Arnold				
Fermi 2				
Fort Calhoun				
Grand Gulf				
Hatch 1				
Hatch 2				
Hope Creek 1				
Indian Point 3				
La Salle 1				
La Salle 2				
Limerick 1				
Limerick 2				
McGuire 1				
McGuire 2				
Millstone 3				
Monticello				
Nine Mile Point 1				
Nine Mile Point 2				
North Anna 1				
North Anna 2				
Oconee 2				
Oconee 3				
Oyster Creek				
Palo Verde 1				
Palo Verde 2				
Perry 1				
Pilgrim 1				
Prairie Island 1				

Prairie Island 2  
River Bend 1  
Robinson 2  
Saint Lucie 1  
Saint Lucie 2  
San Onofre 2  
San Onofre 3  
Seabrook 1  
Sequoyah 1  
Sequoyah 2  
South Texas 1  
South Texas 2  
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

**4Q/2000 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Calvert Cliffs 1</a>	<a href="#">Callaway<sup>1</sup></a>	<a href="#">Indian Point 2</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Cooper<sup>2</sup></a>	<a href="#">Farley 2</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Farley 1</a>	<a href="#">Kewaunee</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">FitzPatrick</a>	<a href="#">Millstone 2</a>		
<a href="#">Braidwood 1</a>	<a href="#">Harris 1</a>	<a href="#">Quad Cities 1<sup>3</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Oconee 1</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Palo Verde 3</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Peach Bottom 2</a>			
<a href="#">Brunswick 1</a>	<a href="#">Peach Bottom 3</a>			
<a href="#">Brunswick 2</a>	<a href="#">Point Beach 1<sup>4</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Prairie Island 1<sup>5</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Prairie Island 2<sup>6</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Quad Cities 2<sup>7</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Salem 1<sup>8</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Salem 2</a>			
<a href="#">Clinton</a>	<a href="#">Summer<sup>9</sup></a>			
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3<sup>10</sup></a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Fermi 2</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna<sup>11</sup></a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				
<a href="#">McGuire 1</a>				
<a href="#">McGuire 2</a>				

[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek](#)  
[Palisades<sup>12</sup>](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[Point Beach 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[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](#)

- ▲ Note 1: Three inspection findings in the Occupational Radiation Safety cornerstone originated in 3Q/2000.
- ▲ Note 2: An inspection finding in the Emergency Preparedness cornerstone originated in 4Q/2000.
- ▲ Note 3: An inspection finding in the Occupational Radiation Safety cornerstone originated in 4Q/2000.
- ▲ Note 4: The "Scrams with Loss of Normal Heat Removal" performance indicator tripped the green/white threshold in 4Q/2000.
- ▲ Note 5: The "Residual Heat Removal System Unavailability" performance indicator tripped the green/white threshold in 4Q/2000.
- ▲ Note 6: The "High Pressure Injection System Unavailability" performance indicator tripped the green/white threshold in 4Q/2000.
- ▲ Note 7: An inspection finding in the Occupational Radiation Safety cornerstone originated in 4Q/2000. The "Safety System Functional Failures" performance indicator returned to the green band in 4Q/2000.

- ▲ Note 8: The "Unplanned Scrams" performance indicator tripped the green/white threshold in 4Q/2000.
  - ▲ Note 9: An inspection finding in the Mitigating Systems cornerstone originated in 3Q/2000.
  - ▲ Note 10: The "Reactor Coolant System Leakage" performance indicator returned to the green band in 4Q/2000.
  - ▲ Note 11: The "Alert and Notification System" performance indicator returned to the green band in 4Q/2000.
  - ▲ Note 12: The "Unplanned Power Changes" performance indicator returned to the green band in 4Q/2000.
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*Last modification: Mar 28, 2002*



**1Q/2001 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Calvert Cliffs 1</a>	<a href="#">Callaway</a>	<a href="#">Indian Point 2</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Cooper</a>	<a href="#">Kewaunee</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Fermi 2<sup>1</sup></a>	<a href="#">Millstone 2</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">FitzPatrick</a>			
<a href="#">Braidwood 1</a>	<a href="#">Harris 1<sup>2</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">North Anna 2<sup>3</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Oconee 1</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Point Beach 1</a>			
<a href="#">Brunswick 1</a>	<a href="#">Prairie Island 1<sup>4</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Prairie Island 2<sup>5</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Quad Cities 1<sup>6</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Quad Cities 2<sup>7</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Summer<sup>8</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Susquehanna 1<sup>9</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Susquehanna 2<sup>10</sup></a>			
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1<sup>11</sup></a>				
<a href="#">Farley 2<sup>12</sup></a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				
<a href="#">McGuire 1</a>				

[McGuire 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek](#)  
[Palisades](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3<sup>13</sup>](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[Point Beach 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1<sup>14</sup>](#)  
[Salem 2<sup>15</sup>](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Surry 1](#)  
[Surry 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](#)

- ▲ Note 1: The "Emergency AC Power System Unavailability" performance indicator tripped the green/white threshold in 1Q/2001.
- ▲ Note 2: The white "High Pressure injection System Unavailability" performance indicator and white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 3: The "Reactor Coolant System Leakage" performance indicator tripped the green/white threshold in 1Q/2001.
- ▲ Note 4: The white performance indicators and the white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 5: The white performance indicators and the white inspection finding represent the same underlying issue and are not double-counted in the assessment program.

- ▲ Note 6: The "High Pressure Injection System Unavailability" performance indicator returned to the green band in 1Q/2001. Additionally, a white inspection finding in the physical protection cornerstone originated in 2Q/2000.
  - ▲ Note 7: A white inspection finding originated in the physical protection cornerstone in 2Q/2000.
  - ▲ Note 8: The white "Heat Removal System Unavailability" performance indicator and white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
  - ▲ Note 9: A white inspection finding in the occupational radiation safety cornerstone originated in 4Q/2000.
  - ▲ Note 10: A white inspection finding in the occupational radiation safety cornerstone originated in 4Q/2000.
  - ▲ Note 11: The "Emergency AC Power System Unavailability" performance indicator returned to the green band in 1Q/2001.
  - ▲ Note 12: The "Emergency AC Power System Unavailability" and "Heat Removal System Unavailability" performance indicators returned to the green band in 1Q/2001.
  - ▲ Note 13: The "High Pressure Injection System Unavailability" performance indicator returned to the green band in 1Q/2001.
  - ▲ Note 14: The "Unplanned Scrams" performance indicator returned to the green band in 1Q/2001. Additionally, the white inspection finding in the mitigating systems cornerstone has completed its required four quarters of consideration in the assessment program.
  - ▲ Note 15: The white inspection finding in the mitigating systems cornerstone has completed its required four quarters of consideration in the assessment program.
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*Last modification: Mar 28, 2002*

**2Q/2001 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Calvert Cliffs 1</a>	<a href="#">Callaway</a>	<a href="#">Indian Point 2</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Cooper</a>	<a href="#">Millstone 2</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Crystal River 3<sup>1</sup></a>	<a href="#">Oconee 1<sup>2</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Farley 1<sup>3</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Farley 2<sup>4</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Fermi 2</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">FitzPatrick</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Harris 1<sup>5</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Kewaunee<sup>6</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Oconee 2<sup>7</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Oconee 3<sup>8</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Point Beach 1</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Point Beach 2<sup>9</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Prairie Island 1</a>			
<a href="#">Catawba 2</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Clinton</a>	<a href="#">Quad Cities 1</a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Quad Cities 2</a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Seabrook 1<sup>10</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Summer<sup>11</sup></a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Susquehanna 1</a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Susquehanna 2</a>			
<a href="#">Davis-Besse</a>	<a href="#">Three Mile Island 1<sup>12</sup></a>			
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				
<a href="#">McGuire 1</a>				
<a href="#">McGuire 2</a>				

[Millstone 3<sup>13</sup>](#)[Monticello](#)[Nine Mile Point 1](#)[Nine Mile Point 2](#)[North Anna 1](#)[North Anna 2<sup>14</sup>](#)[Oyster Creek](#)[Palisades](#)[Palo Verde 1](#)[Palo Verde 2](#)[Palo Verde 3](#)[Peach Bottom 2](#)[Peach Bottom 3](#)[Perry 1](#)[Pilgrim 1](#)[River Bend 1](#)[Robinson 2](#)[Saint Lucie 1](#)[Saint Lucie 2](#)[Salem 1](#)[Salem 2](#)[San Onofre 2](#)[San Onofre 3](#)[Sequoyah 1](#)[Sequoyah 2](#)[South Texas 1](#)[South Texas 2](#)[Surry 1](#)[Surry 2](#)[Turkey Point 3](#)[Turkey Point 4](#)[Vermont Yankee](#)[Vogtle 1](#)[Vogtle 2](#)[Waterford 3](#)[Watts Bar 1](#)[Wolf Creek 1](#)

- ▲ Note 1: The "Reactor Coolant System Leakage" performance indicator tripped the green/white threshold in 2Q/2001.
- ▲ Note 2: A white inspection finding in the mitigating systems cornerstone originated in 1Q/2001.
- ▲ Note 3: A white inspection finding in the physical protection cornerstone originated in 3Q/2000.
- ▲ Note 4: A white inspection finding in the physical protection cornerstone originated in 3Q/2000.
- ▲ Note 5: The white "High Pressure Injection System Unavailability " performance indicator and white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 6: The corrective actions for the yellow inspection finding have been adequately addressed and are no longer counted in the assessment program.
- ▲ Note 7: A white inspection finding in the mitigating systems cornerstone originated in 1Q/2001.
- ▲ Note 8: A white inspection finding in the mitigating systems cornerstone originated in 1Q/2001.

- ▲ Note 9: The "Unplanned Scrams" performance indicator tripped the green/white threshold in 2Q/2001.
  - ▲ Note 10: An inspection finding in the mitigating systems cornerstone originated in 1Q/2001.
  - ▲ Note 11: The white "Heat Removal System Unavailability" performance indicator and white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
  - ▲ Note 12: A white inspection finding originated in the mitigating systems cornerstone in 1Q/2001.
  - ▲ Note 13: The "High Pressure Injection System Unavailability" performance indicator tripped the green/white threshold in 2Q/2001. The licensee submitted a change to this PI on 09/18/01 which caused the PI to return to the green band.
  - ▲ Note 14: The "Reactor Coolant System Leakage" performance indicator returned to the green band in 2Q/2001.
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*Last modification: Mar 27, 2002*

**3Q/2001 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

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<a href="#">Arkansas Nuclear 1</a>	<a href="#">Callaway<sup>1</sup></a>	<a href="#">Calvert Cliffs 1<sup>2</sup></a>	<a href="#">Indian Point 2<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Clinton<sup>4</sup></a>	<a href="#">Cooper<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Fermi 2<sup>6</sup></a>	<a href="#">Oconee 1<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Harris 1</a>			
<a href="#">Braidwood 1</a>	<a href="#">La Salle 2<sup>8</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Limerick 1<sup>9</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Limerick 2<sup>10</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Oconee 2</a>			
<a href="#">Brunswick 1</a>	<a href="#">Oconee 3</a>			
<a href="#">Brunswick 2</a>	<a href="#">Oyster Creek<sup>11</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Palisades<sup>12</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Peach Bottom 2<sup>13</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Peach Bottom 3<sup>14</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Point Beach 1</a>			
<a href="#">Catawba 2</a>	<a href="#">Point Beach 2</a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Prairie Island 1</a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Quad Cities 1</a>			
<a href="#">Crystal River 3<sup>15</sup></a>	<a href="#">Quad Cities 2</a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Seabrook 1</a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Summer</a>			
<a href="#">Davis-Besse</a>	<a href="#">Surry 2<sup>16</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Susquehanna 1<sup>17</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Susquehanna 2<sup>18</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Three Mile Island 1</a>			
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1<sup>19</sup></a>				
<a href="#">Farley 2<sup>20</sup></a>				
<a href="#">FitzPatrick<sup>21</sup></a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">Kewaunee<sup>22</sup></a>				
<a href="#">La Salle 1</a>				

[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2<sup>23</sup>](#)  
[Millstone 3<sup>24</sup>](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Surry 1](#)  
[Turkey Point 3](#)  
[Turkey Point 4](#)  
[Vermont Yankee](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Waterford 3](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: The three white inspection findings in the Occupational Radiation Safety cornerstone has completed four quarters of consideration in the assessment program. Additionally, an inspection finding originated in the Mitigating Systems cornerstone in 2Q/2001.
- ▲ Note 2: A yellow inspection finding originated in the Mitigating Systems cornerstone in 3Q/2001.
- ▲ Note 3: In accordance with IMC 0305 "Operating Reactor Assessment Program", the red finding in the Initiating Events cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 4: A white inspection finding originated in the Emergency Preparedness cornerstone in 2Q/2001
- ▲ Note 5: A second white finding originated in the Emergency Preparedness cornerstone in 2Q/2001.
- ▲ Note 6: The white " Emergency AC Power Sytem Unavailability" performance indicator and white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 7: In accordance with IMC 0305 "Operating Reactor Assessment Program", the first white finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 8: The "Unplanned Scrams" performance indicator tripped the green/white threshold in 3Q/2001.
- ▲ Note 9: A white inspection finding originated in the Emergency Preparedness cornerstone in 3Q/2001.



- ▲ Note 10: A white inspection finding originated in the Emergency Preparedness cornerstone in 3Q/2001.
- ▲ Note 11: A white inspection finding in the Physical Protection cornerstone originated in 2Q/2001. In accordance with IMC 0609 "Significance Determination Process", the licensee is appealing the results of this determination.
- ▲ Note 12: A white inspection finding in the Mitigating Systems cornerstone originated in 3Q/2001.
- ▲ Note 13: A white inspection finding in the Emergency Preparedness cornerstone originated in 3Q/2001.
- ▲ Note 14: A white inspection finding in the Emergency Preparedness cornerstone originated in 3Q/2001.
- ▲ Note 15: The "Reactor Coolant System Leakage " performance indicator returned to the green band in 3Q/2001.
- ▲ Note 16: The "Emergency AC Power Unavailability" performance indicator tripped the green/white threshold in 3Q/2001.
- ▲ Note 17: A white inspection finding in the Emergency Preparedness cornerstone originated in 3Q/2001.
- ▲ Note 18: A white inspection finding in the Emergency Preparedness cornerstone originated in 3Q/2001.
- ▲ Note 19: A white inspection finding in the Physical Protection cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 20: A white inspection finding in the Physical Protection cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 21: The "Unplanned Power Changes" performance indicator returned to the green band in 3Q/2001.
- ▲ Note 22: The white inspection finding in the Emergency Preparedness cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 23: The "High Pressure Injection System Unavailability" performance indicator returned to the green band in 3Q/2001. Additionally, the white inspection finding in the mitigating systems cornerstone completed four quarters of consideration in the assessment program.
- ▲ Note 24: The "High Pressure Injection System Unavailability" performance indicator returned to the green band in 3Q/2001.

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*Last modification: Mar 26, 2002*

**4Q/2001 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Braidwood 1<sup>1</sup></a>	<a href="#">Calvert Cliffs 1</a>	<a href="#">Indian Point 2<sup>2</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Callaway</a>	<a href="#">Columbia Generating Station<sup>3</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Clinton</a>	<a href="#">Cooper</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Fermi 2<sup>4</sup></a>	<a href="#">Oconee 1<sup>5</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Kewaunee</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">La Salle 2</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Limerick 1</a>			
<a href="#">Brunswick 1</a>	<a href="#">Limerick 2</a>			
<a href="#">Brunswick 2</a>	<a href="#">Nine Mile Point 1<sup>6</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Nine Mile Point 2<sup>7</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Oconee 2</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Oconee 3</a>			
<a href="#">Catawba 1</a>	<a href="#">Oyster Creek</a>			
<a href="#">Catawba 2</a>	<a href="#">Palisades</a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Peach Bottom 2</a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Peach Bottom 3</a>			
<a href="#">Crystal River 3</a>	<a href="#">Point Beach 1</a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Prairie Island 1<sup>8</sup></a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Prairie Island 2<sup>9</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Seabrook 1</a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Surry 1<sup>10</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Surry 2<sup>11</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Susquehanna 1</a>			
<a href="#">Dresden 3</a>	<a href="#">Susquehanna 2</a>			
<a href="#">Duane Arnold</a>	<a href="#">Three Mile Island 1</a>			
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1<sup>12</sup></a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1</a>				
<a href="#">McGuire 1</a>				
<a href="#">McGuire 2</a>				
<a href="#">Millstone 2</a>				
<a href="#">Millstone 3</a>				
<a href="#">Monticello</a>				
<a href="#">North Anna 1</a>				
<a href="#">North Anna 2</a>				
<a href="#">Palo Verde 1</a>				
<a href="#">Palo Verde 2</a>				

[Palo Verde 3](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[Point Beach 2<sup>13</sup>](#)  
[Quad Cities 1<sup>14</sup>](#)  
[Quad Cities 2<sup>15</sup>](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer<sup>16</sup>](#)  
[Turkey Point 3](#)  
[Turkey Point 4](#)  
[Vermont Yankee](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Waterford 3](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: The "Heat Removal System Unavailability" performance indicator tripped the green/white threshold in 4Q/2001.
  - ▲ Note 2: In accordance with IMC 0305 "Operating Reactor Assessment Program", the red inspection finding in the Initiating Events cornerstone has been carried forward in the assessment program for greater than four quarters.
  - ▲ Note 3: A yellow inspection finding in the Emergency Preparedness cornerstone originated in 3Q/2001.
  - ▲ Note 4: The white "Emergency AC Power Unavailability" performance indicator and the white inspection finding represent the same underlying issue and are not double-counted in the assessment program.
  - ▲ Note 5: In accordance with IMC 0305 "Operating Reactor Assessment Program", the first white inspection finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
  - ▲ Note 6: The "High Pressure Injection System Unavailability" tripped the green/white threshold in 4Q/2001.
  - ▲ Note 7: The "Unplanned Scrams" performance indicator tripped the green/white threshold in 4Q/2001.
  - ▲ Note 8: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
  - ▲ Note 9: In accordance with IMC 0305 "Operating Reactor Assessment program, the white inspection finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
  - ▲ Note 10: A white inspection finding in the Mitigating Systems cornerstone originated in 3Q/2001.
  - ▲ Note 11: A white inspection finding in the Mitigating Systems cornerstone originated in 3Q/2001. This performance indicator and a previous white inspection finding in the same cornerstone represent the same underlying issue and are not double-counted in the assessment program.
  - ▲ Note 12: The "High Pressure Injection System Unavailability" returned to the green band in 4Q/2001.
  - ▲ Note 13: The "Unplanned Scrams" performance indicator returned to the green band in 4Q/2001.
  - ▲ Note 14: A white inspection finding in the Occupational Radiation Safety cornerstone has completed four quarters of consideration in the assessment program.
  - ▲ Note 15: A white inspection finding in the Occupational Radiation Safety cornerstone has completed four quarters of consideration in the assessment program.
  - ▲ Note 16: The "Heat Removal System Unavailability" performance indicator returned to the green band in 4Q/2001.
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**1Q/2002 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">Calvert Cliffs 1<sup>2</sup></a>	<a href="#">Indian Point 2<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">Columbia Generating Station<sup>5</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1</a>	<a href="#">Cooper<sup>6</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Callaway</a>	<a href="#">Vermont Yankee<sup>7</sup></a>		
<a href="#">Browns Ferry 3</a>	<a href="#">Clinton</a>			
<a href="#">Brunswick 1</a>	<a href="#">Comanche Peak 1<sup>8</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Comanche Peak 2<sup>9</sup></a>			
<a href="#">Byron 1</a>	<a href="#">D.C. Cook 2<sup>10</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Fermi 2</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Harris 1<sup>11</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">La Salle 2</a>			
<a href="#">Catawba 2</a>	<a href="#">Limerick 1</a>			
<a href="#">Crystal River 3</a>	<a href="#">Limerick 2</a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Nine Mile Point 1</a>			
<a href="#">Davis-Besse</a>	<a href="#">Nine Mile Point 2</a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Oconee 1<sup>12</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Oyster Creek</a>			
<a href="#">Dresden 2</a>	<a href="#">Palisades</a>			
<a href="#">Dresden 3</a>	<a href="#">Peach Bottom 2</a>			
<a href="#">Duane Arnold</a>	<a href="#">Peach Bottom 3</a>			
<a href="#">Farley 1</a>	<a href="#">Point Beach 1<sup>13</sup></a>			
<a href="#">Farley 2</a>	<a href="#">Prairie Island 1<sup>14</sup></a>			
<a href="#">FitzPatrick</a>	<a href="#">Prairie Island 2<sup>15</sup></a>			
<a href="#">Fort Calhoun</a>	<a href="#">Salem 1<sup>16</sup></a>			
<a href="#">Ginna</a>	<a href="#">Surry 1</a>			
<a href="#">Grand Gulf 1</a>	<a href="#">Surry 2<sup>17</sup></a>			
<a href="#">Hatch 1</a>	<a href="#">Susquehanna 1</a>			
<a href="#">Hatch 2</a>	<a href="#">Susquehanna 2</a>			
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">Kewaunee<sup>18</sup></a>				
<a href="#">La Salle 1</a>				
<a href="#">McGuire 1</a>				
<a href="#">McGuire 2</a>				
<a href="#">Millstone 2</a>				
<a href="#">Millstone 3</a>				
<a href="#">Monticello</a>				
<a href="#">North Anna 1</a>				
<a href="#">North Anna 2</a>				

[Oconee 2<sup>19</sup>](#)[Oconee 3<sup>20</sup>](#)[Palo Verde 1](#)[Palo Verde 2](#)[Palo Verde 3](#)[Perry 1](#)[Pilgrim 1](#)[Point Beach 2<sup>21</sup>](#)[Quad Cities 1](#)[Quad Cities 2](#)[River Bend 1](#)[Robinson 2](#)[Saint Lucie 1](#)[Saint Lucie 2](#)[Salem 2](#)[San Onofre 2](#)[San Onofre 3](#)[Seabrook 1<sup>22</sup>](#)[Sequoyah 1](#)[Sequoyah 2](#)[South Texas 1](#)[South Texas 2](#)[Summer](#)[Three Mile Island 1<sup>23</sup>](#)[Turkey Point 3](#)[Turkey Point 4](#)[Vogtle 1](#)[Vogtle 2](#)[Waterford 3](#)[Watts Bar 1](#)[Wolf Creek 1](#)

- ▲ Note 1: A white inspection finding originated in the Emergency Preparedness cornerstone in 1Q/2002.
- ▲ Note 2: The "Scrams With Loss Of Normal Heat Removal" performance indicator tripped the green/white threshold in 1Q/2002.
- ▲ Note 3: In accordance with IMC 0305 "Operating Reactor Assessment Program", the red inspection finding in the Initiating Events cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 4: A white inspection finding originated in the Emergency Preparedness cornerstone in 1Q/2002.
- ▲ Note 5: A yellow inspection finding in the Emergency Preparedness cornerstone originated in 3Q/2001.
- ▲ Note 6: Two additional white inspection findings in the Emergency Preparedness cornerstone originated in 3Q/2001. Cooper will enter the Multiple/Repetitive Degraded cornerstone in 2Q/2002 due to five consecutive quarters in the Degraded Cornerstone column of the Action Matrix.
- ▲ Note 7: A yellow inspection finding originated in the Physical Protection cornerstone in 3Q/2001.
- ▲ Note 8: A white inspection finding in the Public Radiation Safety cornerstone originated in 4Q/2001.
- ▲ Note 9: A white inspection finding in the Public Radiation Safety cornerstone originated in 4Q/2001.
- ▲ Note 10: A white inspection finding in the Mitigating Systems cornerstone originated in 1Q/2002.
- ▲ Note 11: A white inspection finding in the Mitigating Systems cornerstone originated in 4Q/2001.
- ▲

- Note 12: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 13: A red inspection finding in the Mitigating Systems cornerstone originated in 4Q/2001. This finding is being considered for treatment as an old design issue in accordance with IMC 0305.
- ▲ Note 14: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 15: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the Mitigating Systems cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 16: The "Unplanned Power Changes" performance indicator tripped the green/white threshold in 1Q/2002.
- ▲ Note 17: The "Emergency AC Power Unavailability" performance indicator tripped the green/white threshold in 1Q/2002.
- ▲ Note 18: The white inspection finding in the Emergency Preparedness cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 19: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white finding in the Mitigating Systems cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 20: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white finding in the Mitigating Systems cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 21: A red inspection finding in the Mitigating Systems cornerstone originated in 4Q/2001. This finding is being considered for treatment as an old design issue in accordance with IMC 0305.
- ▲ Note 22: The white inspection finding in the Mitigating Systems cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 23: The white inspection finding in the Mitigating Systems cornerstone has completed four quarters of consideration in the assessment program.

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*Last modification: Jul 23, 2002*

## 2Q/2002 ROP Action Matrix Summary

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. Note that [Davis-Besse](#) is under the IMC 0350 process and is therefore not reflected in the action matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1</a>	<a href="#">Braidwood 1<sup>1</sup></a>	<a href="#">Cooper<sup>2</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2</a>	<a href="#">Calvert Cliffs 1</a>	<a href="#">Indian Point 2<sup>3</sup></a>	
<a href="#">Braidwood 2</a>	<a href="#">Callaway</a>	<a href="#">Columbia Generating Station</a>	<a href="#">Oconee 1<sup>4</sup></a>	
<a href="#">Browns Ferry 2</a>	<a href="#">Calvert Cliffs 2<sup>5</sup></a>	<a href="#">Harris 1<sup>6</sup></a>		
<a href="#">Browns Ferry 3</a>	<a href="#">Comanche Peak 1</a>	<a href="#">Vermont Yankee</a>		
<a href="#">Brunswick 1</a>	<a href="#">Comanche Peak 2</a>			
<a href="#">Brunswick 2</a>	<a href="#">D.C. Cook 2</a>			
<a href="#">Byron 1</a>	<a href="#">Limerick 1</a>			
<a href="#">Byron 2</a>	<a href="#">Limerick 2</a>			
<a href="#">Catawba 1</a>	<a href="#">Nine Mile Point 1</a>			
<a href="#">Catawba 2</a>	<a href="#">Palisades</a>			
<a href="#">Clinton<sup>7</sup></a>	<a href="#">Peach Bottom 2</a>			
<a href="#">Crystal River 3</a>	<a href="#">Peach Bottom 3</a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Point Beach 2<sup>8</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Prairie Island 1<sup>9</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Prairie Island 2<sup>10</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Salem 1</a>			
<a href="#">Dresden 2</a>	<a href="#">Surry 1<sup>11</sup></a>			
<a href="#">Dresden 3</a>	<a href="#">Surry 2<sup>12</sup></a>			
<a href="#">Duane Arnold</a>	<a href="#">Susquehanna 1<sup>13</sup></a>			
<a href="#">Farley 1</a>	<a href="#">Susquehanna 2<sup>14</sup></a>			
<a href="#">Farley 2</a>				
<a href="#">Fermi 2<sup>15</sup></a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				



[Grand Gulf 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 3](#)  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2<sup>16</sup>](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 2<sup>17</sup>](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek<sup>18</sup>](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[Point Beach 1<sup>19</sup>](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Three Mile Island 1](#)

[Turkey Point 3](#)

[Turkey Point 4](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

- ▲ Note 1: A second white finding in the mitigating systems cornerstone originated in 1Q/2002.
- ▲ Note 2: Cooper has moved to this column of the Action Matrix due to five consecutive quarters in the degraded cornerstone column of the Action Matrix.
- ▲ Note 3: In accordance with IMC 0305 "Operating Reactor Assessment Program", the red inspection finding in the initiating events cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 4: In accordance with IMC 0305, "Operating Reactor Assessment Program," the staff plans to deviate from the Action Matrix and implement the regulatory actions described in the degraded cornerstone column as noted in the [assessment followup letter](#) dated October 9, 2002. Oconee Unit 1 moved to the multiple/repetitive degraded cornerstone column of the Action Matrix due to five consecutive quarters in the degraded cornerstone column of the Action Matrix. In accordance with IMC 0305, the white inspection finding in the mitigating systems cornerstone has been carried forward in the assessment program for greater than four quarters. Additionally, as a result of a performance indicator (PI) change submittal on August 13, 2002, the "Heat Removal System Unavailability" PI is in the white band from 1Q/2001 to present.
- ▲ Note 5: A white inspection finding in the public radiation safety cornerstone originated in 2Q/2002.
- ▲ Note 6: A second white finding in the mitigating systems cornerstone originated in 2Q/2002.
- ▲ Note 7: The white inspection finding in the emergency preparedness cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 8: A white inspection finding in the mitigating systems cornerstone originated in 1Q/2002. Additionally, a red inspection finding in the mitigating systems cornerstone originated in 4Q/2001. This finding is being considered for treatment as an old design issue in accordance with IMC 0305.
- ▲ Note 9: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the mitigating systems cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 10: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the mitigating systems cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 11: The licensee submitted a change report on the Emergency AC Power System Unavailability performance indicator which caused the PI to cross the green/white threshold. This PI and the white inspection finding in the mitigating systems cornerstone represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 12: The white performance indicator and inspection finding in the mitigating systems cornerstone represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 13: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the emergency preparedness cornerstone has been carried forward in the assessment program for greater than four quarters.

- ▲ Note 14: In accordance with IMC 0305 "Operating Reactor Assessment Program", the white inspection finding in the emergency preparedness cornerstone has been carried forward in the assessment program for greater than four quarters.
  - ▲ Note 15: A white inspection finding in the mitigating systems cornerstone has completed four quarters of consideration in the assessment program.
  - ▲ Note 16: The "Unplanned Scrams" performance indicator returned to the green band in 2Q/2002.
  - ▲ Note 17: The "Unplanned Scrams" performance indicator returned to the green band in 2Q/2002.
  - ▲ Note 18: The white inspection finding in the physical protection cornerstone has completed four quarters of consideration in the assessment program.
  - ▲ Note 19: The "Scrams With Loss Of Heat Removal" performance indicator returned to the green band in 2Q/2002. Additionally, a red inspection finding in the mitigating systems cornerstone originated in 4Q/2001. This finding is being considered for treatment as an old design issue in accordance with IMC 0305.
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*Last modification: Oct 10, 2002*

### 3Q/2002 ROP Action Matrix Summary

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the action matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1</a>	<a href="#">D.C. Cook 2<sup>1</sup></a>	<a href="#">Cooper<sup>2</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2</a>	<a href="#">Harris 1<sup>3</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1<sup>4</sup></a>	<a href="#">Indian Point 2<sup>5</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Callaway</a>	<a href="#">Vermont Yankee<sup>6</sup></a>		
<a href="#">Browns Ferry 3</a>	<a href="#">Calvert Cliffs 1<sup>7</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Calvert Cliffs 2<sup>8</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Columbia Generating Station<sup>9</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Comanche Peak 1</a>			
<a href="#">Byron 2</a>	<a href="#">Comanche Peak 2</a>			
<a href="#">Catawba 1</a>	<a href="#">D.C. Cook 1<sup>10</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Fort Calhoun<sup>11</sup></a>			
<a href="#">Clinton</a>	<a href="#">Ginna<sup>12</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Limerick 2<sup>13</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Oconee 1<sup>14</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Point Beach 1<sup>15</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Point Beach 2<sup>16</sup></a>			
<a href="#">Dresden 3</a>	<a href="#">River Bend 1<sup>17</sup></a>			
<a href="#">Duane Arnold</a>	<a href="#">Surry 1<sup>18</sup></a>			
<a href="#">Farley 1</a>	<a href="#">Surry 2<sup>19</sup></a>			
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">Kewaunee</a>				

[La Salle 1](#)[La Salle 2](#)[Limerick 1<sup>20</sup>](#)[McGuire 1](#)[McGuire 2](#)[Millstone 2](#)[Millstone 3](#)[Monticello](#)[Nine Mile Point 1<sup>21</sup>](#)[Nine Mile Point 2](#)[North Anna 1](#)[North Anna 2](#)[Oconee 2](#)[Oconee 3](#)[Oyster Creek](#)[Palisades<sup>22</sup>](#)[Palo Verde 1](#)[Palo Verde 2](#)[Palo Verde 3](#)[Peach Bottom 2<sup>23</sup>](#)[Peach Bottom 3<sup>24</sup>](#)[Perry 1](#)[Pilgrim 1](#)[Prairie Island 1<sup>25</sup>](#)[Prairie Island 2<sup>26</sup>](#)[Quad Cities 1](#)[Quad Cities 2](#)[Robinson 2](#)[Saint Lucie 1](#)[Saint Lucie 2](#)[Salem 1<sup>27</sup>](#)[Salem 2](#)[San Onofre 2](#)[San Onofre 3](#)[Seabrook 1](#)[Sequoyah 1](#)[Sequoyah 2](#)[South Texas 1](#)[South Texas 2](#)[Summer](#)[Susquehanna 1<sup>28</sup>](#)[Susquehanna 2<sup>29</sup>](#)[Three Mile Island 1](#)

[Turkey Point 3](#)[Turkey Point 4](#)[Vogtle 1](#)[Vogtle 2](#)[Waterford 3](#)[Watts Bar 1](#)[Wolf Creek 1](#)

- ▲ Note 1: A white inspection finding in the mitigating systems cornerstone originated in 1Q02. A second white inspection finding in the mitigating systems cornerstone originated in 2Q02.
- ▲ Note 2: Cooper is in the multiple/repetitive degraded cornerstone column of the Action Matrix due to five consecutive quarters in the degraded cornerstone column.
- ▲ Note 3: The "Unplanned Scrams" performance indicator tripped the green/white threshold in 3Q/2002.
- ▲ Note 4: The "Heat Removal System Unavailability" performance indicator returned to the green band in 3Q/2002.
- ▲ Note 5: The red inspection finding in the initiating events cornerstone has been closed and is no longer considered in the assessment program.
- ▲ Note 6: In accordance with IMC 0305, the yellow inspection finding in the physical protection cornerstone has been carried forward in the assessment program for greater than four quarters.
- ▲ Note 7: A white inspection finding in the emergency preparedness cornerstone originated in 3Q/2002. The "Scrams with Loss of Normal Heat Removal" and "Heat Removal System Unavailability" performance indicators returned to the green band in 3Q/2002. The yellow inspection finding in the mitigating systems cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 8: A white inspection finding in the emergency preparedness cornerstone originated in 3Q02.
- ▲ Note 9: The yellow inspection finding in the emergency preparedness cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 10: A white inspection finding in the mitigating systems cornerstone originated in 2Q02.
- ▲ Note 11: A white inspection finding in the public radiation safety cornerstone originated in 2Q02.
- ▲ Note 12: A white inspection finding in the emergency preparedness cornerstone originated in 2Q02.
- ▲ Note 13: The white inspection finding in the emergency preparedness cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note 14: A white inspection finding in the barrier integrity cornerstone originated in 2Q/2002. Additionally, a white inspection finding in the mitigating systems cornerstone is being considered for treatment as an old design issue in accordance with IMC 0305.
- ▲ Note 15: A red inspection finding in the mitigating systems cornerstone is being considered for treatment as an old design issue in accordance with IMC 0305. Additionally, a white inspection finding in the emergency preparedness cornerstone originated in 2Q/2002.
- ▲ Note 16: A red inspection finding in the mitigating systems cornerstone is being considered for treatment as an old design issue in accordance with IMC 0305. Additionally, a white inspection finding in the emergency preparedness cornerstone originated in 2Q/2002.
- ▲ Note 17: A white inspection finding in the emergency preparedness cornerstone originated in 1Q/2002.
- ▲ Note 18: The white inspection finding in the mitigating systems cornerstone has completed four quarters of consideration in the assessment program.
- ▲ Note The white inspection finding in the mitigating systems cornerstone has completed four quarters of

- 19: consideration in the assessment program.
- ▲ Note The white inspection finding in the emergency preparedness cornerstone has completed four quarters of  
20: consideration in the assessment program.
- ▲ Note The "High Pressure Injection System Unavailability" performance indicator returned to the green band in  
21: 3Q/2002.
- ▲ Note The white inspection finding in the mitigating systems cornerstone has completed four quarters of  
22: consideration in the assessment program.
- ▲ Note The white inspection finding in the emergency preparedness cornerstone has completed four quarters of  
23: consideration in the assessment program.
- ▲ Note The white inspection finding in the emergency preparedness cornerstone has completed four quarters of  
24: consideration in the assessment program.
- ▲ Note The white inspection finding in the mitigating systems cornerstone has completed four quarters of  
25: consideration in the assessment program.
- ▲ Note The white inspection finding in the mitigating systems cornerstone has completed four quarters of  
26: consideration in the assessment program.
- ▲ Note The "Unplanned Power Changes" performance indicator returned to the green band in 3Q/2002.  
27:
- ▲ Note The white inspection finding in the emergency preparedness cornerstone has completed four quarters of  
28: consideration in the assessment program.
- ▲ Note The white inspection finding in the emergency preparedness cornerstone has completed four quarters of  
29: consideration in the assessment program.

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*Last modification: Dec 16, 2002*

**4Q/2002 ROP Action Matrix Summary**

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. Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">D.C. Cook 2<sup>2</sup></a>	<a href="#">Cooper<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">Indian Point 2<sup>5</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1<sup>6</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Callaway<sup>7</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Calvert Cliffs 1<sup>8</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Calvert Cliffs 2<sup>9</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Columbia Generating Station<sup>10</sup></a>			
<a href="#">Byron 1</a>	<a href="#">D.C. Cook 1<sup>11</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Dresden 3<sup>12</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Fort Calhoun<sup>13</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Ginna<sup>14</sup></a>			
<a href="#">Clinton</a>	<a href="#">Harris 1<sup>15</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Kewaunee<sup>16</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Oconee 1<sup>17</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Oconee 3<sup>18</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Peach Bottom 2<sup>19</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Peach Bottom 3<sup>20</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Perry 1<sup>21</sup></a>			
<a href="#">Duane Arnold</a>	<a href="#">Point Beach 1<sup>22</sup></a>			
<a href="#">Farley 1</a>	<a href="#">Point Beach 2<sup>23</sup></a>			
<a href="#">Farley 2</a>	<a href="#">River Bend 1<sup>24</sup></a>			
<a href="#">Fermi 2</a>	<a href="#">Sequoyah 2<sup>25</sup></a>			
<a href="#">FitzPatrick</a>	<a href="#">South Texas 2<sup>26</sup></a>			
<a href="#">Grand Gulf 1</a>	<a href="#">Surry 1<sup>27</sup></a>			
<a href="#">Hatch 1</a>	<a href="#">Surry 2<sup>28</sup></a>			
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				
<a href="#">McGuire 1</a>				
<a href="#">McGuire 2</a>				
<a href="#">Millstone 2</a>				
<a href="#">Millstone 3</a>				



[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 2](#)  
[Oyster Creek](#)  
[Palisades](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Pilgrim 1](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[South Texas 1](#)  
[Summer](#)  
[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](#)

- ▲ Note 1: Beaver Valley unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in the 1Q/2002.
- ▲ Note 2: DC Cook unit 2 is in the degraded cornerstone column due to two white inspection findings in the mitigating systems cornerstone originating in 1Q/2002 and 2Q/2002.
- ▲ Note 3: Cooper Nuclear Station is in the multiple/repetitive degraded cornerstone column due to three white inspection findings in the emergency preparedness cornerstone with one finding originating in 2Q/2001 and two findings originating in 3Q/2001. These findings are being held open for greater than four quarters in accordance with IMC 0305 because NRC supplemental inspections revealed that the licensee's root cause evaluation did not fully identify and assess all contributing causes of the inspection findings.
- ▲ Note 4: Beaver Valley unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in the 1Q/2002.
- ▲ Note 5: Indian Point 2 is in the degraded cornerstone column due to one white and one yellow inspection findings in the mitigating systems cornerstone. The white finding originated in 3Q/2002 and the yellow finding originated in 4Q/2001. The yellow finding was held open in accordance with IMC 0305 for greater than four quarters to allow for further observation and evaluation of operator training and requalification.
- ▲ Note 6: Braidwood unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems

cornerstone originating in 1Q/2002.

- ▲ Note 7: Callaway plant is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 1Q/2002.
- ▲ Note 8: Calvert Cliffs unit 1 is in the regulatory response column due to two white inspection findings. The white finding in the emergency preparedness cornerstone originated in 3Q/2002 and the white finding in the public radiation safety cornerstone originated in 2Q/2002.
- ▲ Note 9: Calvert Cliffs unit 2 is in the regulatory response column due to two white inspection findings. The white finding in the emergency preparedness cornerstone originated in 3Q/2002 and the white finding in the public radiation safety cornerstone originated in 2Q/2002.
- ▲ Note 10: Columbia Generating Station is in the regulatory response column due to a white finding in the mitigating systems cornerstone originating in 1Q/2002.
- ▲ Note 11: DC Cook unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2002.
- ▲ Note 12: Dresden unit 3 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.
- ▲ Note 13: Fort Calhoun station is in the regulatory response column due to one white inspection finding in the public radiation safety cornerstone originating in 2Q/2002.
- ▲ Note 14: Ginna is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2002.
- ▲ Note 15: Harris is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2002.
- ▲ Note 16: Kewaunee is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2002.
- ▲ Note 17: Oconee unit 1 is in the regulatory response column due to one white inspection finding in the barrier integrity cornerstone originating in 2Q/2002. Additionally, one white inspection finding in the mitigating systems cornerstone originating in 3Q/2002 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 18: Oconee unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2002.
- ▲ Note 19: Peach Bottom unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 3Q/2002.
- ▲ Note 20: Peach Bottom unit 3 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 3Q/2002.
- ▲ Note 21: Perry is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2002.
- ▲ Note 22: Point Beach unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2002. A red inspection finding in the mitigating systems cornerstone is being considered for treatment as an old design issue in accordance with IMC 0305. This finding may result in Point Beach unit 1 being in the multiple/repetitive degraded cornerstone column of the Action Matrix if the finding is determined not to be an old design issue.
- ▲ Note 23: Point Beach unit 2 is in the regulatory response column due to two white inspection findings in different cornerstones. One white inspection finding is in the emergency preparedness cornerstone and originated in 2Q/2002. The other white inspection finding is in the mitigating systems cornerstone and originated in 1Q/2002. A red inspection finding in the mitigating systems cornerstone is being considered for treatment as an old design issue in accordance with IMC 0305. This finding may result in Point Beach unit 2 being in the multiple/repetitive degraded cornerstone column of the Action Matrix if the finding is determined not to be an old design issue.
- ▲ Note 24: River Bend Station is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 1Q/2002.
- ▲ Note 25: Sequoyah unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 4Q/2002.
- ▲ Note 26: South Texas Project unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 4Q/2002.
- ▲ Note 27: Surry unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 4Q/2001.
- ▲ Note 28: Surry unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.

## 1Q/2003 ROP Action Matrix Summary

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. Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Calvert Cliffs 1<sup>1</sup></a>	<a href="#">D.C. Cook 2<sup>2</sup></a>	<a href="#">Cooper<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Calvert Cliffs 2<sup>4</sup></a>	<a href="#">Indian Point 2<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">D.C. Cook 1<sup>7</sup></a>		<a href="#">Point Beach 2<sup>8</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Dresden 3<sup>9</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Fort Calhoun<sup>10</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Ginna<sup>11</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Harris 1<sup>12</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Kewaunee<sup>13</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Nine Mile Point 1<sup>14</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Oconee 1<sup>15</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Oconee 3<sup>16</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Peach Bottom 2<sup>17</sup></a>			
<a href="#">Callaway</a>	<a href="#">Peach Bottom 3<sup>18</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Perry 1<sup>19</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">San Onofre 2<sup>20</sup></a>			
<a href="#">Clinton</a>	<a href="#">Sequoyah 2<sup>21</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">South Texas 2<sup>22</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Surry 1<sup>23</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Surry 2<sup>24</sup></a>			
<a href="#">Crystal River 3</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				

[Grand Gulf 1](#)[Hatch 1](#)[Hatch 2](#)[Hope Creek 1](#)[Indian Point 3](#)[La Salle 1](#)[La Salle 2](#)[Limerick 1](#)[Limerick 2](#)[McGuire 1](#)[McGuire 2](#)[Millstone 2](#)[Millstone 3](#)[Monticello](#)[Nine Mile Point 2](#)[North Anna 1](#)[North Anna 2](#)[Oconee 2](#)[Oyster Creek](#)[Palisades](#)[Palo Verde 1](#)[Palo Verde 2](#)[Palo Verde 3](#)[Pilgrim 1](#)[Prairie Island 1](#)[Prairie Island 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](#)[Seabrook 1](#)[Sequoyah 1](#)[South Texas 1](#)[Summer](#)[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](#)

- ▲ Note 1: Calvert Cliffs unit 1 is in the regulatory response column due to two white inspection findings. The finding in the emergency preparedness cornerstone originated in the 3Q/2002 and the white finding in the public radiation safety cornerstone originated in the 2Q/2002.
- ▲ Note 2: D.C. Cook unit 2 is in the degraded cornerstone column due to two white inspection findings in the mitigating systems cornerstone originating in the 1Q/2002 and 2Q/2002. The 1Q/2002 finding is being held open in accordance with IMC 0305 for greater than four quarters because the NRC supplemental inspection revealed that the licensee did not complete an adequate extent of condition evaluation for the two white findings.
- ▲ Note 3: Cooper Nuclear Station is in the multiple/repetitive degraded cornerstone column due to three white findings in the emergency preparedness cornerstone over a period of greater than four quarters. Cooper will remain in the multiple/repetitive degraded cornerstone column until 1) satisfactory completion of the actions listed in the January 30, 2003 confirmatory action letter and 2) NPPD has demonstrated sustained improvements in plant performance in accordance with IMC 0305.
- ▲ Note 4: Calvert Cliffs unit 2 is in the regulatory response column due to two white inspection findings. The finding in the emergency preparedness cornerstone originated in the 3Q/2002 and the white finding in the public radiation safety cornerstone originated in the 2Q/2002.
- ▲ Note 5: Indian Point 2 is in the degraded cornerstone column due to one white and one yellow inspection finding in the mitigating systems cornerstone. The white finding originated in the 3Q/2002 and the yellow finding originated in the 4Q/2001. The yellow finding has been held open in accordance with IMC 0305 for greater than four quarters to allow for observation of operator requalification exams.
- ▲ Note 6: Point Beach unit 1 is in the multiple/repetitive degraded cornerstone column due to one red inspection finding in the mitigating systems cornerstone originating in the 1Q/2002. This finding is being held open in accordance with IMC 0305 for greater than four quarters pending completion of an IP 95003 supplemental inspection.
- ▲ Note 7: D.C. Cook unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in the 2Q/2002.
- ▲ Note 8: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to one red inspection finding in the mitigating systems cornerstone originating in the 1Q/2002. This finding is being held open in accordance with IMC 0305 for greater than four quarters pending completion of an IP 95003 supplemental inspection.
- ▲ Note 9: Dresden unit 3 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in the 3Q/2001.
- ▲ Note 10: Fort Calhoun Station is in the regulatory response column due to one white inspection finding in the public radiation safety cornerstone originating in the 2Q/2002.
- ▲ Note 11: Ginna is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in the 3Q/2002.
- ▲ Note 12: Harris unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in the 2Q/2002.
- ▲ Note 13: Kewaunee is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in the 3Q/2002.
- ▲ Note 14: Nine Mile Point 1 is in the regulatory response column due to one white inspection finding in the

mitigating systems cornerstone originating in 1Q2003.

- ▲ Note 15: Oconee unit 1 is in the regulatory response column due to one white inspection finding in the barrier integrity cornerstone originating in the 2Q/2002. Additionally, one white inspection finding in the mitigating systems originating in the 3Q/2002 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 16: Oconee unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in the 4Q/2002.
- ▲ Note 17: Peach Bottom unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in the 3Q/2002.
- ▲ Note 18: Peach Bottom unit 3 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in the 3Q/2002.
- ▲ Note 19: Perry is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in the 4Q/2002.
- ▲ Note 20: San Onofre unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in the 1Q/2003.
- ▲ Note 21: Sequoyah unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in the 4Q/2002.
- ▲ Note 22: South Texas Project unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in the 4Q/2002.
- ▲ Note 23: Surry unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in the 4Q/2001.
- ▲ Note 24: Surry unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in the 3Q/2001.

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*Last modification: Jun 16, 2003*

## 2Q/2003 ROP Action Matrix Summary

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. Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">D.C. Cook 2<sup>2</sup></a>	<a href="#">Cooper<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>		<a href="#">Point Beach 1<sup>5</sup></a>	
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1<sup>6</sup></a>		<a href="#">Point Beach 2<sup>7</sup></a>	
<a href="#">Browns Ferry 2</a>	<a href="#">Callaway<sup>8</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Calvert Cliffs 1<sup>9</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Calvert Cliffs 2<sup>10</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">D.C. Cook 1<sup>11</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Dresden 3<sup>12</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Harris 1<sup>13</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Indian Point 2<sup>14</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Indian Point 3<sup>15</sup></a>			
<a href="#">Clinton</a>	<a href="#">Kewaunee<sup>16</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Nine Mile Point 1<sup>17</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Oconee 3<sup>18</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Peach Bottom 2<sup>19</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Peach Bottom 3<sup>20</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Perry 1<sup>21</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Salem 1<sup>22</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Sequoyah 2<sup>23</sup></a>			
<a href="#">Duane Arnold</a>	<a href="#">Surry 1<sup>24</sup></a>			
<a href="#">Farley 1</a>	<a href="#">Surry 2<sup>25</sup></a>			
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				

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- ▲ Note 1: Beaver Valley unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003.
- ▲ Note 2: DC Cook unit 2 is in the degraded cornerstone column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003 and two white inspection findings in the mitigating systems cornerstone originating in 1Q/2002 and 2Q/2002, respectively. The findings were held open in accordance with IMC 0305 for greater than four quarters because the NRC supplemental inspection revealed that the licensee did not complete an adequate extent of condition review for the two white findings.
- ▲ Note 3: Cooper is in the multiple/repetitive degraded cornerstone due to three white findings in the emergency preparedness cornerstone. Cooper will remain in the multiple/repetitive degraded cornerstone until satisfactory completion of the actions listed in the January 30, 2003, confirmatory action letter and NPPD has demonstrated sustained improvements in plant performance.
- ▲ Note 4: Beaver Valley unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003
- ▲ Note 5: Point Beach unit 1 is in the multiple/repetitive degraded cornerstone column due to a red finding in the mitigating systems cornerstone. This finding is being held open for greater than four quarters in accordance with IMC 0305 pending completion of an IP 95003 supplemental inspection which commenced on July 28, 2003.
- ▲ Note 6: Braidwood unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 4Q/2001.
- ▲ Note 7: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to a red finding in the mitigating systems cornerstone. This finding is being held open for greater than four quarters in accordance with IMC 0305 pending completion of an IP 95003 supplemental inspection which commenced on July 28, 2003.
- ▲ Note 8: Callaway is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 1Q/2003.
- ▲ Note 9: Calvert Cliffs unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 3Q/2002.
- ▲ Note 10: Calvert Cliffs unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 3Q/2002.
- ▲ Note 11: DC Cook unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2002. The finding was held open in accordance with IMC 0305 for greater than four quarters because the NRC supplemental inspection revealed that the licensee did not complete an adequate extent of condition review for the finding.

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- Note 12: Dresden unit 3 is in the regulatory response column due to one white performance indicator and one white inspection finding in the mitigating systems cornerstone originating in 3Q/2001. The performance indicator and inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 13: Harris is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 14: Indian Point 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2002. This finding will remain open for greater than four quarters in accordance with IMC 0305 due to broader design control issues, which are being addressed by the design improvement initiative, and have not been fully resolved by Entergy. Heightened oversight of Indian Point 2 will continue, consistent with oversight plans approved on March 18, 2003.
- ▲ Note 15: Indian Point 3 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 16: Kewaunee is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2002. This finding is being held open in accordance with IMC 0305 for greater than four quarters pending completion of the of an IP 95001 supplemental inspection.
- ▲ Note 17: Nine Mile Point unit 1 is in the regulatory response column due to a white inspection finding in the mitigating systems cornerstone originating in 1Q/2003.
- ▲ Note 18: Oconee unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2002.
- ▲ Note 19: Peach Bottom unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 3Q/2002.
- ▲ Note 20: Peach Bottom unit 3 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 3Q/2002.
- ▲ Note 21: Perry is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2002 and a white performance indicator in the occupational radiation safety cornerstone originating in 2Q/2003.
- ▲ Note 22: Salem unit 1 is in the regulatory response column due to a white inspection finding in the mitigating systems cornerstone originating in 1Q/2003.
- ▲ Note 23: Sequoyah unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 4Q/2002.
- ▲ Note 24: Surry unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 4Q/2001.
- ▲ Note 25: Surry unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.

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*Last modification: Aug 27, 2003*

### 3Q/2003 ROP Action Matrix Summary

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. Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>		<a href="#">Cooper<sup>2</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>3</sup></a>		<a href="#">Point Beach 1<sup>4</sup></a>	
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1<sup>5</sup></a>		<a href="#">Point Beach 2<sup>6</sup></a>	
<a href="#">Browns Ferry 2</a>	<a href="#">Callaway<sup>7</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">D.C. Cook 2<sup>8</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Dresden 3<sup>9</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Harris 1<sup>10</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Indian Point 2<sup>11</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Indian Point 3<sup>12</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Kewaunee<sup>13</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Nine Mile Point 1<sup>14</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Nine Mile Point 2<sup>15</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Oconee 3<sup>16</sup></a>			
<a href="#">Clinton</a>	<a href="#">Peach Bottom 2<sup>17</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Perry 1<sup>18</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Salem 1<sup>19</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Surry 1<sup>20</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Surry 2<sup>21</sup></a>			
<a href="#">D.C. Cook 1</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
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- ▲ Note 1: Beaver Valley unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003.
- ▲ Note 2: Cooper is in the multiple/repetitive degraded cornerstone column due to three white inspection findings in the emergency preparedness cornerstone. Cooper Nuclear Station will remain in the multiple/repetitive degraded cornerstone column of the action Matrix until satisfactory completion of the actions listed in the January 30, 2003 confirmatory action letter and NPPD has demonstrated sustained improvements in plant performance.
- ▲ Note 3: Beaver Valley unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003.
- ▲ Note 4: Point Beach unit 1 is in the multiple/repetitive degraded cornerstone column due to one red inspection finding in the mitigating systems cornerstone originating in 1Q/2002. This finding is being held open in accordance with IMC 0305 for greater than four quarters pending licensee completion of an IP 95003 supplemental inspection which commenced on July 28, 2003.
- ▲ Note 5: Braidwood unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 2Q/2003.
- ▲ Note 6: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to one red inspection finding in the mitigating systems cornerstone originating in 1Q/2002. This finding is being held open in accordance with IMC 0305 for greater than four quarters pending licensee completion of an IP 95003 supplemental inspection which commenced on July 28, 2003.
- ▲ Note 7: Callaway is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 1Q/2003.
- ▲ Note 8: DC Cook unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 9: Dresden unit 3 is in the regulatory response column due to one white performance indicator and one white inspection finding in the mitigating systems cornerstone originating in 3Q/2001. The performance indicator and the inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 10: Harris is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 11: Indian Point 2 is in the Regulatory Response column due to one white inspection finding in the mitigating systems cornerstone. The WHITE finding originated in the 3Q/2002 and involved a

degraded control room fire wall. The finding has remained open for greater than four quarters due to broader design control issues, being addressed by the design improvement initiative, which have not been fully resolved by Entergy. Heightened NRC oversight of Indian Point 2 will continue, consistent with oversight plans approved by the NRC EDO on March 18, 2003.

- ▲ Note 12: Indian Point 3 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 13: Kewaunee is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2002. This finding is being held open in accordance with IMC 0305 for greater than four quarters pending licensee completion of an adequate root cause evaluation and NRC completion of an IP 95001 inspection.
- ▲ Note 14: Nine Mile Point unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 1Q/2003.
- ▲ Note 15: Nine Mile Point unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 3Q/2003.
- ▲ Note 16: Oconee unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2002.
- ▲ Note 17: Peach Bottom Unit 2 is in the regulatory response column due to one white performance indicator in the Initiating events cornerstone originating in 3Q/2003.
- ▲ Note 18: Perry is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2002 and a white performance indicator in the occupational radiation safety cornerstone originating in 2Q/2003.
- ▲ Note 19: Salem unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 1Q/2003.
- ▲ Note 20: Surry unit 1 is in the regulatory response column due to two white performance indicators in different cornerstones. One PI is in the mitigating systems cornerstone and originated in 4Q/2001 and the other PI is in the initiating events cornerstone and originated in 3Q/2003.
- ▲ Note 21: Surry unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.

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*Last modification: Oct 30, 2003*

## 4Q/2003 ROP Action Matrix Summary

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. Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">D.C. Cook 2<sup>2</sup></a>	<a href="#">Cooper<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">Perry 1<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1<sup>7</sup></a>		<a href="#">Point Beach 2<sup>8</sup></a>	
<a href="#">Browns Ferry 2</a>	<a href="#">Callaway<sup>9</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Dresden 3<sup>10</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Fermi 2<sup>11</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Fort Calhoun<sup>12</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Harris 1<sup>13</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Indian Point 2<sup>14</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Indian Point 3<sup>15</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Kewaunee<sup>16</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Nine Mile Point 1<sup>17</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Oconee 1<sup>18</sup></a>			
<a href="#">Clinton</a>	<a href="#">Oconee 2<sup>19</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Oconee 3<sup>20</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Palisades<sup>21</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Peach Bottom 2<sup>22</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Saint Lucie 2<sup>23</sup></a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Salem 1<sup>24</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Seabrook 1<sup>25</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Surry 1<sup>26</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Surry 2<sup>27</sup></a>			
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				

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- ▲ Note 1: Beaver Valley unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003. An NRC supplemental inspection issued on November 26, 2003, concluded that the licensee has satisfactorily responded to this finding.
- ▲ Note 2: D.C. Cook Unit 2 is in the degraded cornerstone column due to two white performance indicators in the initiating events cornerstone originating in 3Q/2002 and 4Q/2003.
- ▲ Note 3: Cooper is in the multiple/repetitive degraded cornerstone column due to three white findings in the emergency preparedness cornerstone. Although the specific performance issues associated with emergency preparedness have been corrected by the licensee, the depth and breadth of performance issues at the plant revealed during the supplemental inspection warranted continued increased oversight by the NRC. The areas of NRC focus are addressed in the Confirmatory Action Letter, dated January 30, 2003. In accordance with IMC 0305, the NRC will ensure that actual performance improvements have been made prior to closing out the inspection findings and exiting the multiple/repetitive degraded cornerstone column of the Action Matrix. In addition, Cooper Nuclear Station reported a white performance indicator in the initiating events cornerstone during 4Q/2003.
- ▲ Note 4: Beaver Valley unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003. An NRC supplemental inspection issued on November 26, 2003, concluded that the licensee has satisfactorily responded to this finding.
- ▲ Note 5: Perry is in the degraded cornerstone column due to two white inspection findings in the mitigating systems cornerstone originating in 4Q/2002 and 3Q/2003, a white inspection finding in the Emergency Preparedness Cornerstone originating in 3Q/2003, and a white performance indicator in the occupational exposure control effectiveness cornerstone originating in 2Q/2003. The white inspection finding in the mitigating systems cornerstone originating in 4Q/2002 was held open in accordance with IMC 0305 for greater than four quarters pending licensee completion of an adequate root cause evaluation and NRC completion of an IP 95001 inspection. The IP 95001 inspection was completed and the finding will no longer be considered in the assessment program after 4Q/2003.
- ▲ Note 6: Point Beach Unit 1 is in the multiple/repetitive degraded cornerstone column due to a red finding and a yellow finding in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. The first finding is being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Braidwood Unit 1 is in the regulatory response column due to one white performance indicator in the mitigation systems cornerstone originating in 2Q/2003.
- ▲ Note 8: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to two red findings in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. The first finding is being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 9: Callaway is in the regulatory response column due to one white inspection finding in the emergency

preparedness cornerstone originating in 1Q/2003.

- ▲ Note 10: Dresden unit 3 is in the regulatory response column due to 1 white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.
- ▲ Note 11: Fermi is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2003.
- ▲ Note 12: Fort Calhoun is in the regulatory response column due to one white performance indicator in the occupational radiation safety cornerstone originating in 4Q/2003.
- ▲ Note 13: Harris unit 1 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 14: Indian Point 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2002. The finding has remained open for greater than four quarters due to broader design control issues, being addressed by the Design Basis Initiative (DBI), which have not been fully resolved by Entergy. A recent PI&R team inspection reviewed selected elements of the licensee's DBI program which will support closure of this white finding during 1Q/2004.
- ▲ Note 15: Indian Point 3 is in the regulatory response column due to a white performance indicator in the initiating events cornerstone originating in 2Q/2003 .
- ▲ Note 16: Kewaunee is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 2Q/2002. This finding was held open in accordance with IMC 0305 for greater than four quarters pending licensee completion of an adequate root cause evaluation and NRC completion of an IP 95001 inspection. The IP 95001 inspection was completed and the finding will no longer be considered in the assessment program after 4Q/2003.
- ▲ Note 17: Nine Mile Point unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 1Q/2003.
- ▲ Note 18: Oconee unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2003.
- ▲ Note 19: Oconee unit 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2003.
- ▲ Note 20: Oconee unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2003.
- ▲ Note 21: Palisades is in the regulatory response column due to one white inspection finding in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 22: Peach Bottom unit 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2003.
- ▲ Note 23: St. Lucie unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 4Q/2003.
- ▲ Note 24: Salem unit 1 is in the regulatory response column due to a white inspection finding in the mitigating systems cornerstone originating in 1Q/2003.
- ▲ Note 25: Seabrook is in the regulatory response column as a result of a white performance indicator in the barrier integrity cornerstone originating in 4Q/2003.
- ▲ Note 26: Surry unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 4Q/2001 and one white performance indicator in the initiating events cornerstone originating in 3Q/2003.
- ▲ Note 27: Surry unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.

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*Last modification: Mar 02, 2004*

## 1Q/2004 ROP Action Matrix Summary

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. Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that Davis-Besse is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">D.C. Cook 2<sup>2</sup></a>	<a href="#">Cooper<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">Perry 1<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Braidwood 2</a>	<a href="#">Braidwood 1<sup>7</sup></a>		<a href="#">Point Beach 2<sup>8</sup></a>	
<a href="#">Browns Ferry 2</a>	<a href="#">Comanche Peak 1<sup>9</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">D.C. Cook 1<sup>10</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Dresden 3<sup>11</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Fermi 2<sup>12</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Harris 1<sup>13</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Indian Point 2<sup>14</sup></a>			
<a href="#">Callaway</a>	<a href="#">Millstone 2<sup>15</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Oconee 1<sup>16</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Oconee 2<sup>17</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Oconee 3<sup>18</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Oyster Creek<sup>19</sup></a>			
<a href="#">Clinton</a>	<a href="#">Palisades<sup>20</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Peach Bottom 2<sup>21</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Saint Lucie 2<sup>22</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Salem 1<sup>23</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Surry 1<sup>24</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Surry 2<sup>25</sup></a>			
<a href="#">Dresden 2</a>	<a href="#">Waterford 3<sup>26</sup></a>			
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">Kewaunee</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				
<a href="#">McGuire 1</a>				

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

- ▲ Note 1: Beaver Valley unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003. An NRC supplemental inspection issued on November 26, 2003, concluded that the licensee has satisfactorily responded to this issue.
- ▲ Note 2: D.C. Cook unit 2 is in the degraded cornerstone column due to two white performance indicators in the initiating events cornerstone originating in 3Q/2002 and 4Q/2003 respectively and one white finding in the public radiation safety cornerstone originating in 1Q/2004.
- ▲ Note 3: Cooper is in the multiple/repetitive degraded cornerstone column due to three white findings in the emergency preparedness cornerstone and one white finding in the mitigating systems cornerstone. Although the specific performance issues associated with emergency preparedness have been corrected by the licensee, the depth and breadth of performance issues at the plant revealed during the supplemental inspection warranted continued increased oversight by the NRC. The areas of NRC focus are addressed in the Confirmatory Action Letter, dated January 30, 2003. In accordance with IMC 0305, the NRC will ensure that actual performance improvements have been made prior to closing out the inspection findings and exiting the Multiple/Repetitive Degraded Cornerstone Column of the Action Matrix.
- ▲ Note 4: Beaver Valley unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2003. An NRC supplemental inspection issued on November 26, 2003, concluded that the licensee has satisfactorily responded to this issue.
- ▲ Note 5: Perry is in the degraded cornerstone column due to two white findings in the mitigating systems cornerstone originating in

- 3Q/2003 and 4Q/2003, a white inspection finding in the emergency preparedness cornerstone originating in 3Q/2003, and a white performance indicator in the occupational exposure control effectiveness cornerstone originating in 2Q/2003.
- ▲ Note 6: Point Beach unit 1 is in the multiple/repetitive degraded cornerstone column due to a red finding and a yellow finding in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Braidwood unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 2Q/2003.
- ▲ Note 8: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to two red findings in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 9: Comanche Peak unit 1 is in the regulatory response column based on a white finding in the barrier integrity cornerstone originating in 4Q/2002. The supplemental inspection was satisfactorily completed in March 2004.
- ▲ Note 10: DC Cook unit 1 is in the regulatory response column due to one white finding in the public radiation cornerstone originating in 1Q/2004.
- ▲ Note 11: Dresden unit 3 is in the regulatory response column due to 1 white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.
- ▲ Note 12: Fermi is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2003
- ▲ Note 13: Harris unit 1 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 14: Indian Point 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone. This finding originated in 3Q/2002 and involved a degraded control room fire wall. The finding has remained open for greater than four quarters due to broader design control issues, being addressed by the Design Basis Initiative (DBI). A June 2003 supplemental inspection of the control room fire wall corrective actions and a December PI&R team inspection of selected elements of the licensee's DBI program resulted in the closure of this white finding in January 2004. Pending no additional greater than Green findings or performance indicators, Unit 2 will move to the licensee response column in 2Q/2004.
- ▲ Note 15: Millstone Unit 2 is in regulatory response column due to a white performance indicator in the initiating events cornerstone originating in 1Q/2004.
- ▲ Note 16: Oconee unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2003.
- ▲ Note 17: Oconee unit 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2003.
- ▲ Note 18: Oconee unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2003.
- ▲ Note 19: Oyster Creek is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 1Q/2004.
- ▲ Note 20: Palisades is in the regulatory response column due to one white finding in the initiating events cornerstone originating in 2Q/2003.
- ▲ Note 21: Peach Bottom unit 2 is in regulatory response column due to a white finding in the mitigating systems cornerstone and a white performance indicator in the initiating events cornerstone originating in 4Q/2003 and 1Q/2004 respectively.
- ▲ Note 22: St. Lucie unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 4Q/2003.
- ▲ Note 23: Salem unit 1 is in the regulatory response column due to a white inspection finding in the mitigating system cornerstone originating in 1Q/2003. The finding has remained open for greater than four quarters pending additional inspections to confirm that broad corrective actions have been implemented.
- ▲ Note 24: Surry unit 1 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 4Q/2001 .
- ▲ Note 25: Surry unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2001.
- ▲ Note 26: Waterford unit 3 is in the regulatory response column based on a white finding in the mitigating systems cornerstone originating in 1Q/2004.

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*Last modification: May 28, 2004*

## 2Q/2004 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that [Davis-Besse](#) is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

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> <sup>1</sup>		<a href="#">Perry 1</a> <sup>2</sup>	
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 2</a> <sup>3</sup>		<a href="#">Point Beach 1</a> <sup>4</sup>	
<a href="#">Beaver Valley 2</a>	<a href="#">Callaway</a> <sup>5</sup>		<a href="#">Point Beach 2</a> <sup>6</sup>	
<a href="#">Braidwood 1</a>	<a href="#">Cooper</a> <sup>7</sup>			
<a href="#">Braidwood 2</a>	<a href="#">D.C. Cook 1</a> <sup>8</sup>			
<a href="#">Browns Ferry 2</a>	<a href="#">D.C. Cook 2</a> <sup>9</sup>			
<a href="#">Browns Ferry 3</a>	<a href="#">Dresden 2</a> <sup>10</sup>			
<a href="#">Brunswick 1</a>	<a href="#">Dresden 3</a> <sup>11</sup>			
<a href="#">Byron 1</a>	<a href="#">Fermi 2</a> <sup>12</sup>			
<a href="#">Byron 2</a>	<a href="#">Hope Creek 1</a> <sup>13</sup>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Millstone 2</a> <sup>14</sup>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Oconee 1</a> <sup>15</sup>			
<a href="#">Catawba 1</a>	<a href="#">Oconee 2</a> <sup>16</sup>			
<a href="#">Catawba 2</a>	<a href="#">Oconee 3</a> <sup>17</sup>			
<a href="#">Clinton</a>	<a href="#">Oyster Creek</a> <sup>18</sup>			
<a href="#">Columbia Generating Station</a>	<a href="#">Peach Bottom 2</a> <sup>19</sup>			
<a href="#">Comanche Peak 1</a>	<a href="#">Salem 1</a> <sup>20</sup>			
<a href="#">Comanche Peak 2</a>	<a href="#">San Onofre 2</a> <sup>21</sup>			
<a href="#">Crystal River 3</a>	<a href="#">Surry 1</a> <sup>22</sup>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Waterford 3</a> <sup>23</sup>			
<a href="#">Diablo Canyon 2</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Indian Point 2</a>				
<a href="#">Indian Point 3</a>				
<a href="#">Kewaunee</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				

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- ▲ Note 1: Arkansas Nuclear One Unit 1 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone. The finding was originally identified as an apparent violation in April 2002, but the final Significance Determination was not completed until April 2004. This finding is still open pending follow-up inspection.
- ▲ Note 2: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to two (2) remaining white findings in the Mitigating Systems Cornerstone for five (5) consecutive quarters. The two (2) white findings in the Mitigating Systems Cornerstone originated in 3Q2003 and 4Q2003 respectively. The white Mitigating Systems finding originating in 3Q2003 is being held open due to corrective actions not being complete. In addition, Perry has one (1) white inspection finding in the Emergency Preparedness Cornerstone originating in 3Q2003.
- ▲ Note 3: Brunswick Unit 2 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2004.
- ▲ Note 4: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to one (1) red finding and one (1) yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 5: Callaway is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events Cornerstone

originating in 2Q2004.

- ▲ Note 6: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two (2) red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Cooper is in the Regulatory Response Column due to one (1) white finding in Mitigating Systems Cornerstone originating in 1Q2004. On May 3, 2004, the Executive Director for Operations approved a deviation from the Action Matrix to authorize the NRC to maintain the level of oversight of Cooper consistent with the Multiple/Repetitive Degraded Cornerstone column of the Action Matrix.
- ▲ Note 8: D.C. Cook Unit 1 is in the Regulatory Response Column due to one (1) white finding in the Public Radiation Safety Cornerstone originating in 1Q2004.
- ▲ Note 9: D.C. Cook Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events Cornerstone originating in 3Q2002, and one (1) white finding in the Public Radiation Safety Cornerstone originating in 1Q2004.
- ▲ Note 10: Dresden Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events Cornerstone originating in the 2Q2004.
- ▲ Note 11: Dresden Unit 3 is in the Regulatory Response Column due to one (1) white performance indicator in the Mitigating Systems Cornerstone originating in 3Q2001.
- ▲ Note 12: Fermi is in the Regulatory Response Column due to one (1) white performance indicator in the Mitigating Systems cornerstone originating in 3Q2003.
- ▲ Note 13: Hope Creek is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2004.
- ▲ Note 14: Millstone Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Event Cornerstone originating in 1Q2004.
- ▲ Note 15: Oconee Unit 1 is in the Regulatory Response column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2003.
- ▲ Note 16: Oconee Unit 2 is in the Regulatory Response column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2003.
- ▲ Note 17: Oconee Unit 3 is in the Regulatory Response column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2003.
- ▲ Note 18: Oyster Creek is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2004.
- ▲ Note 19: Peach Bottom Unit 2 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 4Q2003.
- ▲ Note 20: Salem Unit 1 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating System Cornerstone originating in 1Q2003. The finding has remained open for greater than four quarters pending additional inspections to confirm that broad corrective actions have been implemented.
- ▲ Note 21: San Onofre Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events Cornerstone originating in 2Q2004.
- ▲ Note 22: Surry Unit 1 is in the Regulatory Response column with one (1) white performance indicator in the Mitigating Systems Cornerstone originating in 4Q2001.
- ▲ Note 23: Waterford is in the Regulatory Response Column due to one (1) white finding in the Mitigating System Cornerstone originating in 4Q2003.

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*Last modification: Aug 17, 2004*



**3Q/2004 ROP Action Matrix Summary**

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

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<sup>1</sup></a>	<a href="#">Oconee 1<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 2<sup>4</sup></a>	<a href="#">Oconee 2<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Callaway<sup>7</sup></a>	<a href="#">Oconee 3<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Braidwood 1</a>	<a href="#">Calvert Cliffs 2<sup>10</sup></a>	<a href="#">Surry 1<sup>11</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Cooper<sup>12</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">D.C. Cook 1<sup>13</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">D.C. Cook 2<sup>14</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Fermi 2<sup>15</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Fort Calhoun<sup>16</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Hope Creek 1<sup>17</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Millstone 2<sup>18</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Oyster Creek<sup>19</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Peach Bottom 2<sup>20</sup></a>			
<a href="#">Clinton</a>	<a href="#">Salem 1<sup>21</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">San Onofre 2<sup>22</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Surry 2<sup>23</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Waterford 3<sup>24</sup></a>			
<a href="#">Crystal River 3</a>				
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<a href="#">Limerick 1</a>				
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[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Arkansas Nuclear One Unit 1 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone. The finding pertaining to fire protection and excessive manual actions was originally identified as an apparent violation in April 2002, but the final Significance Determination was completed in April 2004. This finding is still open pending follow-up inspection.
- ▲ Note 2: Oconee 1, 2 and 3 are in the Degraded Cornerstone Column due to two (2) inspection findings in the Mitigating Systems Cornerstone originating in 3Q2003 and 3Q2004. The white finding from 3Q 2003 is being held open a fifth quarter to permit the licensee to develop further corrective actions.
- ▲ Note 3: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to the Mitigating Systems Cornerstone being degraded with multiple white findings for five (5) consecutive quarters. In particular, the ESW pump failure finding from 3Q2003 was held open in accordance with IMC 0305 for greater than four (4) quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding in conjunction with the 4Q2003 finding involving inadequate venting of the RHR/LPCI keep fill system resulted in the five (5) consecutive quarters and placed the plant in Column in the Multiple/Repetitive Degraded Cornerstone Column.
- ▲ Note 4: Brunswick 2 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2004.

- ▲ Note 5: Oconee 1, 2 and 3 are in the Degraded Cornerstone Column due to two (2) inspection findings in the Mitigating Systems Cornerstone originating in 3Q2003 and 3Q2004. The white finding from 3Q 2003 is being held open a fifth quarter to permit the licensee to develop further corrective actions.
- ▲ Note 6: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to one (1) red finding and one (1) yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than four (4) quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Callaway is in the Regulatory Response Column due to one (1) white performance indicator in Initiating Events Cornerstone originating in 1Q2004.
- ▲ Note 8: Oconee 1, 2 and 3 are in the Degraded Cornerstone Column due to two (2) inspection findings in the Mitigating Systems Cornerstone originating in 3Q2003 and 3Q2004. The white finding from 3Q 2003 is being held open a fifth quarter to permit the licensee to develop further corrective actions.
- ▲ Note 9: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two (2) red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than four (4) quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 10: Calvert Cliffs Unit 2 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone. The white inspection finding involved a failure of a relay that caused the steam dump valves to remain open following a trip.
- ▲ Note 11: Surry 1 is in the Degraded Cornerstone Column due to two (2) white inputs in the Mitigating Systems Cornerstone: one (1) white performance indicator originating in 4Q2001 and one (1) white inspection finding in 2Q2004.
- ▲ Note 12: Cooper is in the Regulatory Response Column due to one (1) white inspection finding in Mitigating Systems Cornerstone originating in 1Q2004. On May 3, 2004, the Executive Director for Operations approved a deviation from the Action Matrix to authorize the NRC to maintain the level of oversight of Cooper consistent with the Multiple/Repetitive Degraded Cornerstone column of the Action Matrix.
- ▲ Note 13: D.C. Cook Unit 1 is in the Regulatory Response Column due to one (1) white inspection finding in the Public Radiation Safety cornerstone originating in 1Q2004.
- ▲ Note 14: D.C. Cook Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events cornerstone originating in 3Q2002, and one (1) white inspection finding in the Public Radiation Safety cornerstone originating in 1Q2004.
- ▲ Note 15: Fermi is in the Regulatory Response Column due to one (1) white performance indicator in the Mitigating Systems cornerstone originating in 3Q2003.
- ▲ Note 16: Fort Calhoun Station is in the Regulatory Response Column due to one (1) white performance indicator in the Mitigating Systems Cornerstone originating in 3Q2004.
- ▲ Note 17: Hope Creek is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 4Q2003. The white finding involved inadequate maintenance on the A Service Water System traveling screen.
- ▲ Note 18: Millstone Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events Cornerstone originating 1Q2004.
- ▲ Note 19: Oyster Creek is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2004. The white inspection finding involved the failure of a 4160V AC cable in May 2003, resulting in the loss of a vital bus.
- ▲ Note 20: Peach Bottom Unit 2 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 4Q2003. The white inspection finding involved a failure to adequately maintain the E-2 Emergency Diesel Generator.
- ▲ Note 21: Salem Unit 1 is in the Regulatory Response Column due to one (1) white inspection finding in the Mitigating System Cornerstone originating in 1Q2003. The white inspection finding involved inadequate corrective action related to multiple Emergency Diesel Generator turbocharger failures. The finding has remained open for greater than four quarters pending additional inspections to confirm that broad corrective actions have been implemented.
- ▲ Note 22: San Onofre Unit 2 is in the Regulatory Response Column due to one (1) white performance indicator in the Initiating Events Cornerstone originating in 2Q2004.
- ▲ Note 23: Surry 2 is in the Regulatory Response Column with one (1) white inspection finding in the Mitigating Systems Cornerstone originating in 2Q2004.
- ▲ Note 24: Waterford Unit 3 is in the Regulatory Response Column due to one (1) white finding in the Mitigating System Cornerstone originating in 2Q2004. Final white finding and notice of violation were issued on April 12, 2004. The supplemental inspection and regulatory performance meeting were completed on September 27, 2004.

## 4Q/2004 ROP Action Matrix Summary

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. Notes have been added to some plants to explain the reasons that these plants have changed Action Matrix columns from the previous quarter. This page will be updated as necessary to reflect changes in licensee performance.

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<sup>1</sup></a>		<a href="#">Perry 1<sup>2</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 2<sup>3</sup></a>		<a href="#">Point Beach 1<sup>4</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Calvert Cliffs 2<sup>5</sup></a>		<a href="#">Point Beach 2<sup>6</sup></a>	
<a href="#">Braidwood 1</a>	<a href="#">Cooper<sup>7</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">D.C. Cook 1<sup>8</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">D.C. Cook 2<sup>9</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Fermi 2<sup>10</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Fort Calhoun<sup>11</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Hope Creek 1<sup>12</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Oconee 1<sup>13</sup></a>			
<a href="#">Callaway</a>	<a href="#">Oconee 2<sup>14</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Oconee 3<sup>15</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Oyster Creek<sup>16</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Robinson 2<sup>17</sup></a>			
<a href="#">Clinton</a>	<a href="#">Salem 1<sup>18</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">San Onofre 2<sup>19</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Sequoyah 1<sup>20</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Surry 1<sup>21</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Surry 2<sup>22</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Vermont Yankee<sup>23</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Waterford 3<sup>24</sup></a>			
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Indian Point 2</a>				
<a href="#">Indian Point 3</a>				
<a href="#">Kewaunee</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				

[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Palisades](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)  
[Turkey Point 3](#)  
[Turkey Point 4](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: ANO 1 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 2Q/2004.
- ▲ Note 2: Perry unit 1 is in the multiple/repetitive degraded cornerstone column due to the mitigating systems cornerstone being degraded with multiple white findings for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q/2003 was held open in accordance with IMC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q/2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies, resulted in greater than 4 consecutive quarters in the degraded cornerstone column and placed the plant in the multiple/repetitive degraded cornerstone column.
- ▲ Note 3: Brunswick unit 2 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 1Q/2004.
- ▲ Note 4: Point Beach unit 1 is in multiple/repetitive degraded cornerstone column due to one red finding and one yellow finding in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open for greater than four quarters in accordance with IMC 0305 pending the implementation of effective corrective actions to

address performance deficiencies.

- ▲ Note 5: Calvert Cliffs unit 2 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 2Q/2004.
- ▲ Note 6: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to two red findings in the mitigating systems originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open for greater than four quarters in accordance with IMC 0305 pending implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Cooper Nuclear Station is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 1Q/2004.
- ▲ Note 8: DC Cook unit 1 is in the regulatory response column due to one white finding in the public radiation safety cornerstone originating in 1Q/2004.
- ▲ Note 9: DC Cook unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 3Q/2002 and one white finding in the public radiation safety cornerstone originating in 1Q/2004.
- ▲ Note 10: Fermi unit 2 is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2003.
- ▲ Note 11: Fort Calhoun is in the regulatory response column due to one white performance indicator in the mitigating systems cornerstone originating in 3Q/2004.
- ▲ Note 12: Hope Creek is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 1Q/2004.
- ▲ Note 13: Oconee unit 1 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 3Q/2004.
- ▲ Note 14: Oconee unit 2 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 3Q/2004.
- ▲ Note 15: Oconee unit 3 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 3Q/2004.
- ▲ Note 16: Oyster Creek is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 1Q/2004.
- ▲ Note 17: Robinson unit 2 is in the regulatory response column due to one white performance indicator in the barrier integrity cornerstone originating in 4Q/2004.
- ▲ Note 18: Salem unit 1 is in the regulatory response column due to one white finding in the mitigating systems originating in 1Q/2003.
- ▲ Note 19: San Onofre unit 2 is in the regulatory response column due to one white performance indicator in the initiating events cornerstone originating in 2Q/2004.
- ▲ Note 20: Sequoyah unit 1 is in the regulatory response column due to one finding in the mitigating systems cornerstone originating in 3Q/2004.
- ▲ Note 21: Surry unit 1 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 2Q/2004.
- ▲ Note 22: Surry unit 2 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 4Q/2004.
- ▲ Note 23: Vermont Yankee is in the regulatory response column due to one white finding in the emergency preparedness cornerstone originating in 4Q/2004.
- ▲ Note 24: Waterford unit 3 is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 2Q/2004.

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*Last modification: Mar 04, 2005*

## 1Q/2005 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that [Davis-Besse](#) is under the IMC 0350 process and is therefore not reflected in the Action Matrix. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Calvert Cliffs 2<sup>1</sup></a>	<a href="#">Palo Verde 1<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Columbia Generating Station<sup>4</sup></a>	<a href="#">Palo Verde 2<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">D.C. Cook 2<sup>7</sup></a>	<a href="#">Palo Verde 3<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Fermi 2<sup>10</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Fort Calhoun<sup>11</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Hope Creek 1<sup>12</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Kewaunee<sup>13</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Oconee 1<sup>14</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Oconee 2<sup>15</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Oconee 3<sup>16</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Oyster Creek<sup>17</sup></a>			
<a href="#">Byron 2</a>	<a href="#">River Bend 1<sup>18</sup></a>			
<a href="#">Callaway</a>	<a href="#">San Onofre 2<sup>19</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Sequoyah 1<sup>20</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Vermont Yankee<sup>21</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Watts Bar 1<sup>22</sup></a>			
<a href="#">Clinton</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Indian Point 2</a>				

[Indian Point 3](#)  
[La Salle 1](#)  
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[Quad Cities 1](#)  
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[Robinson 2](#)  
[Saint Lucie 1](#)  
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[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](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Waterford 3](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Calvert Cliffs Unit 2 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 2Q2004.
- ▲ Note 2: Palo Verde Unit 1 is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004.
- ▲ Note 3: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to the Mitigating Systems Cornerstone being degraded with multiple white findings for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q2003 was held open in accordance with IMC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies,



resulted in greater than 4 consecutive quarters in the Degraded Cornerstone Column and placed the plant in the Multiple/Repetitive Degraded Cornerstone Column. In addition, Perry has a White finding in the Emergency Preparedness Cornerstone originating in 4Q2004.

- ▲ Note 4: Columbia Generating Station is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2005.
- ▲ Note 5: Palo Verde Unit 2 is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004.
- ▲ Note 6: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to a red finding and a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: D.C. Cook Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 3Q2002.
- ▲ Note 8: Palo Verde Unit 3 is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004.
- ▲ Note 9: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 10: Fermi is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 3Q2003.
- ▲ Note 11: Fort Calhoun is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 3Q2004. Additionally, one white finding in the Mitigating Systems Cornerstone, originating in 1Q2005, was identified involving the same underlying performance deficiency, but is not being double-counted per IMC 0305.
- ▲ Note 12: Hope Creek is in the Regulatory Response Column due to one white inspection finding in the Initiating Events Cornerstone originating in 4Q2004.
- ▲ Note 13: Kewaunee is in the regulatory response column due to one white finding in the barrier integrity cornerstone originating in 4Q/2004.
- ▲ Note 14: Oconee 1 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2004.
- ▲ Note 15: Oconee 2 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2004.
- ▲ Note 16: Oconee 3 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2004.
- ▲ Note 17: Oyster Creek is in the Regulatory Response Column due to one white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q2004.
- ▲ Note 18: River Bend is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 1Q2005.
- ▲ Note 19: San Onofre Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 2Q2004.
- ▲ Note 20: Sequoyah 1 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2004.
- ▲ Note 21: Vermont Yankee is in the Regulatory Response Column due to one white inspection finding in the Emergency Preparedness Cornerstone originating in the 4Q2004.
- ▲ Note 22: Watts Bar 1 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 4Q2004.

## 2Q/2005 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix. Note that [Davis-Besse](#) is under the IMC 0350 process for 2Q/2005 and is therefore not reflected in the Action Matrix summary. Davis-Besse returned to the normal assessment process on July 1, 2005 and will be reflected in the 3Q/2005 Action Matrix summary update. This page will be updated as necessary to reflect changes in licensee performance.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Columbia Generating Station<sup>1</sup></a>	<a href="#">Palo Verde 1<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">D.C. Cook 2<sup>4</sup></a>	<a href="#">Palo Verde 2<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Fort Calhoun<sup>7</sup></a>	<a href="#">Palo Verde 3<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Hope Creek 1<sup>10</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Indian Point 2<sup>11</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Kewaunee<sup>12</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Oconee 1<sup>13</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Oconee 2<sup>14</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Oconee 3<sup>15</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Oyster Creek<sup>16</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Peach Bottom 2<sup>17</sup></a>			
<a href="#">Byron 2</a>	<a href="#">River Bend 1<sup>18</sup></a>			
<a href="#">Callaway</a>	<a href="#">Sequoyah 1<sup>19</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Three Mile Island 1<sup>20</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Vermont Yankee<sup>21</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Watts Bar 1<sup>22</sup></a>			
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				

[Hatch 1](#)  
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[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
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[Millstone 3](#)  
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[Quad Cities 1](#)  
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[Robinson 2](#)  
[Saint Lucie 1](#)  
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[Salem 1](#)  
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[San Onofre 2](#)  
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[Seabrook 1](#)  
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[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Surry 1](#)  
[Surry 2](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Turkey Point 3](#)  
[Turkey Point 4](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Waterford 3](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Columbia Generating Station is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 2Q/2005 (Unplanned Scrams per 7000 Critical Hours) and one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q/2005 (Safety System Unavailability, High Pressure Injection System (HPCS)).
- ▲ Note 2: Palo Verde Nuclear Generating Station Unit 1 is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 4Q/2004. The significance determination for this final yellow finding and corresponding notice of violation were issued on April 8, 2005.
- ▲ Note 3: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to a white finding in the Emergency Preparedness Cornerstone originating in 4Q/2004 and the Mitigating Systems Cornerstone being degraded with multiple white findings

for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q/2003 was held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q/2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with MC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies, resulted in greater than 4 consecutive quarters in the Degraded Cornerstone Column and placed the plant in the Multiple/Repetitive Degraded Cornerstone Column.

- ▲ Note 4: D.C. Cook Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Initiating Events cornerstone originating in 3Q/2002.
- ▲ Note 5: Palo Verde Nuclear Generating Station Unit 2 is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 4Q/2004. The significance determination for this final yellow finding and corresponding notice of violation were issued on April 8, 2005.
- ▲ Note 6: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to a red finding and a yellow finding in the Mitigating Systems Cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Fort Calhoun Station is in the Regulatory Response Column due to one white performance indicator (Emergency AC Power System Unavailability) and one white inspection findings in the Mitigating Systems Cornerstone originating in 3Q/2004. The performance indicator and the inspection finding represent the same underlying issue and are not double-counted in the assessment program.
- ▲ Note 8: Palo Verde Nuclear Generating Station Unit 3 is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 4Q/2004. The significance determination for this final yellow finding and corresponding notice of violation were issued on April 8, 2005.
- ▲ Note 9: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two red findings in the Mitigating Systems Cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 10: Hope Creek is in the Regulatory Response Column due to one white inspection finding in the Initiating Events Cornerstone originating in 4Q/2004. The white finding involved an inadequate engineering evaluation and correction of a degraded level control valve for the "A" moisture separator drain tank, resulting in the failure of an 8-inch pipe in that system.
- ▲ Note 11: Indian Point 2 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 2Q/2005. The WHITE finding related to nitrogen gas that was discovered in the safety injection system.
- ▲ Note 12: Kewaunee is in the Regulatory Response Column due to one white finding in the Barrier Integrity cornerstone originating in 4Q/2004.
- ▲ Note 13: Oconee Unit 1 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q/2004.
- ▲ Note 14: Oconee Unit 2 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q/2004.
- ▲ Note 15: Oconee Unit 3 is in the Regulatory Response Column due to one white inspection finding in the Mitigating Systems Cornerstone originating in 3Q/2004.
- ▲ Note 16: Oyster Creek is in the Regulatory Response Column due to one white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q/2004. The white finding involved an inadequate EP classification procedure.
- ▲ Note 17: Peach Bottom 2 is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone from 3Q/2004. The white Performance Indicator was related to unplanned scrams with loss of normal heat sink.
- ▲ Note 18: River Bend Station is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 1Q/2005 (Unplanned Scrams Per 7000 Critical Hours).
- ▲ Note 19: Sequoyah Unit 1 is in the Regulatory Response Column due to one White inspection finding in the Mitigating Systems Cornerstone originating in 3Q/2004.
- ▲ Note 20: Three Mile Island is in the Regulatory Response Column due to a white inspection finding in the Emergency Preparedness Cornerstone originating in 2Q/2005. The white inspection finding involved training of the Emergency Response Organization.
- ▲ Note 21: Vermont Yankee is in the Regulatory Response Column due to one white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q/2004. The white inspection finding involved the licensee not maintaining a current list of Tone Alert Radios.
- ▲ Note 22: Watts Bar unit 1 is in the Regulatory response Column due to a white finding in the Mitigating Systems cornerstone originating in 4Q/2004.

### 3Q/2005 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Columbia Generating Station<sup>1</sup></a>	<a href="#">Palo Verde 1<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Crystal River 3<sup>4</sup></a>	<a href="#">Palo Verde 2<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse<sup>7</sup></a>	<a href="#">Palo Verde 3<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Diablo Canyon 1<sup>10</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Diablo Canyon 2<sup>11</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Fort Calhoun<sup>12</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Hatch 1<sup>13</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Hatch 2<sup>14</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Hope Creek 1<sup>15</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Indian Point 2<sup>16</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Kewaunee<sup>17</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Oyster Creek<sup>18</sup></a>			
<a href="#">Callaway</a>	<a href="#">Peach Bottom 2<sup>19</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Three Mile Island 1<sup>20</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Turkey Point 4<sup>21</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Vermont Yankee<sup>22</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Watts Bar 1<sup>23</sup></a>			
<a href="#">Clinton</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1<sup>24</sup></a>				
<a href="#">La Salle 2<sup>25</sup></a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				

[McGuire 1](#)  
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[Saint Lucie 2](#)  
[Salem 1<sup>26</sup>](#)  
[Salem 2<sup>27</sup>](#)  
[San Onofre 2](#)  
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[Vogtle 2](#)  
[Waterford 3](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Columbia Generating Station is in the regulatory response column due to one white performance indicator (Safety System Unavailability, High Pressure Injection System (HPCS)) in the mitigating systems cornerstone originating in 1Q/2005 .
- ▲ Note 2: Palo Verde Nuclear Generating Station Unit 1 is in the degraded cornerstone column due to one yellow finding in the mitigating systems cornerstone originating in 4Q/2004.
- ▲ Note 3: Perry is in the multiple/repetitive degraded cornerstone column due to a white inspection finding in the emergency preparedness cornerstone originating in 4Q/2004 and the mitigating systems cornerstone being degraded with multiple white findings for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q/2003 was held open in accordance with IMC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q/2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies, resulted in greater than 4 consecutive quarters in the degraded cornerstone column and placed the plant in the multiple/repetitive degraded cornerstone column.

- ▲ Note 4: Crystal River Unit 3 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2005.
- ▲ Note 5: Palo Verde Nuclear Generating Station Unit 2 is in the degraded cornerstone column due to one yellow finding in the mitigating systems cornerstone originating in 4Q/2004.
- ▲ Note 6: Point Beach Unit 1 is in the multiple/repetitive degraded cornerstone column due to a red finding and a yellow finding in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 7: Davis-Besse is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 4Q/2004.
- ▲ Note 8: Palo Verde Nuclear Generating Station Unit 3 is in the degraded cornerstone column due to one yellow finding in the mitigating systems cornerstone originating in 4Q/2004.
- ▲ Note 9: Point Beach Unit 2 is in the multiple/repetitive degraded cornerstone column due to two red findings in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies.
- ▲ Note 10: Diablo Canyon Unit 1 is in the regulatory response column due to one white performance indicator (Drill/Exercise Performance) in the emergency preparedness cornerstone. The NRC found errors in the licensee's determination of the number of unsuccessful drills that resulted in the performance indicator crossing the green/white threshold in 2Q/2005. The licensee has issued a change that will reflect the performance indicator as white for the 2Q/2005 period. This indicator remained white for 3Q/2005.
- ▲ Note 11: Diablo Canyon Unit 2 is in the regulatory response column due to one white performance indicator (Drill/Exercise Performance) in the emergency preparedness cornerstone. The NRC found errors in the licensee's determination of the number of unsuccessful drills that resulted in the performance indicator crossing the green/white threshold in 2Q/2005. The licensee has issued a change that will reflect the performance indicator as white for the 2Q/2005 period. This indicator remained white for 3Q/2005.
- ▲ Note 12: Fort Calhoun Station is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 1Q/2005.
- ▲ Note 13: Hatch Unit 1 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2005.
- ▲ Note 14: Hatch Unit 2 is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2005.
- ▲ Note 15: Hope Creek is in the regulatory response column due to one white inspection finding in the initiating events cornerstone originating in 4Q/2004. On July 29, 2005, the NRC approved a renewal of a deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The deviation includes oversight activities to monitor licensee improvement efforts in SCWE and related performance attributes.
- ▲ Note 16: Indian Point 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2005.
- ▲ Note 17: Kewaunee is in the regulatory response column due to one white inspection finding in the barrier integrity cornerstone originating in 4Q/2004 and one white inspection finding in the mitigating systems cornerstone originating in 3Q/2005.
- ▲ Note 18: Oyster Creek is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 4Q/2004.
- ▲ Note 19: Peach Bottom Unit 2 is in the regulatory response column due to one white performance indicator (Scrams With Loss of Normal Heat Removal) in the initiating events cornerstone originating in 3Q/2004.
- ▲ Note 20: Three Mile Island is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 2Q/2005.
- ▲ Note 21: Turkey Point Unit 4 is in the regulatory response column due to one white performance indicator (Unplanned Scrams per 7000 Critical Hours) in the initiating events cornerstone originating in 3Q/2005.
- ▲ Note 22: Vermont Yankee is in the regulatory response column due to one white inspection finding in the emergency preparedness cornerstone originating in 4Q/2004.
- ▲ Note 23: Watts Bar Unit 1 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 4Q/2004.
- ▲ Note 24: One white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 25: One white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 26: On July 29, 2005, the NRC approved a renewal of a deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The deviation includes oversight activities to monitor licensee improvement efforts in SCWE and related performance attributes.
- ▲ Note 27: On July 29, 2005, the NRC approved a renewal of a deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The deviation includes oversight activities to monitor

licensee improvement efforts in SCWE and related performance attributes.

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*Last modification: Nov 04, 2005*



## 4Q/2005 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 2<sup>1</sup></a>	<a href="#">Kewaunee<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Columbia Generating Station<sup>4</sup></a>	<a href="#">Palo Verde 1<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Crystal River 3<sup>7</sup></a>	<a href="#">Palo Verde 2<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Davis-Besse<sup>10</sup></a>	<a href="#">Palo Verde 3<sup>11</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Fort Calhoun<sup>12</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Hatch 1<sup>13</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Hatch 2<sup>14</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Indian Point 2<sup>15</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Oyster Creek<sup>16</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Three Mile Island 1<sup>17</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Turkey Point 3<sup>18</sup></a>			
<a href="#">Callaway</a>	<a href="#">Turkey Point 4<sup>19</sup></a>			
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hope Creek 1<sup>20</sup></a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1<sup>21</sup></a>				
<a href="#">La Salle 2<sup>22</sup></a>				
<a href="#">Limerick 1</a>				

[Limerick 2](#)  
[McGuire 1](#)  
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[North Anna 1](#)  
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[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1<sup>23</sup>](#)  
[Salem 2<sup>24</sup>](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
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- ▲ Note 1: Brunswick unit 2 is in the regulatory response column due to one white performance indicator in the Initiating Events Cornerstone (Unplanned Power Changes per 7000 Critical Hours) originating in 4Q/2005.
- ▲ Note 2: Kewaunee is in the degraded cornerstone column due to one white inspection finding in the mitigating systems cornerstone originating in 3Q/2005 and one yellow finding in the mitigating systems cornerstone originating in 4Q/2005.
- ▲ Note 3: Perry is in the multiple/repetitive degraded cornerstone column due to the mitigating systems cornerstone being degraded with multiple white findings for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q/2003 is being held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q/2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with MC 0305 for

greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies, resulted in greater than 4 consecutive quarters in the degraded cornerstone column and placed the plant in the multiple/repetitive degraded cornerstone column. In addition, a white finding in the emergency preparedness cornerstone originating in 4Q/2004 was held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies which were verified to be complete on December 9, 2005. Therefore, this finding will be closed and no longer be considered in the Action Matrix with the 1Q/2006 update.

- ▲ Note 4: Columbia Generating Station is in the regulatory response column due to one white performance indicator (Safety System Unavailability, High Pressure Injection System) in the mitigating systems cornerstone originating in 1Q/2005.
- ▲ Note 5: Palo Verde unit 1 is in the degraded cornerstone column due to one yellow finding in the mitigating systems cornerstone originating in 4Q/2004. The significance determination for this final yellow finding and corresponding notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The NRC will perform a follow-up inspection after receiving written notification from the licensee that they have completed additional corrective actions and are ready to support the inspection.
- ▲ Note 6: Point Beach unit 1 is in the multiple/repetitive degraded cornerstone column due to a red finding and a yellow finding in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the emergency preparedness cornerstone originating in 4Q/2005 is not being considered in the Action Matrix due to a deviation approved by the NRC Executive Director for Operations.
- ▲ Note 7: Crystal River unit 3 is in the regulatory response column due to one white inspection finding in the Mitigating System Cornerstone (Fire Protection) originating in 3Q/2005.
- ▲ Note 8: Palo Verde unit 2 is in the degraded cornerstone column due to one yellow finding in the mitigating systems cornerstone originating in 4Q/2004. The significance determination for this final yellow finding and corresponding notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The NRC will perform a follow-up inspection after receiving written notification from the licensee that they have completed additional corrective actions and are ready to support the inspection.
- ▲ Note 9: Point Beach unit 2 is in the multiple/repetitive degraded cornerstone column due to two red findings in the mitigating systems cornerstone originating in 1Q/2002 and 1Q/2003, respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the emergency preparedness cornerstone originating in 4Q/2005 is not being considered in the Action Matrix due to a deviation approved by the NRC Executive Director for Operations.
- ▲ Note 10: Davis-Besse is in the regulatory response column due to one white finding in the emergency preparedness cornerstone originating in 4Q/2004. This finding was held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies which were verified to be complete on October 21, 2005. Therefore, this finding will be closed and no longer be considered in the Action Matrix with the 1Q/2006 update.
- ▲ Note 11: Palo Verde unit 3 is in the degraded cornerstone column due to one yellow finding in the mitigating systems cornerstone originating in 4Q/2004. The significance determination for this final yellow finding and corresponding notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The NRC will perform a follow-up inspection after receiving written notification from the licensee that they have completed additional corrective actions and are ready to support the inspection.
- ▲ Note 12: Fort Calhoun is in the regulatory response column due to one white finding in the mitigating systems cornerstone originating in 1Q/2005.
- ▲ Note 13: Hatch unit 1 is in the regulatory response column due to one white inspection finding in the Emergency Preparedness Cornerstone (TSC removed from service greater than 7seven days) originating in 2Q/2005.
- ▲ Note 14: Hatch unit 2 is in the regulatory response column due to one white inspection finding in the Emergency Preparedness Cornerstone (TSC removed from service greater than 7seven days) originating in 2Q/2005.
- ▲ Note 15: Indian Point 2 is in the regulatory response column due to one white inspection finding in the mitigating systems cornerstone originating in 2Q/2005. The white finding related to nitrogen gas that was discovered in the safety injection (SI) system. The 95001 inspection for this finding was completed in December 2005, and provided a positive assessment of the licensee's corrective actions. Therefore, this finding will be closed and no longer be considered in the Action Matrix with the 1Q/2006 update. On October 31, 2005, the EDO approved a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Indian Point 2 plant. The Deviation includes oversight activities to monitor licensee action to: 1) Characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 16: Oyster Creek is in the regulatory response column due to one white inspection finding in the emergency preparedness (EP) cornerstone originating in 3Q/2005. The white finding involved an inadequate response to an event involving grassing of the intake structure.

- ▲ Note 17: Three Mile Island is in the regulatory response column due to a white inspection finding in the emergency preparedness cornerstone originating in 2Q/2005. The white inspection finding involved training of the Emergency Response Organization.
- ▲ Note 18: Turkey Point unit 3 is in the regulatory response column due to one white performance indicator in the Mitigating System Cornerstone (Heat Removal System, (AFW), Unavailability) originating in 4Q/2005.
- ▲ Note 19: Turkey Point unit 4 is in the regulatory response column due to one white performance indicator in the Mitigating System Cornerstone (Heat Removal System, (AFW), Unavailability) originating in 4Q/2005.
- ▲ Note 20: On July 29, 2005, the Executive Director for Operations approved a renewal of a deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The deviation includes oversight activities to monitor licensee improvement efforts in SCWE and related performance attributes.
- ▲ Note 21: One white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 22: One white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 23: On July 29, 2005, the Executive Director for Operations approved a renewal of a deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The deviation includes oversight activities to monitor licensee improvement efforts in SCWE and related performance attributes.
- ▲ Note 24: On July 29, 2005, the Executive Director for Operations approved a renewal of a deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The deviation includes oversight activities to monitor licensee improvement efforts in SCWE and related performance attributes.

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*Last modification: Feb 16, 2006*

## 1Q/2006 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 2<sup>1</sup></a>	<a href="#">Kewaunee<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Columbia Generating Station<sup>4</sup></a>	<a href="#">Palo Verde 1<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Crystal River 3<sup>7</sup></a>	<a href="#">Palo Verde 2<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Hatch 1<sup>10</sup></a>	<a href="#">Palo Verde 3<sup>11</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Hatch 2<sup>12</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Indian Point 2<sup>13</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Millstone 2<sup>14</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Oyster Creek<sup>15</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Three Mile Island 1<sup>16</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Turkey Point 3<sup>17</sup></a>			
<a href="#">Byron 2</a>	<a href="#">Turkey Point 4<sup>18</sup></a>			
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hope Creek 1<sup>19</sup></a>				
<a href="#">Indian Point 3<sup>20</sup></a>				
<a href="#">La Salle 1<sup>21</sup></a>				

[La Salle 2<sup>22</sup>](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1<sup>23</sup>](#)  
[Salem 2<sup>24</sup>](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Surry 1](#)  
[Surry 2](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Vermont Yankee](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Waterford 3<sup>25</sup>](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Brunswick Unit 2 is in the Regulatory Response Column due to a White performance indicator in the Initiating Events Cornerstone (Unplanned Power Changes) originating in 4Q/2005.
- ▲ Note 2: Kewaunee is in the Degraded Cornerstone Column due to one white finding in the Mitigating Systems cornerstone originating in 3Q2005 and one yellow finding in the Mitigating Systems cornerstone originating in 4Q2005.
- ▲ Note 3: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to the Mitigating Systems Cornerstone being degraded with multiple White findings for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q2003 is being held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were

ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with MC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies, resulted in greater than 4 consecutive quarters in the Degraded Cornerstone Column and placed the plant in the Multiple/Repetitive Degraded Cornerstone Column.

- ▲ Note 4: Columbia Generating Station is in the Regulatory Response Column due to one White PI in the Mitigating Systems Cornerstone originating in 1Q2005 (Safety System Unavailability, High Pressure Injection System (HPCS)) The 95001 supplemental inspection was completed in October 2005.
- ▲ Note 5: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column due to one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee informed the NRC that they have completed additional corrective actions and are ready for the followup 95002 inspection. Currently, Region IV plans to conduct the followup inspection in late July 2006.
- ▲ Note 6: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to a red finding and a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the Emergency Preparedness Cornerstone originating in 4Q2005 is not being considered in the action matrix due to a deviation approved by the EDO.
- ▲ Note 7: Crystal River 3 is in the Regulatory Response Column due to a White inspection finding in the Mitigating System Cornerstone (Fire Protection) originating in 3Q/2005.
- ▲ Note 8: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column due to one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee informed the NRC that they have completed additional corrective actions and are ready for the followup 95002 inspection. Currently, Region IV plans to conduct the followup inspection in late July 2006.
- ▲ Note 9: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the Emergency Preparedness Cornerstone originating in 4Q2005 is not being considered in the action matrix due to a deviation approved by the EDO.
- ▲ Note 10: Hatch Units 1 and 2 are in the Regulatory Response Column due to a White inspection finding in the Emergency Preparedness Cornerstone (TSC removed from service greater than seven days) originating in 2Q/2005.
- ▲ Note 11: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column due to one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee informed the NRC that they have completed additional corrective actions and are ready for the followup 95002 inspection. Currently, Region IV plans to conduct the followup inspection in late July 2006.
- ▲ Note 12: Hatch Units 1 and 2 are in the Regulatory Response Column due to a White inspection finding in the Emergency Preparedness Cornerstone (TSC removed from service greater than seven days) originating in 2Q/2005.
- ▲ Note 13: Indian Point 2 was in the Regulatory Response Column due to one WHITE inspection finding in the Mitigating Systems Cornerstone from 2Q2005. The WHITE finding related to nitrogen gas that was discovered in the safety injection (SI) system. The 95001 inspection for this finding was completed in December 2005, and provided a positive assessment of the licensee's corrective actions. As a result, this White finding will no longer be considered for assessment purposes after 1Q2006.
- ▲ Note 14: Millstone 2 was in the Regulatory Response Column due to one WHITE Performance Indicator in the Initiating Events Cornerstone originating in 1Q2006. The WHITE Performance Indicator was related to unplanned scrams with loss of normal heat removal.
- ▲ Note 15: Oyster Creek was in the Regulatory Response Column due to one WHITE inspection finding in the Emergency Preparedness (EP) Cornerstone originating in 3Q2005. The WHITE finding involved an inadequate response to an event involving grassing of the intake structure.
- ▲ Note 16: Three Mile Island was in the Regulatory Response Column due to a WHITE inspection finding in the Emergency Preparedness Cornerstone originating in 2Q2005. The WHITE inspection finding involved training of the Emergency Response Organization. The 95001 inspection for this finding was completed in March 2006, and provided a positive assessment of the licensee's corrective actions. As a result, this White finding will no longer be considered for assessment purposes after 1Q2006.

- ▲ Note 17: Turkey Point Units 3 and 4 are in the Regulatory Response Column due to a White performance indicator in the Mitigating System Cornerstone (AFW, Unavailability) originating in 4Q/2005.
  - ▲ Note 18: Turkey Point Units 3 and 4 are in the Regulatory Response Column due to a White performance indicator in the Mitigating System Cornerstone (AFW, Unavailability) originating in 4Q/2005.
  - ▲ Note 19: On July 29, 2005, the EDO approved a renewal of a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The Deviation includes oversight activities to monitor licensee improvement efforts in safety conscious work environment and related performance attributes.
  - ▲ Note 20: On October 31, 2005, the EDO approved a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Indian Point Energy Center (IPEC). The Deviation includes oversight activities to monitor licensee action to: 1) characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
  - ▲ Note 21: One white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
  - ▲ Note 22: One white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
  - ▲ Note 23: On July 29, 2005, the EDO approved a renewal of a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The Deviation includes oversight activities to monitor licensee improvement efforts in safety conscious work environment and related performance attributes.
  - ▲ Note 24: On July 29, 2005, the EDO approved a renewal of a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The Deviation includes oversight activities to monitor licensee improvement efforts in safety conscious work environment and related performance attributes.
  - ▲ Note 25: Discrepant PI inspection (71150) at Waterford 3 in progress.
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*Last modification: May 02, 2006*



## 2Q/2006 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Braidwood 1<sup>1</sup></a>	<a href="#">Kewaunee<sup>2</sup></a>	<a href="#">Perry 1<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Braidwood 2<sup>4</sup></a>	<a href="#">Palo Verde 1<sup>5</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 1<sup>7</sup></a>	<a href="#">Palo Verde 2<sup>8</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Brunswick 2<sup>10</sup></a>	<a href="#">Palo Verde 3<sup>11</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Byron 2<sup>12</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Callaway<sup>13</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Crystal River 3<sup>14</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Farley 1<sup>15</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Farley 2<sup>16</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Millstone 2<sup>17</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Oyster Creek<sup>18</sup></a>			
<a href="#">Clinton</a>	<a href="#">Palisades<sup>19</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Quad Cities 1<sup>20</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">South Texas 2<sup>21</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Summer<sup>22</sup></a>			
<a href="#">Cooper</a>	<a href="#">Surry 1<sup>23</sup></a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Surry 2<sup>24</sup></a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Turkey Point 3<sup>25</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Turkey Point 4<sup>26</sup></a>			
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1<sup>27</sup></a>				
<a href="#">Indian Point 2<sup>28</sup></a>				
<a href="#">Indian Point 3<sup>29</sup></a>				
<a href="#">La Salle 1<sup>30</sup></a>				
<a href="#">La Salle 2<sup>31</sup></a>				
<a href="#">Limerick 1</a>				

[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1<sup>32</sup>](#)  
[Salem 2<sup>33</sup>](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)  
[Vermont Yankee](#)  
[Vogtle 1](#)  
[Vogtle 2](#)  
[Waterford 3<sup>34</sup>](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Braidwood Unit 1 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 2: Kewaunee is in the Degraded Cornerstone Column due to one white finding in the Mitigating Systems cornerstone originating in 3Q2005 and one yellow finding in the Mitigating Systems cornerstone originating in 4Q2005.
- ▲ Note 3: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to the Mitigating Systems Cornerstone being degraded with multiple White findings for greater than 4 consecutive quarters. In particular, the ESW pump failure finding from 3Q2003 is being held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. This finding, in conjunction with the 4Q2003 finding involving inadequate venting of the RHR/LPCI keep fill system, which is also being held open in accordance with MC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies, resulted in greater than 4 consecutive quarters in the Degraded Cornerstone Column and placed the plant in the Multiple/Repetitive Degraded Cornerstone Column.
- ▲ Note 4: Braidwood Unit 2 is in the Regulatory Response Column due to one white finding in the Public Radiation cornerstone originating in 2Q2006.
- ▲ Note 5: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and

contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they have completed additional corrective actions and are ready for the followup IP 95002 inspection. Region IV conducted the onsite portion of the followup inspection the week of July 24, 2006. Additional in-office review will occur between July 31- August 11, 2006.

- ▲ Note 6: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to a red finding and a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the Emergency Preparedness Cornerstone originating in 4Q2005 is not being considered in the action matrix due to a deviation approved by the EDO.
- ▲ Note 7: Brunswick Unit 1 is in the Regulatory Response column due to a White performance indicator in the Mitigating Systems Cornerstone (Emergency AC Power systems) originating in 2Q/2006.
- ▲ Note 8: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they have completed additional corrective actions and are ready for the followup IP 95002 inspection. Region IV conducted the onsite portion of the followup inspection the week of July 24, 2006. Additional in-office review will occur between July 31- August 11, 2006.
- ▲ Note 9: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the Emergency Preparedness Cornerstone originating in 4Q2005 is not being considered in the action matrix due to a deviation approved by the EDO.
- ▲ Note 10: Brunswick Unit 2 is in the Regulatory Response Column due to a White performance indicator in the Mitigating Systems Cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 11: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they have completed additional corrective actions and are ready for the followup IP 95002 inspection. Region IV conducted the onsite portion of the followup inspection the week of July 24, 2006. Additional in-office review will occur between July 31- August 11, 2006.
- ▲ Note 12: Byron Unit 2 is in the Regulatory Response Column due to one White Performance indicator originating in 2Q2006 in the Mitigating Systems Cornerstone (MSPI, Heat Removal System)
- ▲ Note 13: Callaway Plant is in the Regulatory Response Column because of a White MSPI for the Heat Removal System. This was due to failures of pumps resulting in the unavailability of auxiliary feedwater system.
- ▲ Note 14: Crystal River 3 is in the Regulatory Response Column due to a White inspection finding in the Mitigating Systems cornerstone originating in 3Q/2005.
- ▲ Note 15: Farley Unit 1 is in the Regulatory Response Column due to a White performance indicator in the Mitigating Systems cornerstone (Cooling Water Systems) originating in 2Q/2006.
- ▲ Note 16: Farley Unit 2 is in the Regulatory Response Column due to a White performance indicator in the Mitigating Systems cornerstone (Cooling Water Systems) originating in 2Q/2006.
- ▲ Note 17: Millstone 2 is in the Regulatory Response Column due to one WHITE Performance Indicator in the Initiating Events Cornerstone originating in 1Q2006. The WHITE Performance Indicator was related to unplanned scrams with loss of normal heat removal.
- ▲ Note 18: Oyster Creek is in the Regulatory Response Column due to one WHITE inspection finding in the Emergency Preparedness (EP) Cornerstone originating in 3Q2005. The WHITE finding involved an inadequate response to an event involving grassing of the intake structure.
- ▲ Note 19: Palisades is in the Regulatory Response Column due to one White Performance indicator in the Mitigating Systems cornerstone originating in 2Q2006 (Mitigating Systems Performance Index, High Pressure Injection System)
- ▲ Note 20: Quad Cities Unit 1 is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 21: South Texas Project, Unit 2 is in the Regulatory Response Column because of a White MSPI for Emergency AC Power Systems. This was due to a major failure of Emergency Diesel Generator 22 on December 9, 2003, which required significant time to repair.
- ▲ Note 22: Summer is in the Regulatory Response Column due to a White inspection finding in the Public Radiation Cornerstone (Failure to Properly Prepare a Radioactive Material Package for Shipment) originating in 1Q/2006.
- ▲ Note 23: Surry Units 1 and 2 are in the Regulatory Response Column due to a White inspection finding in the Emergency Preparedness Cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 24: Surry Units 1 and 2 are in the Regulatory Response Column due to a White inspection finding in the Emergency Preparedness

Cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).

- ▲ Note 25: Turkey Point Units 3 and 4 are in the Regulatory Response Column due to a White finding in the Mitigating System Cornerstone (AFW inoperable) which originated in 4Q/2005. In the 1Q/2005, the Heat Removal System Unavailability PI (AFW) for both units was White. However, with the implementation of the MSPI, it changed back to Green.
- ▲ Note 26: Turkey Point Units 3 and 4 are in the Regulatory Response Column due to a White finding in the Mitigating System Cornerstone (AFW inoperable) which originated in 4Q/2005. In the 1Q/2005, the Heat Removal System Unavailability PI (AFW) for both units was White. However, with the implementation of the MSPI, it changed back to Green.
- ▲ Note 27: Hope Creek - On July 29, 2005, the EDO approved a renewal of a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The Deviation includes oversight activities to monitor licensee improvement efforts in SCWE (Safety Conscious Work Environment) and related performance attributes.
- ▲ Note 28: Indian Point 2 and 3 - On October 31, 2005, the EDO approved a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Indian Point 2 and 3 plants. The Deviation includes oversight activities to monitor licensee action to: 1) Characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 29: Indian Point 2 and 3 - On October 31, 2005, the EDO approved a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Indian Point 2 and 3 plants. The Deviation includes oversight activities to monitor licensee action to: 1) Characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 30: LaSalle Unit 1 has a white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 31: LaSalle Unit 2 has a white inspection finding in the initiating events cornerstone originating in 2Q/2005 was determined to be an old design issue in accordance with IMC 0305, and is not considered as an input to the assessment program.
- ▲ Note 32: On July 29, 2005, the EDO approved a renewal of a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The Deviation includes oversight activities to monitor licensee improvement efforts in SCWE (Safety Conscious Work Environment) and related performance attributes.
- ▲ Note 33: On July 29, 2005, the EDO approved a renewal of a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Salem and Hope Creek Generating Stations. The Deviation includes oversight activities to monitor licensee improvement efforts in SCWE (Safety Conscious Work Environment) and related performance attributes.
- ▲ Note 34: \*Waterford Unit 3: Discrepant PI inspection completed, but the report has not been issued.

### 3Q/2006 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

Plants with current substantive cross-cutting issues are so noted with "PIR," "HP," and/or "SCWE" designations as applicable. Clicking on these designations will take you to the [ROP Substantive Cross Cutting Issues Summary](#) for additional information.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Braidwood 1<sup>1</sup></a>	<a href="#">Kewaunee<sup>2</sup> <sup>HP/PIR</sup></a>	<a href="#">Perry 1<sup>3</sup> <sup>HP/PIR</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Braidwood 2<sup>4</sup></a>	<a href="#">Palo Verde 1<sup>5</sup> <sup>HP/PIR</sup></a>	<a href="#">Point Beach 1<sup>6</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 1<sup>7</sup></a>	<a href="#">Palo Verde 2<sup>8</sup> <sup>HP/PIR</sup></a>	<a href="#">Point Beach 2<sup>9</sup></a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Brunswick 2<sup>10</sup></a>	<a href="#">Palo Verde 3<sup>11</sup> <sup>HP/PIR</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Byron 2<sup>12</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Callaway<sup>13</sup></a>			
<a href="#">Byron 1</a>	<a href="#">Calvert Cliffs 1<sup>14</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Dresden 2<sup>15</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Millstone 2<sup>16</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Oyster Creek<sup>17</sup> <sup>HP</sup></a>			
<a href="#">Clinton</a>	<a href="#">Quad Cities 1<sup>18</sup></a>			
<a href="#">Columbia Generating Station<sup>PIR</sup></a>	<a href="#">Seabrook 1<sup>19</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">South Texas 2<sup>20</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Summer<sup>21</sup></a>			
<a href="#">Cooper</a>	<a href="#">Surry 1<sup>22</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Surry 2<sup>23</sup></a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Turkey Point 3<sup>24</sup> <sup>PIR</sup></a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Turkey Point 4<sup>25</sup> <sup>PIR</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Vogtle 1<sup>26</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Vogtle 2<sup>27</sup></a>			
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2<sup>PIR</sup></a>				

[FitzPatrick](#)  
[Fort Calhoun](#)  
[Ginna](#)  
[Grand Gulf 1](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>28</sup>  
[Indian Point 3](#)<sup>29</sup>  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 2](#)  
[River Bend 1](#)<sup>PIR</sup>  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)

Vermont YankeeWaterford 3Watts Bar 1Wolf Creek 1

- ▲ Note 1: Braidwood Unit 1 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 2: Kewaunee is in the Degraded Cornerstone Column due to one white finding in the Mitigating Systems cornerstone originating in 3Q2005 and one yellow finding in the Mitigating Systems cornerstone originating in 4Q2005. In particular, the white finding originating in the Mitigating Systems cornerstone was held open in accordance with MC 0305 for greater than 4 quarters while corrective actions were being developed by the licensee to address this issue. An IP 95002 supplemental inspection was satisfactorily completed in 3Q2006; therefore, the white and yellow findings will be closed effective October 1, 2006.
- ▲ Note 3: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to the Mitigating Systems Cornerstone being degraded with multiple White findings being held open for greater than 4 consecutive quarters. In particular, the White finding initiated in 3Q2003 associated with the ESW pump failure is being held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. In addition, the White finding initiated in 4Q2003 for inadequate venting of the RHR/LPCI keep fill system is also being held open in accordance with MC 0305 for greater than 4 quarters pending the implementation of effective corrective actions.
- ▲ Note 4: Braidwood Unit 2 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 5: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they have completed additional corrective actions and are ready for the followup IP 95002 inspection. Region IV completed the followup inspection on September 1, 2006, and determined that the Yellow finding would remain open.
- ▲ Note 6: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to a red finding and a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the Emergency Preparedness Cornerstone originating in 4Q2005 is not being considered in the action matrix due to a deviation approved by the EDO.
- ▲ Note 7: Both units are in the Regulatory Response column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 8: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they have completed additional corrective actions and are ready for the followup IP 95002 inspection. Region IV completed the followup inspection on September 1, 2006, and determined that the Yellow finding would remain open.
- ▲ Note 9: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings are being held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. In addition, a white finding in the Emergency Preparedness Cornerstone originating in 4Q2005 is not being considered in the action matrix due to a deviation approved by the EDO.

- Note 10: Both units are in the Regulatory Response column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 11: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they have completed additional corrective actions and are ready for the followup IP 95002 inspection. Region IV completed the followup inspection on September 1, 2006, and determined that the Yellow finding would remain open.
- ▲ Note 12: Byron Unit 2 is in the Regulatory Response Column due to one White Performance indicator in the Mitigating Systems cornerstone originating in 2Q2006 (Mitigating Systems Performance Index, Heat Removal System)
- ▲ Note 13: Callaway Plant is in the Regulatory Response Column because of a White MSPI for the Heat Removal System. This was due to failures of pumps resulting in the unavailability of auxiliary feedwater system.
- ▲ Note 14: Calvert Cliffs Unit I was in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 3Q2006. The White finding involved inadequate design control that resulted in the incorrect over-current trip setting for the 1A emergency diesel generator support system supply breaker.
- ▲ Note 15: Dresden Unit 2 is in the Regulatory Response Column due to one White Performance indicator in the Initiating Events cornerstone originating in 3Q2006 (Initiating Events, Scrams With Loss Of Normal Heat Removal)
- ▲ Note 16: Millstone 2 is in the Regulatory Response Column due to one WHITE Performance Indicator in the Initiating Events Cornerstone originating in 1Q2006. The WHITE Performance Indicator was related to unplanned scrams with loss of normal heat removal. The supplemental inspection (95001) for the White finding was completed in September, 2006.
- ▲ Note 17: Oyster Creek was in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness (EP) Cornerstone originating in 3Q2005. The White finding involved an inadequate response to an event involving grassing of the intake structure. The finding remains open for greater than four quarters pending additional supplemental inspection to confirm that broad corrective actions have been implemented.
- ▲ Note 18: Quad Cities Unit 1 is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 19: Seabrook was in the Regulatory Response Column due to one White performance indicator(PI) in the Mitigating System cornerstone originating in 3Q2006. The White PI was related to Emergency AC Power Safety System unavailability.
- ▲ Note 20: South Texas Project, Unit 2 is in the Regulatory Response Column because of a White MSPI for Emergency AC Power Systems. This was due to a major failure of Emergency Diesel Generator 22 on December 9, 2003, which required significant time to repair. Region IV conducted the supplemental inspection and the results are currently under review.
- ▲ Note 21: The unit is in the Regulatory Response column due to a White inspection finding in the Public Radiation cornerstone (Failure to Properly Prepare a Radioactive Material Package for Shipment) originating in 1Q/2006.
- ▲ Note 22: Both units are in the Regulatory Response column due to a White inspection finding in the Emergency Preparedness cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 23: Both units are in the Regulatory Response column due to a White inspection finding in the Emergency Preparedness cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 24: Both units are in the Regulatory Response column due to a White finding in the Mitigating System cornerstone (AFW inoperable) originating in 4Q/2005.
- ▲ Note 25: Both units are in the Regulatory Response column due to a White finding in the Mitigating System



cornerstone (AFW inoperable) originating in 4Q/2005.

- ▲ Note 26: Unit 1 is in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006.
- ▲ Note 27: Unit 2 is in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006 and a White performance indicator in the Mitigating Systems cornerstone (Cooling Water Systems) originating in 3Q2006.
- ▲ Note 28: On October 31, 2005, the EDO approved a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Indian Point 2 and 3 plants. The Deviation includes oversight activities to monitor licensee action to: 1) Characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 29: On October 31, 2005, the EDO approved a Deviation from the ROP Action Matrix to provide a greater level of oversight for the Indian Point 2 and 3 plants. The Deviation includes oversight activities to monitor licensee action to: 1) Characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.

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*Last modification: Nov 06, 2006*

## 4Q/2006 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

Plants with current substantive cross-cutting issues are so noted with "PIR," "HP," and/or "SCWE" designations as applicable. Clicking on these designations will take you to the [ROP Substantive Cross Cutting Issues Summary](#) for additional information.

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">Oconee 1<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">Oconee 2<sup>5</sup></a>	<a href="#">Perry 1<sup>6</sup></a>	
<a href="#">Browns Ferry 2</a>	<a href="#">Braidwood 1<sup>7</sup></a>	<a href="#">Oconee 3<sup>8</sup></a>	<a href="#">Point Beach 1<sup>9</sup></a>	
<a href="#">Browns Ferry 3</a>	<a href="#">Braidwood 2<sup>10</sup></a>	<a href="#">Palo Verde 1<sup>11</sup></a>	<a href="#">Point Beach 2<sup>12</sup></a>	
<a href="#">Byron 1</a>	<a href="#">Brunswick 1<sup>13</sup></a>	<a href="#">Palo Verde 2<sup>14</sup></a>		
<a href="#">Calvert Cliffs 2</a>	<a href="#">Brunswick 2<sup>15</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Byron 2<sup>16</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Callaway<sup>17</sup></a>			
<a href="#">Clinton</a>	<a href="#">Calvert Cliffs 1<sup>18</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Dresden 2<sup>19</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Kewaunee<sup>20</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Oyster Creek<sup>21</sup></a>			
<a href="#">Cooper</a>	<a href="#">Quad Cities 1<sup>22</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">South Texas 2<sup>23</sup></a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Summer<sup>24</sup></a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Surry 1<sup>25</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Surry 2<sup>26</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Turkey Point 3<sup>27</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Vermont Yankee<sup>28</sup></a>			
<a href="#">Dresden 3</a>	<a href="#">Vogtle 1<sup>29</sup></a>			
<a href="#">Duane Arnold</a>	<a href="#">Vogtle 2<sup>30</sup></a>			
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				

[Ginna](#)  
[Grand Gulf 1](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>31</sup>  
[Indian Point 3](#)<sup>32</sup>  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)  
[Turkey Point 4](#)  
[Waterford 3](#)  
[Watts Bar 1](#)

Wolf Creek 1

- ▲ Note 1: Beaver Valley Units 1 & 2 were in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2006. The White finding involved inadequate dose assessment identified during the June 2006 emergency preparedness exercise.
- ▲ Note 2: All Oconee units are in the degraded cornerstone column due to a white MSPI in emergency AC power (4Q/2006) and a white finding in the mitigating systems cornerstone (the SSF flood wall breach) effective 3Q/2006. Note: The White finding is under appeal.
- ▲ Note 3: Palo Verde Nuclear Generating Station Unit 3 is in the Multiple/Repetitive Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004 and one White finding in the Mitigating systems Cornerstone. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they completed additional corrective actions and were ready for the followup IP 95002 inspection. Region IV completed the followup inspection on September 1, 2006, and determined that the Yellow finding would remain open, because corrective actions taken in response to the root causes and related programmatic concerns involving questioning attitude, technical rigor, and operability determinations were not fully effective. Additionally, licensee performance measures did not take into account all of the relevant data.
- ▲ Note 4: Beaver Valley Units 1 & 2 were in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2006. The White finding involved inadequate dose assessment identified during the June 2006 emergency preparedness exercise.
- ▲ Note 5: All Oconee units are in the degraded cornerstone column due to a white MSPI in emergency AC power (4Q/2006) and a white finding in the mitigating systems cornerstone (the SSF flood wall breach) effective 3Q/2006. Note: The White finding is under appeal.
- ▲ Note 6: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to the Mitigating Systems Cornerstone being degraded with multiple White findings being held open for greater than 4 consecutive quarters. In particular, the White finding initiated in 3Q2003 associated with the ESW pump failure is being held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. In addition, the White finding initiated in 4Q2003 for inadequate venting of the RHR/LPCI keep fill system is also being held open in accordance with MC 0305 for greater than 4 quarters pending the implementation of effective corrective actions.
- ▲ Note 7: Braidwood Unit 1 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 8: All Oconee units are in the degraded cornerstone column due to a white MSPI in emergency AC power (4Q/2006) and a white finding in the mitigating systems cornerstone (the SSF flood wall breach) effective 3Q/2006. Note: The White finding is under appeal.
- ▲ Note 9: Point Beach Unit 1 is in the Multiple/Repetitive Degraded Cornerstone Column due to a red finding and a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings were held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. Corrective Action Letter followup inspections were satisfactorily completed in 4Q2006; therefore, the red and yellow findings will be closed effective January 1, 2007.
- ▲ Note 10: Braidwood Unit 2 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 11: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they completed additional corrective actions and were ready for the followup IP 95002 inspection. Region IV completed the

followup inspection on September 1, 2006, and determined that the Yellow finding would remain open, because corrective actions taken in response to the root causes and related programmatic concerns involving questioning attitude, technical rigor, and operability determinations were not fully effective. Additionally, licensee performance measures did not take into account all of the relevant data.

- ▲ Note 12: Point Beach Unit 2 is in the Multiple/Repetitive Degraded Cornerstone Column due to two red findings in the Mitigating Systems Cornerstone originating in 1Q2002 and 1Q2003 respectively. Both findings were held open in accordance with IMC 0305 for greater than 4 quarters pending the implementation of effective corrective actions to address performance deficiencies. Corrective Action Letter followup inspections were satisfactorily completed in 4Q2006; therefore, the red findings will be closed effective January 1, 2007.
- ▲ Note 13: Both units are in the Regulatory Response column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 14: Palo Verde Nuclear Generating Station, Units 1, 2 and 3 are in the Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. The supplemental inspection was completed in December 2005. The team determined that the Yellow finding would remain open, because not all of the licensee's root and contributing causes were fully developed, many of the corrective actions were narrowly focused or ineffective, and effectiveness reviews were not adequate. The licensee subsequently informed the NRC that they completed additional corrective actions and were ready for the followup IP 95002 inspection. Region IV completed the followup inspection on September 1, 2006, and determined that the Yellow finding would remain open, because corrective actions taken in response to the root causes and related programmatic concerns involving questioning attitude, technical rigor, and operability determinations were not fully effective. Additionally, licensee performance measures did not take into account all of the relevant data.
- ▲ Note 15: Both units are in the Regulatory Response column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 16: Byron Unit 2 is in the Regulatory Response Column due to one White Performance indicator in the Mitigating Systems cornerstone originating in 2Q2006 (Mitigating Systems Performance Index, Heat Removal System)
- ▲ Note 17: Callaway Plant is in the Regulatory Response Column because of a White MSPI for the Heat Removal System. This was due to failures of pumps resulting in the unavailability of the auxiliary feedwater system. Region IV completed a supplemental IP 95001 inspection in November 2006, and found that the licensee adequately determined the root and contributing causes of the White performance indicator and established appropriate corrective actions.
- ▲ Note 18: Calvert Cliffs Unit I was in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 3Q2006. The White finding involved inadequate design control that resulted in the incorrect over-current trip setting for the 1A emergency diesel generator support system supply breaker. The supplemental inspection (95001) for the White finding was completed on January 25, 2007.
- ▲ Note 19: Dresden Unit 2 is in the Regulatory Response Column due to one White Performance indicator in the Initiating Events cornerstone originating in 3Q2006 (Initiating Events, Scrams With Loss Of Normal Heat Removal)
- ▲ Note 20: Kewaunee is in the Regulatory Response Column due to one White Performance indicator in the Initiating Events cornerstone originating in 4Q2006 (Initiating Events, Unplanned Scrams per 7,000 Critical Hours).
- ▲ Note 21: Oyster Creek was in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2005. The White finding involved an inadequate response to an event involving grassing of the intake structure. The finding remains open for greater than four quarters pending additional supplemental inspection to confirm that broad corrective actions have been implemented.
- ▲ Note 22: Quad Cities Unit 1 is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 23: South Texas Unit 2 is in the Regulatory Response Column because of a White MSPI for the for Emergency AC Power Systems. This was due to a major failure of Emergency Diesel Generator 22 on December 9, 2003, which required significant time to repair. Region IV completed a supplemental

inspection in October 2006, and found that the licensee, adequately determined the root and contributing causes of the White performance indicator and established appropriate corrective actions.

- ▲ Note 24: The unit is in the Regulatory Response column due to a White inspection finding in the Public Radiation cornerstone (Failure to Properly Prepare a Radioactive Material Package for Shipment) originating in 1Q/2006.
- ▲ Note 25: Both units are in the Regulatory Response column due to a White inspection finding in the Emergency Preparedness cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 26: Both units are in the Regulatory Response column due to a White inspection finding in the Emergency Preparedness cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 27: The unit is in the Regulatory Response Column due to a White Finding in the Initiating Events cornerstone ( a loss of all decay heat removal event). Note: Units 3 and 4 dropped off in 4Q/2006 from the Regulatory Response column for the White finding (originating 4Q/2005) in the Mitigating System cornerstone (AFW inoperable).
- ▲ Note 28: Vermont Yankee was in the Regulatory Response Column due to one White inspection finding in the Public Radiation Safety cornerstone originating in 4Q2006. The White finding involved a Vermont Yankee radioactive material shipment to another site that exceeded Department of Transportation regulatory specifications for external radiation exposure rate on the surface of the affected package.
- ▲ Note 29: Both units are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006. Note: Unit 2 had a White MSPI for Cooling Water in 3Q/2006. This returned to Green in 4Q/2006
- ▲ Note 30: Unit 2 is in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006 and a White MSPI for Cooling Water in 4Q/2006.
- ▲ Note 31: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 32: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.

# 1Q/2007 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">Brunswick 1<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">Ginna<sup>5</sup></a>	<a href="#">Perry 1<sup>6</sup></a>	
<a href="#">Browns Ferry 3</a>	<a href="#">Braidwood 1<sup>7</sup></a>	<a href="#">Kewaunee<sup>8</sup></a>		
<a href="#">Byron 1</a>	<a href="#">Braidwood 2<sup>9</sup></a>	<a href="#">Oconee 1<sup>10</sup></a>		
<a href="#">Callaway</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Oconee 2<sup>11</sup></a>		
<a href="#">Calvert Cliffs 2</a>	<a href="#">Brunswick 2<sup>12</sup></a>	<a href="#">Oconee 3<sup>13</sup></a>		
<a href="#">Catawba 1</a>	<a href="#">Byron 2<sup>14</sup></a>	<a href="#">Palo Verde 1<sup>15</sup></a>		
<a href="#">Catawba 2</a>	<a href="#">Calvert Cliffs 1<sup>16</sup></a>	<a href="#">Palo Verde 2<sup>17</sup></a>		
<a href="#">Columbia Generating Station</a>	<a href="#">Clinton<sup>18</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Cooper<sup>19</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Dresden 2<sup>20</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Duane Arnold<sup>21</sup></a>			
<a href="#">D.C. Cook 1</a>	<a href="#">Farley 2<sup>22</sup></a>			
<a href="#">D.C. Cook 2</a>	<a href="#">Fort Calhoun<sup>23</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Nine Mile Point 1<sup>24</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Oyster Creek<sup>25</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Quad Cities 1<sup>26</sup></a>			
<a href="#">Dresden 3</a>	<a href="#">Summer<sup>27</sup></a>			
<a href="#">Farley 1</a>	<a href="#">Surry 1<sup>28</sup></a>			
<a href="#">Fermi 2</a>	<a href="#">Surry 2<sup>29</sup></a>			
<a href="#">FitzPatrick</a>	<a href="#">Turkey Point 3<sup>30</sup></a>			
<a href="#">Grand Gulf 1</a>	<a href="#">Vermont Yankee<sup>31</sup></a>			
<a href="#">Harris 1</a>	<a href="#">Vogtle 1<sup>32</sup></a>			
<a href="#">Hatch 1</a>	<a href="#">Vogtle 2<sup>33</sup></a>			
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 2<sup>34</sup></a>				

[Indian Point 3<sup>35</sup>](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Monticello](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Palisades](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Pilgrim 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Susquehanna 1](#)

[Susquehanna 2](#)

[Three Mile Island 1](#)

[Turkey Point 4](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

▲ Note 1: Beaver Valley Units 1 & 2 were in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2006. The White finding involved inadequate dose assessment identified during the June 2006 emergency preparedness exercise.

▲ Note 2: Brunswick Unit 1 Final SDP was issued on April 20 leading to the unit entering Degraded cornerstone for a White Finding involving EDG #1 inoperability in combination with a previous White PI for emergency



AC Power System. The White Finding was effective on February 28, 2007, the date of the AV.

- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see above discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a K-I relay, and the failure to identify and correct the cause of erratic K-I relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit.
- ▲ Note 4: Beaver Valley Units 1 & 2 were in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2006. The White finding involved inadequate dose assessment identified during the June 2006 emergency preparedness exercise.
- ▲ Note 5: Ginna is in the Degraded Cornerstone Column due to one Yellow performance indicator (PI) in the Emergency Preparedness cornerstone originating in 1Q2007. The Yellow PI was related to Emergency Response Organization Drill Participation.
- ▲ Note 6: Perry is in the Multiple/Repetitive Degraded Cornerstone Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2007 and due to the Mitigating Systems Cornerstone being degraded with multiple white findings being held open for greater than 4 consecutive quarters. In particular, the white finding initiated in 3Q2003 associated with the ESW pump failure was held open in accordance with MC 0305 for greater than 4 quarters because corrective actions were ineffective and the pump failed again in May 2004. In addition, the white finding initiated in 4Q2003 for inadequate venting of the RHR/LPCI keep fill system was also held open in accordance with MC 0305 for greater than 4 quarters pending the implementation of effective corrective actions. Corrective Action Letter (CAL) followup inspections were satisfactorily completed and the CAL was closed during 1Q2007; therefore, the white findings were closed and the licensee entered the Regulatory Response Column effective April 1, 2007.
- ▲ Note 7: Braidwood Unit 1 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 8: Kewaunee is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 1Q2007, one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2007, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2006.
- ▲ Note 9: Braidwood Unit 2 is in the Regulatory Response Column due to one white finding in the Public Radiation Cornerstone originating in 2Q2006.
- ▲ Note 10: All Oconee units are in the degraded cornerstone column due to a white MSPI in emergency AC power (4Q/2006) and a white finding in the mitigating systems cornerstone (the SSF flood wall breach) effective 3Q/2006.
- ▲ Note 11: All Oconee units are in the degraded cornerstone column due to a white MSPI in emergency AC power (4Q/2006) and a white finding in the mitigating systems cornerstone (the SSF flood wall breach) effective 3Q/2006.
- ▲ Note 12: The unit in the Regulatory Response column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 13: All Oconee units are in the degraded cornerstone column due to a white MSPI in emergency AC power (4Q/2006) and a white finding in the mitigating systems cornerstone (the SSF flood wall breach) effective 3Q/2006.
- ▲ Note 14: Byron Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 15: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations.

- Note 16: Calvert Cliffs Unit I was in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 3Q2006. The White finding involved inadequate design control that resulted in the incorrect over-current trip setting for the 1A emergency diesel generator support system supply breaker. The supplemental inspection (95001) for the White finding was completed on January 25, 2007.
- ▲ Note 17: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations.
- ▲ Note 18: Clinton is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 3Q2006.
- ▲ Note 19: Cooper Nuclear Station is in the Regulatory Response Column because of a White performance indicator for the Mitigating Systems Performance Index, Emergency AC Power Systems. This was due to the Emergency Diesel Generator Number 2 over voltage trip on January 18, 2007, which was caused by a failed voltage regulator card. Additionally, there was an Emergency Diesel Generator failure to run in the past 36 months because of a failed lube oil fitting.
- ▲ Note 20: Dresden Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 3Q2006.
- ▲ Note 21: Duane Arnold is in the Regulatory Response Column due to one white finding in the Emergency Preparedness Cornerstone originating in 4Q2006.
- ▲ Note 22: White MSPI for RHR cooling water initiating in 1Q 2007.
- ▲ Note 23: Fort Calhoun Station is in the Regulatory Response Column because of a White performance indicator for the Mitigating System Performance Index, Emergency AC Power Systems. This was because of the recent field flash failures on February 14 and 16, 2007 of Emergency Diesel Generator 1 which placed the indicator in the present column.
- ▲ Note 24: Nine Mile Point (NMP) Unit 1 was in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 1Q2007. The White finding involved a failure to ensure the integrity of NMP's licensed operator re-qualification exams for Unit 1, calendar years 2005 and 2006. The supplemental inspection (95001) for the White finding is scheduled for November 5, 2007.
- ▲ Note 25: Oyster Creek was in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2005. The White finding involved an inadequate response to an event involving grassing of the intake structure. The finding remains open for greater than four quarters pending additional supplemental inspection to confirm that broad corrective actions have been implemented.
- ▲ Note 26: Quad Cities Unit 1 is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 27: The unit is in the Regulatory Response column due to a White inspection finding in the Public Radiation cornerstone (Failure to Properly Prepare a Radioactive Material Package for Shipment) originating in 1Q/2006.
- ▲ Note 28: Both units are in the Regulatory Response column due to a White inspection finding in the Emergency Preparedness cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 29: Both units are in the Regulatory Response column due to a White inspection finding in the Emergency Preparedness cornerstone originating in 1Q/2006. During a Full Scale Exercise Critique, the licensee did not identify a weakness associated with a risk-significant planning standard (RSPS).
- ▲ Note 30: The unit is in the Regulatory Response Column due to a White Finding in the Initiating Events cornerstone ( a loss of all decay heat removal event).(Originated 3rd Qtr 2006)
- ▲ Note 31: Vermont Yankee was in the Regulatory Response Column due to one White inspection finding in the Public Radiation Safety cornerstone originating in 4Q2006. The White finding involved a Vermont Yankee radioactive material shipment to another site that exceeded Department of Transportation

regulatory specifications for external radiation exposure rate on the surface of the affected package.

- ▲ Note 32: Both units are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006. Based on the NRC identifying additional unavailability hours, the licensee re-reported MSPI for cooling water as White in 4Q/2006.
- ▲ Note 33: Both units are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006. Based on the NRC identifying additional unavailability hours, the licensee re-reported MSPI for cooling water as White in 4Q/2006.
- ▲ Note 34: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 35: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate tritium found onsite, and 2) improve the reliability of the emergency siren system.

## 2Q/2007 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1<sup>1</sup></a>	<a href="#">Brunswick 1<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2<sup>4</sup></a>	<a href="#">D.C. Cook 1<sup>5</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Brunswick 2<sup>6</sup></a>	<a href="#">D.C. Cook 2<sup>7</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Byron 2<sup>8</sup></a>	<a href="#">Fort Calhoun<sup>9</sup></a>		
<a href="#">Browns Ferry 1</a>	<a href="#">Calvert Cliffs 1<sup>10</sup></a>	<a href="#">Kewaunee<sup>11</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Clinton<sup>12</sup></a>	<a href="#">Oconee 1<sup>13</sup></a>		
<a href="#">Browns Ferry 3</a>	<a href="#">Cooper<sup>14</sup></a>	<a href="#">Oconee 2<sup>15</sup></a>		
<a href="#">Byron 1</a>	<a href="#">Dresden 2<sup>16</sup></a>	<a href="#">Oconee 3<sup>17</sup></a>		
<a href="#">Callaway</a>	<a href="#">Duane Arnold<sup>18</sup></a>	<a href="#">Palo Verde 1<sup>19</sup></a>		
<a href="#">Calvert Cliffs 2</a>	<a href="#">Farley 2<sup>20</sup></a>	<a href="#">Palo Verde 2<sup>21</sup></a>		
<a href="#">Catawba 1</a>	<a href="#">Hatch 2<sup>22</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Indian Point 3<sup>23</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Nine Mile Point 1<sup>24</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Oyster Creek<sup>25</sup></a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Perry 1<sup>26</sup></a>			
<a href="#">Crystal River 3</a>	<a href="#">Turkey Point 3<sup>27</sup></a>			
<a href="#">Davis-Besse</a>	<a href="#">Vermont Yankee<sup>28</sup></a>			
<a href="#">Diablo Canyon 1</a>	<a href="#">Vogtle 1<sup>29</sup></a>			
<a href="#">Diablo Canyon 2</a>	<a href="#">Vogtle 2<sup>30</sup></a>			
<a href="#">Dresden 3</a>				
<a href="#">Farley 1</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				

[Hope Creek 1](#)  
[Indian Point 2<sup>31</sup>](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[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](#)  
[Waterford 3](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Beaver Valley Units 1 & 2 are in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2006. The White finding involved inadequate dose assessment identified during the June 2006 emergency preparedness exercise. The supplemental inspection (95001) for the White finding was completed in June 2007. The results of the supplemental inspection will be considered in the performance assessment process during the mid-cycle review in 3Q2007.
- ▲ Note 2: Brunswick Unit 1 is in the Degraded Cornerstone Column due a White finding in the Mitigating Systems Cornerstone, originating in 1Q/2007, and a White performance indicator in the Mitigating Systems Cornerstone (Emergency AC Power Systems), originating in 2Q/2006.
- ▲ Note 3: Palo Verde Unit 3 is in the Repetitive Degraded Cornerstone Column because of one Yellow finding originating in 4Q2004 remaining open (see above discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. The effectiveness of the licensee's corrective actions will be evaluated during the 95003 supplemental inspection.
- ▲ Note 4: Beaver Valley Units 1 & 2 are in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2006. The White finding involved inadequate dose assessment identified during the June 2006 emergency preparedness exercise. The supplemental inspection (95001) for the White finding was completed in June 2007. The results of the supplemental inspection will be considered in the performance assessment process during the mid-cycle review in 3Q2007.
- ▲ Note 5: D.C. Cook Unit 1 is in the Degraded Cornerstone Column due to one yellow performance indicator in the Emergency Preparedness Cornerstone originating in 2Q2007. Siren test failures in 2Q2007 were conservatively reported pending resolution of an associated frequently asked question.
- ▲ Note 6: Brunswick Unit 2 is in the Regulatory Response Column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) in 2Q/2006.
- ▲ Note 7: D.C. Cook Unit 2 is in the Degraded Cornerstone Column due to one yellow performance indicator in the Emergency Preparedness Cornerstone originating in 2Q2007. Siren test failures in 2Q2007 were conservatively reported pending resolution of an associated frequently asked question.
- ▲ Note 8: Byron Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 9: Fort Calhoun Station is in the Degraded Cornerstone Column, Mitigating Systems, because of a White performance indicator for six safety system functional failures (April 17, 2007) and a White finding for an improperly installed containment spray valve that rendered one train of containment spray inoperable for an operating cycle (NRC EA-07-047, May 29, 2007). In addition, the MSPI performance indicator may be White for Emergency AC Power, following the resolution of an FAQ concerning the counting of unavailability.
- ▲ Note 10: Calvert Cliffs Unit 1 is in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 3Q2006. The White finding involved inadequate design control that resulted in the incorrect over-current trip setting for the 1A emergency diesel generator support system supply breaker. The supplemental inspection (95001) for the White finding was completed in January 2007. Based on the results, this finding will be removed from consideration in the performance assessment process in 3Q2007.
- ▲ Note 11: Kewaunee is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 1Q2007, one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2007, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2006.
- ▲ Note 12: Clinton is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 3Q2006.
- ▲ Note 13: Oconee Unit 3 continues in the Degraded Cornerstone Column due a White finding in the Mitigating Systems Cornerstone, originating in 4Q/2006, and a White finding [against all 3 units] in the

Mitigating Systems Cornerstone, originating in 3Q/2006. Oconee Units 1 and 2 are also in the Degraded Cornerstone Column due to the 3Q/2006 White Mitigating System finding and a White performance indicator [against all 3 units] in the Mitigating Systems Cornerstone (Emergency AC Power Systems), originating in 4Q/2006.

- ▲ Note 14: Cooper Nuclear Station is in the Regulatory Response Column because of a White performance indicator for the Mitigating Systems Performance Index, Emergency AC Power Systems. This was due to the Emergency Diesel Generator Number 2 over voltage trip on January 18, 2007, which was caused by a failed voltage regulator card. Additionally, there was an Emergency Diesel Generator failure to run in the past 36 months because of a failed lube oil fitting.
- ▲ Note 15: Oconee Unit 3 continues in the Degraded Cornerstone Column due a White finding in the Mitigating Systems Cornerstone, originating in 4Q/2006, and a White finding [against all 3 units] in the Mitigating Systems Cornerstone, originating in 3Q/2006. Oconee Units 1 and 2 are also in the Degraded Cornerstone Column due to the 3Q/2006 White Mitigating System finding and a White performance indicator [against all 3 units] in the Mitigating Systems Cornerstone (Emergency AC Power Systems), originating in 4Q/2006.
- ▲ Note 16: Dresden Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Initiating Events Cornerstone originating in 3Q2006.
- ▲ Note 17: Oconee Unit 3 continues in the Degraded Cornerstone Column due a White finding in the Mitigating Systems Cornerstone, originating in 4Q/2006, and a White finding [against all 3 units] in the Mitigating Systems Cornerstone, originating in 3Q/2006. Oconee Units 1 and 2 are also in the Degraded Cornerstone Column due to the 3Q/2006 White Mitigating System finding and a White performance indicator [against all 3 units] in the Mitigating Systems Cornerstone (Emergency AC Power Systems), originating in 4Q/2006.
- ▲ Note 18: Duane Arnold is in the Regulatory Response Column due to one white finding in the Emergency Preparedness Cornerstone originating in 4Q2006.
- ▲ Note 19: Palo Verde Units 1 and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. The effectiveness of the licensee's corrective actions will be evaluated during the 95003 supplemental inspection.
- ▲ Note 20: Farley Unit 2 is in the Regulatory Response Column due to a White performance indicator in the Mitigating Systems Cornerstone (Residual Heat Removal System), in 2Q/2007.
- ▲ Note 21: Palo Verde Units 1 and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. The effectiveness of the licensee's corrective actions will be evaluated during the 95003 supplemental inspection.
- ▲ Note 22: Hatch Unit 2 is in the Regulatory Response Column due to a White performance indicator in the Mitigating Systems Cornerstone (High Pressure Injection System), in 2Q/2007.
- ▲ Note 23: Indian Point Unit 3 transitioned to the Regulatory Response Column due to one White performance indicator (PI) in the Initiating Events cornerstone originating in 2Q2007. The White PI was related to exceeding the limit for Unplanned Scrams per 7000 Critical Hours. On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities

to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.

- ▲ Note 24: Nine Mile Point (NMP) Unit 1 is in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 1Q2007. The White finding involved a failure to ensure the integrity of NMP's licensed operator re-qualification exams for Unit 1, calendar years 2005 and 2006. The supplemental inspection (95001) for the White finding is scheduled for November 2007.
- ▲ Note 25: Oyster Creek is in the Regulatory Response Column due to one White inspection finding in the Emergency Preparedness cornerstone originating in 3Q2005. The White finding involved an inadequate response to an event involving grassing of the intake structure. The finding remains open for greater than four quarters pending additional supplemental inspection to confirm that broad corrective actions have been implemented. The supplemental inspection (95001) for the White finding was completed in June 2007. The results of the supplemental inspection will be considered in the performance assessment process during the mid-cycle review in 3Q2007.
- ▲ Note 26: Perry is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2007.
- ▲ Note 27: Turkey Point Unit 3 is in the Regulatory Response Column due to a White Finding in the Initiating Events cornerstone (a loss of all decay heat removal event). (Originated 3rd Qtr 2006)
- ▲ Note 28: Vermont Yankee is in the Regulatory Response Column due to one White inspection finding in the Public Radiation Safety cornerstone originating in 4Q2006. The White finding involved a Vermont Yankee radioactive material shipment to another site that exceeded Department of Transportation regulatory specifications for external radiation exposure rate on the surface of the affected package. The supplemental inspection (95001) for the White finding is scheduled for July 2007.
- ▲ Note 29: Vogtle Unit 1 is in the Regulatory Response Column due to a White finding in the Emergency Preparedness Cornerstone, originating in 3Q/2006. Vogtle Unit 2 is also in the Regulatory Response Column due to the same White finding as on Unit 1, as well as a White performance indicator in the Mitigating Systems Cornerstone (Cooling Water Systems) in 4Q/2006.
- ▲ Note 30: Vogtle Unit 1 is in the Regulatory Response Column due to a White finding in the Emergency Preparedness Cornerstone, originating in 3Q/2006. Vogtle Unit 2 is also in the Regulatory Response Column due to the same White finding as on Unit 1, as well as a White performance indicator in the Mitigating Systems Cornerstone (Cooling Water Systems) in 4Q/2006.
- ▲ Note 31: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.



### 3Q/2007 ROP Action Matrix Summary

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. [Physical Protection](#) information is not publicly available and the associated performance indicators and inspection findings are not integrated into the Action Matrix Summary.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 2<sup>1</sup></a>	<a href="#">Brunswick 1<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Byron 2<sup>4</sup></a>	<a href="#">D.C. Cook 1<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Clinton<sup>6</sup></a>	<a href="#">D.C. Cook 2<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Cooper<sup>8</sup></a>	<a href="#">Farley 1<sup>9</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Duane Arnold<sup>10</sup></a>	<a href="#">Farley 2<sup>11</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Fort Calhoun<sup>12</sup></a>	<a href="#">Kewaunee<sup>13</sup></a>		
<a href="#">Browns Ferry 1</a>	<a href="#">Hatch 2<sup>14</sup></a>	<a href="#">Oconee 3<sup>15</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Nine Mile Point 1<sup>16</sup></a>	<a href="#">Palo Verde 1<sup>17</sup></a>		
<a href="#">Browns Ferry 3</a>	<a href="#">Oconee 1<sup>18</sup></a>	<a href="#">Palo Verde 2<sup>19</sup></a>		
<a href="#">Byron 1</a>	<a href="#">Oconee 2<sup>20</sup></a>			
<a href="#">Callaway</a>	<a href="#">Perry 1<sup>21</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Vermont Yankee<sup>22</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Vogtle 1<sup>23</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Vogtle 2<sup>24</sup></a>			
<a href="#">Catawba 2</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				

[Harris 1](#)  
[Hatch 1](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>25</sup>  
[Indian Point 3](#)<sup>26</sup>  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oyster Creek](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 1](#)<sup>27</sup>  
[Prairie Island 2](#)<sup>28</sup>  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[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](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

- ▲ Note 1: Brunswick Unit 2 is in the Regulatory Response column due to a White performance indicator in the Mitigating System cornerstone (Emergency AC Power Systems) originating in 2Q/2006.
- ▲ Note 2: Brunswick Unit 1 Final SDP was issued on April 20 leading to the unit entering Degraded Cornerstone for a White Finding involving EDG #1 inoperability in combination with a previous White PI for emergency AC Power System. The White Finding was effective on February 28, 2007, the date of the AV. 95002 inspection was completed on August 30. Brunswick Unit 1 also has a White performance indicator in Mitigating Systems Cornerstone (Cooling Water Systems) originating in 3Q/2007.
- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see above discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. The effectiveness of the licensee's corrective actions will be evaluated during the 95003 supplemental inspection being conducted in the fourth quarter of CY 2007.
- ▲ Note 4: Byron Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 2Q2006.
- ▲ Note 5: D.C. Cook Unit 1 is in the Degraded Cornerstone Column due to one yellow performance indicator in the Emergency Preparedness Cornerstone originating in 2Q2007
- ▲ Note 6: Clinton is in the Regulatory Response Column due to one white finding in the Mitigating Systems Cornerstone originating in 3Q2006. This finding was held open in accordance with MC 0305 for greater than 4 quarters pending the licensee notifying the NRC of its readiness for the required supplemental inspection (IP 95001). The supplemental inspection was successfully completed on September 7, 2007; therefore, the white finding was closed and will no longer be considered in the action matrix effective October 1, 2007.
- ▲ Note 7: D.C. Cook Unit 2 is in the Degraded Cornerstone Column due to one yellow performance indicator in the Emergency Preparedness Cornerstone originating in 2Q2007.
- ▲ Note 8: Cooper Nuclear Station is in the Regulatory Response Column because of a White finding and a White performance indicator for the Mitigating Systems Performance Index, Emergency AC Power Systems. The White finding was associated with the licensee's failure to identify and correct Emergency Diesel Generator Number 2 voltage regulator components that contributed to an emergency diesel generator failure on January 18, 2007. The White performance indicator was due to the Emergency Diesel Generator Number 2 over-voltage trip on January 18, 2007, which was caused by a failed voltage regulator card. Additionally, there was an Emergency Diesel Generator failure to run in the past 36 months because of a failed lube oil fitting. Consistent with the guidance in NRC Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," Section 06.06.b, the NRC staff performed a review of the EDG failure that was common to both the White performance indicator result and the White finding (i.e., a failed diode in the voltage regulator circuit of EDG 2) to determine whether or not the circumstances associated with this issue constitute "double counting" of a performance indicator and an inspection finding as currently defined by NRC guidance. The NRC has determined that the White Performance Indicator result and the White finding should be counted as one assessment input for the purposes of the Reactor Oversight Process Action Matrix and that CNS remains in the Regulatory Response Column of the NRC's Action Matrix.
- ▲ Note 9: Farley Unit 1 is in the Degraded Cornerstone Column due to a White PI in the Mitigating System Cornerstone for Cooling Water System issues originating in 3rd Qtr 2007, and a parallel White Performance Indicator Finding in the Mitigating System Cornerstone for both units regarding breaker

failures issued in the 3rd Qtr 2007.

- ▲ Note 10: Duane Arnold is in the Regulatory Response Column due to one white finding in the Emergency Preparedness Cornerstone originating in 4Q2006.
- ▲ Note 11: Farley Unit 2 entered the degraded cornerstone column in the 3rd quarter 2007 based on the Yellow finding in the mitigating systems cornerstone.
- ▲ Note 12: Fort Calhoun Station is in the Regulatory Response column of the NRC's Action Matrix based on one White finding in the Mitigating Systems Cornerstone. The White finding involved the improper installation of the valve disk of Containment Spray Header Isolation Valve. The Safety System Functional Failure performance indicator transitioned from White to Green in the 3rd Qtr 2007. The staff will still conduct the IP 95002 inspection since the plant was in Column 3 of the ROP Action Matrix during the 2nd Qtr 2007 (currently scheduled for early 2008).
- ▲ Note 13: Kewaunee is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 1Q2007 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2006
- ▲ Note 14: Hatch Unit 2 is in the Regulatory Response Column due to a White PI in the Mitigating System Cornerstone for High Head Safety Injection system issues originating in 2nd Qtr 2007.
- ▲ Note 15: Oconee Unit 3 remained in the Degraded Cornerstone Column due to the 3Q/2006 White SSF flood wall breach Finding and a 4Q/2006 White reactor building emergency sump debris Finding.
- ▲ Note 16: Nine Mile Point (NMP) Unit 1 was in the Regulatory Response Column due to one White inspection finding in the Mitigating System cornerstone originating in 1Q2007. The White finding involved a failure to ensure the integrity of NMP's licensed operator re-qualification exams for Unit 1, calendar years 2005 and 2006. The supplemental inspection (95001) for the White finding is scheduled for November 2007.
- ▲ Note 17: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. The effectiveness of the licensee's corrective actions will be evaluated during the performance of the IP 95003 supplemental inspection being in the fourth quarter of CY 2007.
- ▲ Note 18: Upon changing to a "four segment" calculational approach, the 3Q/2007 MSPI for Emergency AC Power turned from White to Green for all three Oconee Units. Consequently, Oconee Units 1 and 2 went from the Degraded Cornerstone Column to the Regulatory Response Column due to the remaining 3Q/2006 White SSF flood wall breach Finding.
- ▲ Note 19: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. The effectiveness of the licensee's corrective actions will be evaluated during the performance of the IP 95003 supplemental inspection being in the fourth quarter of CY 2007.
- ▲ Note 20: Upon changing to a "four segment" calculational approach, the 3Q/2007 MSPI for Emergency AC Power turned from White to Green for all three Oconee Units. Consequently, Oconee Units 1 and 2 went from the Degraded Cornerstone Column to the Regulatory Response Column due to the remaining 3Q/2006 White SSF flood wall breach Finding.
- ▲ Note 21: Perry is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2007.

- ▲ Note 22: Vermont Yankee was in the Regulatory Response Column due to one White inspection finding in the Public Radiation Safety cornerstone originating in 4Q2006. The White finding involved a Vermont Yankee radioactive material shipment to another site that exceeded Department of Transportation regulatory specifications for external radiation exposure rate on the surface of the affected package. The supplemental inspection (95001) for the White finding was completed in July 2007. Based on the results, this finding will be removed from consideration in the performance assessment process in 4Q2007.
- ▲ Note 23: Vogtle Unit 1 and 2 are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006.
- ▲ Note 24: Vogtle Unit 1 and 2 are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006.
- ▲ Note 25: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 26: On December 21, 2006, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2007, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 27: Prairie Island Unit 1 corrected the Occupational Radiation Safety Cornerstone performance indicator data for 2Q2006 and 4Q2006. As a result, Prairie Island Unit 1 was in the Regulatory Response Column in 4Q2006 and 1Q2007 due to one white performance indicator.
- ▲ Note 28: Prairie Island Unit 2 corrected the Occupational Radiation Safety Cornerstone performance indicator data for 2Q2006 and 4Q2006. As a result, Prairie Island Unit 2 was in the Regulatory Response Column in 4Q2006 and 1Q2007 due to one white performance indicator.

## 4Q/2007 ROP Action Matrix Summary

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.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 1<sup>1</sup></a>	<a href="#">Browns Ferry 1<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Byron 2<sup>4</sup></a>	<a href="#">Farley 1<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Cooper<sup>6</sup></a>	<a href="#">Farley 2<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Hatch 2<sup>8</sup></a>	<a href="#">Fort Calhoun<sup>9</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Nine Mile Point 1<sup>10</sup></a>	<a href="#">Kewaunee<sup>11</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Perry 1<sup>12</sup></a>	<a href="#">Palo Verde 1<sup>13</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Vogtle 1<sup>14</sup></a>	<a href="#">Palo Verde 2<sup>15</sup></a>		
<a href="#">Browns Ferry 3</a>	<a href="#">Vogtle 2<sup>16</sup></a>	<a href="#">Salem 1<sup>17</sup></a>		
<a href="#">Brunswick 2</a>				
<a href="#">Byron 1</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				

[Ginna](#)  
[Grand Gulf 1](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>18</sup>  
[Indian Point 3](#)<sup>19</sup>  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[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](#)  
[Waterford 3](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

- ▲ Note 1: Brunswick Unit 1 is in the Regulatory Response Column for a White Finding involving EDG #1 inoperability in 1Q/2007.
- ▲ Note 2: Browns Ferry Unit 1 is in the Degraded Cornerstone Column due to one Yellow Performance Indicator for Unplanned Scrams in the Initiating Events Cornerstone originating in 4Q/2007.
- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see above discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. On June 21, 2007, a CAL was issued to the licensee in response to their shift to Column 4 of the action matrix. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow and White findings. The IP 95003 report is expected to be issued on or before February 1, 2008. The licensee will receive an updated CAL incorporating the results of the 95003 supplemental inspection and review of the site improvement plan following issuance of the IP 95003 report.
- ▲ Note 4: Byron Unit 2 is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 2Q/2006.
- ▲ Note 5: Farley Unit 1 is in the Degraded Cornerstone Column due to a White PI in the Mitigating System Cornerstone for Cooling Water System issues originating in 3Q/ 2007, and a parallel White Performance Indicator Finding in the Mitigating System Cornerstone for both units regarding breaker failures issued in the 3Q/2007.
- ▲ Note 6: Cooper Nuclear Station is in the Regulatory Response Column because of a White finding in the Mitigating Systems Cornerstone originating in 2Q/2007.
- ▲ Note 7: Farley Unit 2 is in the Degraded Cornerstone Column due to a White PI in the Mitigating Systems Cornerstone for RHR issues originating in 2Q/2007, and a parallel White Performance Indicator Finding in the Mitigating Systems Cornerstone for both units regarding breaker failures issued in the 3Q/2007.
- ▲ Note 8: Hatch Unit 2 is in the Regulatory Response Column due to a White PI in the Mitigating Systems Cornerstone for High Head Safety Injection system issues originating in 2Q/2007.
- ▲ Note 9: Fort Calhoun Station is in the Degraded Cornerstone column of the NRC's Action Matrix based on two White findings associated with the Mitigating Systems Cornerstone. One White finding involved the improper installation of the valve disk of Containment Spray Header Isolation Valve HCV-345, issued May 29, 2007 (NRC EA-07-047). The second involved inadequate corrective actions and improper maintenance on emergency diesel generators, issued December 7, 2007 (NRC EA-07-0194). The Safety System Functional Failure performance indicator also crossed the Green to White threshold during the second quarter of 2007 because of seven reported failures. Currently, this performance indicator is Green since the licensee has re-evaluated two previously reported failures. The NRC is reviewing the re-characterization of these two issues. The 95002 supplemental inspection will be conducted during the first quarter of CY 2008.
- ▲ Note 10: Nine Mile Point (NMP) Unit 1 was in the Regulatory Response Column due to one White inspection



finding in the Mitigating System cornerstone originating in 1Q/2007. The White finding involved a failure to ensure the integrity of NMP's licensed operator re-qualification exams for Unit 1, calendar years 2005 and 2006. The supplemental inspection for the White finding was completed in December 2007. Based on the results, this finding will be removed from consideration in the performance assessment process in 1Q/2008.

- ▲ Note 11: Kewaunee is in the Degraded Cornerstone Column due to one yellow finding in the Mitigating Systems Cornerstone originating in 1Q2007.
- ▲ Note 12: Perry is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q/2007 and one white performance indicator in the Initiating Events Cornerstone.
- ▲ Note 13: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding.
- ▲ Note 14: Vogtle Unit 1 is in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006. In addition, a White performance indicator in the Mitigating Systems Cornerstone for cooling water was reported for Unit 1 in 4Q/2007 and for Unit 2 in 3Q/2007.
- ▲ Note 15: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding.
- ▲ Note 16: Vogtle Unit 2 is in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006. In addition, a White performance indicator in the Mitigating Systems Cornerstone for cooling water was reported for Unit 1 in 4Q/2007 and for Unit 2 in 3Q/2007.
- ▲ Note 17: Salem Unit 1 transitioned to the Degraded Cornerstone Column due to on Yellow performance indicator (PI) in the Mitigating System cornerstone originating in 4Q2007. The Yellow PI involved exceeding the limits for Emergency AC Power Systems reliability. A supplemental inspection for the Yellow PI will be performed.
- ▲ Note 18: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2008, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 19: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point 2 and 3 plants through calendar year 2008, or until the licensee meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren

system.

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*Last modification: Feb 04, 2008*

# 1Q/2008 ROP Action Matrix Summary

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.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Browns Ferry 1<sup>1</sup></a>	<a href="#">Cooper<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Byron 1<sup>4</sup></a>	<a href="#">Farley 1<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Byron 2<sup>6</sup></a>	<a href="#">Farley 2<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Comanche Peak 1<sup>8</sup></a>	<a href="#">Fort Calhoun<sup>9</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Grand Gulf 1<sup>10</sup></a>	<a href="#">Palo Verde 1<sup>11</sup></a>		
<a href="#">Braidwood 2</a>	<a href="#">Hatch 2<sup>12</sup></a>	<a href="#">Palo Verde 2<sup>13</sup></a>		
<a href="#">Browns Ferry 2</a>	<a href="#">Perry 1<sup>14</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">River Bend 1<sup>15</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Vogtle 1<sup>16</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Vogtle 2<sup>17</sup></a>			
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				

[Harris 1](#)  
[Hatch 1](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>18</sup>  
[Indian Point 3](#)<sup>19</sup>  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[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](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[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](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

- ▲ Note 1: Browns Ferry Unit 1 is in the Regulatory Response Column due to one White Performance Indicator for Unplanned Scrams in the Initiating Events Cornerstone originating in 4Q/2007.
- ▲ Note 2: Cooper Nuclear Station is in the Degraded Cornerstone Column because of two White findings in the Mitigating Systems Cornerstone. The first White finding was associated with the licensee's failure to identify and correct Emergency Diesel Generator Number 2 voltage regulator components that contributed to an emergency diesel generator failure on January 18, 2007. The second White finding issued on June 13, 2008 and involved two procedures used by operators to bring the plant to a safe shutdown condition in the event of certain postulated fire scenarios. The procedures could not be performed as written. The exit for the White finding was conducted on March 18, 2008
- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see below discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. On June 21, 2007, a CAL was issued to the licensee in response to their shift to Column 4 of the action matrix. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow and White findings. The IP 95003 report is expected to be issued on or before February 1, 2008. The licensee will receive an updated CAL incorporating the results of the 95003 supplemental inspection and review of the site improvement plan following issuance of the IP 95003 report.
- ▲ Note 4: Byron Unit 1 is in the Regulatory Response Column due to one white finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 5: Farley Unit 1 is in the Degraded Cornerstone Column due to a White PI in the Mitigating System Cornerstone for Cooling Water System issues originating in 3Q/ 2007, and a parallel White Performance Indicator Finding in the Mitigating System Cornerstone for both units regarding breaker failures issued in the 3Q/2007. Farley Unit 1 reported a new White Performance Indicator for Emergency AC Power Systems in the Mitigating Systems Cornerstone 1Q/2008. An FAQ will be submitted by the licensee regarding the White PI for Emergency AC Power Systems in the Mitigating System Cornerstone.
- ▲ Note 6: Byron Unit 2 is in the Regulatory Response Column due to one white finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 7: Farley Unit 2 is in the Degraded Cornerstone Column due to a White PI in the Mitigating Systems Cornerstone for RHR issues originating in 2Q/2007, a parallel White Performance Indicator Finding in the Mitigating Systems Cornerstone for both units regarding breaker failures issued in the 3Q/2007, and a yellow finding in the mitigating systems cornerstone originating in the 3rd quarter 2007.
- ▲ Note 8: Comanche Peak, Unit 1 is in the Regulatory Response Column based on a White finding associated with the Mitigating Systems Cornerstone. The finding was issued on February 29, 2008 and involved exceeding the Technical Specification allowed outage time for emergency diesel generators when diesel generator 1-02 was rendered inoperable due to painting activities resulting in paint being deposited on at least one fuel rack in a location that prevented motion required to support operation of the diesel generator. This caused diesel generator 1-02 to fail to start during a surveillance test on November 21, 2007. A 95001 supplemental inspection will be conducted at a future date to assess the

adequacy of the licensee's corrective actions.

- ▲ Note 9: Fort Calhoun Station is in the Degraded Cornerstone Column based on two White findings both associated with the Mitigating Systems Cornerstone. The finding was issued on December 7, 2007 and involved inadequate corrective actions and improper maintenance on emergency diesel generators. The NRC completed the onsite portion of the 95002 supplemental inspection in 1Q2008. The NRC concluded that Fort Calhoun Station adequately addressed the Safety Systems Functional Failure Performance Indicator, that was White for one quarter, and the second White finding associated with inadequate maintenance and post-maintenance testing on a containment spray header isolation valve. However, Fort Calhoun Station inadequately addressed the White finding associated with inadequate maintenance procedures for the failed field flash relay and auxiliary contacts on an emergency diesel generator. Consequently, this finding will remain open, and will be considered in the assessment process, pending the completion of a future NRC inspection to verify satisfactory completion of corrective actions.
- ▲ Note 10: Grand Gulf Nuclear Station is in the Regulatory Response Column because of a White performance indicator for Unplanned Scrams per 7000 Critical Hours. The performance indicator crossed the Green-White threshold due to a March 21, 2008 main generator trip and subsequent reactor scram. The IP 95001 inspection will be conducted after the licensee completes a review and identifies corrective actions to address the causes for the multiple scrams which resulted in the White performance indicator.
- ▲ Note 11: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding.
- ▲ Note 12: Hatch Unit 2 is in the Regulatory Response Column due to a White PI in the Mitigating Systems Cornerstone for High Head Safety Injection system issues originating in 2Q/2007.
- ▲ Note 13: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.
- ▲ Note 14: Perry is in the Regulatory Response Column due to one white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2007.
- ▲ Note 15: River Bend Station is in the Regulatory Response Column because of a White performance indicator for Unplanned Scrams per 7000 Critical Hours. The performance indicator crossed the Green-White threshold due to a March 5, 2008 scram due to a main turbine generator electro-hydraulic control speed sensor circuit failure. The IP 95001 inspection will be conducted after the licensee completes a review and identifies corrective actions to address the causes for the multiple scrams which resulted in the White performance indicator.
- ▲ Note 16: Both units are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006.
- ▲ Note 17: Both units are in the Regulatory Response column due to a White finding in the Emergency Preparedness cornerstone originating in 3Q/2006.
- ▲

Note 18: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2008, or until Entergy meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.

▲ Note 19: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2008, or until Entergy meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.

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*Last modification: July 31, 2008*

## 2Q/2008 ROP Action Matrix Summary

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.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Byron 1<sup>1</sup></a>	<a href="#">Cooper<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Byron 2<sup>4</sup></a>	<a href="#">Farley 1<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Comanche Peak 1<sup>6</sup></a>	<a href="#">Farley 2<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Fort Calhoun<sup>8</sup></a>	<a href="#">Palo Verde 1<sup>9</sup></a>		
<a href="#">Braidwood 1</a>	<a href="#">Hatch 2<sup>10</sup></a>	<a href="#">Palo Verde 2<sup>11</sup></a>		
<a href="#">Braidwood 2</a>				
<a href="#">Browns Ferry 1</a>				
<a href="#">Browns Ferry 2</a>				
<a href="#">Browns Ferry 3</a>				
<a href="#">Brunswick 1</a>				
<a href="#">Brunswick 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				



[Grand Gulf 1](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>12</sup>  
[Indian Point 3](#)<sup>13</sup>  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[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](#)  
[Palisades](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[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](#)

- ▲ Note 1: Byron Unit 1 is in the Regulatory Response Column due to one white finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 2: Cooper Nuclear Station is in the Degraded Cornerstone Column because of two White findings in the Mitigating Systems Cornerstone. The First White finding was issued on June 13, 2008 and involved two procedures used by operators to bring the plant to a safe shutdown condition in the event of certain postulated fire scenarios. The procedures could not be performed as written. The exit for this White finding was conducted on March 18, 2008. The Second White finding involved inadequate procedural guidance for maintenance activities that led to a failure of the Division 2 emergency diesel generator on January 15, 2008, from a loose electrical connection.
- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see above discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. On June 21, 2007, a CAL was issued to the licensee in response to their shift to Column 4 of the action matrix. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow and White findings. The IP 95003 inspection report was issued on February 1, 2008. On February 15, 2008, a revised CAL was issued that delineated the key performance areas that need to be addressed prior to Palo Verde Unit 3 exiting Column 4 of the action matrix.
- ▲ Note 4: Byron Unit 2 is in the Regulatory Response Column due to one white finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 5: Farley Unit 1 is in the Degraded Cornerstone Column due to a White PI in the Mitigating System Cornerstone for Cooling Water System issues originating 3Q/2007, and a parallel White Performance Indicator Finding in the Mitigating System Cornerstone for both units regarding breaker failures issued 3Q/2007. The Parallel White finding and White MSPI were inspected (95002) during 2Q/2008 and the licensee's actions were found sufficient. The licensee implemented a modification to decrease the risk associated with a Component Cooling Water (CCW) pump failure in 2Q/2008 which could improve the currently White Cooling Water MSPI. Also, Farley Unit 1 reported a White Performance Indicator for Emergency AC Power Systems in the Mitigating Systems Cornerstone 1Q/2008. An inspection (95001) is planned for 3Q 2008.
- ▲ Note 6: Comanche Peak, Unit 1 is in the Regulatory Response Column based on a White finding associated with the Mitigating Systems Cornerstone. The finding was issued on February 29, 2008 and involved exceeding the Technical Specification allowed outage time for emergency diesel generators when diesel generator 1-02 was rendered inoperable due to painting activities resulting in paint being deposited on at least one fuel rack in a location that prevented motion required to support operation of the diesel generator. This caused diesel generator 1-02 to fail to start during a surveillance test on

November 21, 2007. A 95001 supplemental inspection was conducted on June 2 – 6, 2008 to assess the adequacy of the licensee's corrective actions.

- ▲ Note 7: Farley Unit 2 is in the Degraded Cornerstone Column due to a Yellow Finding for repetitive failures of a containment sump valve and a parallel White Performance Indicator Finding in the Mitigating Systems Cornerstone regarding breaker failures issued 3Q/2007. The Yellow finding, Parallel White finding, and previously White RHR MSPI were inspected (95002) during 2Q/2008 and the licensee's actions were found to be sufficient. The previously White RHR MSPI was reported Green 2Q/2008.
- ▲ Note 8: Fort Calhoun was in the Regulatory Response Column due to one White EDG finding being open during the quarter. During 1Q2008, the NRC conducted an IP 95002 inspection and closed most of the issues, but held the White EDG finding open pending the development of additional corrective measures by the licensee. During 2Q2008, the NRC reviewed the corrective measures and found them acceptable. The White EDG finding will be closed and Fort Calhoun will transition to the Licensee Response Column in 3Q2008 absent further action matrix inputs.
- ▲ Note 9: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.
- ▲ Note 10: Hatch Unit 2 is in the Regulatory Response Column due to a White PI in the Mitigating Systems Cornerstone for High Pressure Injection system issues originating 2Q/2007. A 95001 inspection was completed 1Q/2008.
- ▲ Note 11: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.
- ▲ Note 12: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2008, or until Entergy meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 13: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2008, or until Entergy meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.

3Q/2008 ROP Action Matrix Summary

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.

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Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Byron 1<sup>1</sup></a>	<a href="#">Cooper<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Byron 2<sup>4</sup></a>	<a href="#">Palo Verde 1<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Comanche Peak 1<sup>6</sup></a>	<a href="#">Palo Verde 2<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Farley 1<sup>8</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Hatch 2<sup>9</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">McGuire 1<sup>10</sup></a>			
<a href="#">Browns Ferry 1</a>	<a href="#">McGuire 2<sup>11</sup></a>			
<a href="#">Browns Ferry 2</a>				
<a href="#">Browns Ferry 3</a>				
<a href="#">Brunswick 1</a>				
<a href="#">Brunswick 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
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<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hope Creek 1</a>				

[Indian Point 2<sup>12</sup>](#)

[Indian Point 3<sup>13</sup>](#)

[Kewaunee](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 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](#)

[Palisades](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Pilgrim 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[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](#)

- ▲ Note 1: Byron Unit 1 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 2: Cooper Nuclear Station is in the Degraded Cornerstone Column because of two White findings in the Mitigating Systems Cornerstone. The first White finding was issued on June 13, 2008 and involved two procedures used by operators to bring the plant to a safe shutdown condition in the event of certain postulated fire scenarios. The procedures could not be performed as written. The exit for this White finding was conducted on March 18, 2008. The second White finding involved inadequate procedural guidance for maintenance activities that led to a failure of the Division 2 emergency diesel generator on January 15, 2008, from a loose electrical connection.
- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see discussion for Palo Verde Unit 1 or 2), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. On June 21, 2007, a CAL was issued to the licensee in response to their shift to Column 4 of the action matrix. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow and White findings. The IP 95003 inspection report was issued on February 1, 2008. On February 15, 2008, a revised CAL was issued that delineated the key performance areas that need to be addressed prior to Palo Verde Unit 3 exiting Column 4 of the action matrix. In the 3Q2008 the white inspection finding was closed based on NRC review of licensee actions. As previously discussed Palo Verde Unit 3 will remain in Column 4 of the action matrix until CAL closure.
- ▲ Note 4: Byron Unit 2 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 5: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.
- ▲ Note 6: Comanche Peak, Unit 1 is in the Regulatory Response Column based on a White finding associated with the Mitigating Systems Cornerstone. The finding was issued on February 29, 2008 and involved exceeding the Technical Specification allowed outage time for emergency diesel generators when diesel generator 1-02 was rendered inoperable due to painting activities resulting in paint being deposited on at least one fuel rack in a location that prevented motion required to support operation of the diesel generator. This caused diesel generator 1-02 to fail to start during a surveillance test on November 21, 2007. A 95001 supplemental inspection was conducted on June 2 – 6, 2008 to assess the adequacy of the licensee's corrective actions.
- ▲ Note 7: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.
- ▲ Note 8: Farley Unit 1 is in the Regulatory Response Column due to a White PI for Emergency AC Power System and an associated White inspection Finding. Note that the White Finding is not double counted in the Action Matrix. A 95001 inspection was conducted in 3Q/2008 for the EDG MSPI and White Finding. The licensee implemented a modification to decrease the risk associated with a Component Cooling Water (CCW) system in 2Q/2008, which improved the existing White Cooling Water MSPI. Subsequently, the licensee reported the CCW MSPI Green for 3Q/2008. This White MSPI had previously been reviewed during a 95002 supplemental inspection.
- ▲ Note 9: Hatch Unit 2 is in the Regulatory Response Column due to a White PI in the Mitigating Systems Cornerstone for High Pressure Injection system issues originating 2Q/2007. A 95001 inspection was completed 1Q/2008.
- ▲ Note 10: McGuire Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲

- Note 11: McGuire Unit 2 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 12: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2008, or until Entergy meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.
- ▲ Note 13: On December 19, 2007, the EDO approved the deviation memo to continue to provide heightened oversight for Indian Point Units 2 and 3 through calendar year 2008, or until Entergy meets the criteria defined in the deviation memo. The deviation from the Reactor Oversight Process Action Matrix includes oversight activities to monitor licensee actions to: 1) characterize and remediate groundwater contamination found onsite, and 2) improve the reliability of the emergency siren system.

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*Last modification: Dec 02, 2008*

# 4Q/2008 ROP Action Matrix Summary

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.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Byron 1<sup>1</sup></a>	<a href="#">Cooper<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Byron 2<sup>4</sup></a>	<a href="#">Palo Verde 1<sup>5</sup></a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Comanche Peak 1<sup>6</sup></a>	<a href="#">Palo Verde 2<sup>7</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Farley 1<sup>8</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Grand Gulf 1<sup>9</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Hatch 2<sup>10</sup></a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Kewaunee<sup>11</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">McGuire 1<sup>12</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">McGuire 2<sup>13</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">Nine Mile Point 2<sup>14</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">Oconee 1<sup>15</sup></a>			
<a href="#">Callaway</a>	<a href="#">Palisades<sup>16</sup></a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Prairie Island 1<sup>17</sup></a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">San Onofre 2<sup>18</sup></a>			
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				



[Duane Arnold](#)  
[Farley 2](#)  
[Fermi 2](#)  
[FitzPatrick](#)  
[Fort Calhoun](#)  
[Ginna](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>19</sup>  
[Indian Point 3](#)<sup>20</sup>  
[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](#)  
[Oyster Creek](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Perry 1](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 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](#)  
[Seabrook 1](#)  
[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](#)

- ▲ Note 1: Byron Unit 1 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 2: Cooper Nuclear Station is in the Degraded Cornerstone Column because of two White findings in the Mitigating Systems Cornerstone. The first White finding was issued on June 13, 2008 and involved two procedures used by operators to bring the plant to a safe shutdown condition in the event of certain postulated fire scenarios. The procedures could not be performed as written. The exit for this White finding was conducted on March 18, 2008. The second White finding involved inadequate procedural guidance for maintenance activities that led to a failure of the Division 2 emergency diesel generator on January 15, 2008, from a loose electrical connection. An IP 95002 inspection was successfully completed in December, 2008, so both findings will close at the end of 4Q08.
- ▲ Note 3: Palo Verde, Unit 3 is in the Repetitive Degraded Cornerstone because of one Yellow finding originating in 4Q2004 remaining open (see above discussion), and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. The white inspection finding was associated with failures of the Unit 3, Train A, emergency diesel generator on July 25 and September 22, 2006. The underlying performance deficiencies involved a failure to establish appropriate instructions for performing corrective maintenance activities on a relay, and the failure to identify and correct the cause of erratic relay operation prior to installation of the relay into the emergency diesel generator voltage regulator circuit. On June 21, 2007, a CAL was issued to the licensee in response to their shift to Column 4 of the action matrix. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow and White findings. The IP 95003 inspection report was issued on February 1, 2008. On February 15, 2008, a revised CAL was issued that delineated the key performance areas that need to be addressed prior to Palo Verde Unit 3 exiting Column 4 of the action matrix.
- ▲ Note 4: Byron Unit 2 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 1Q2008.
- ▲ Note 5: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.

- ▲ Note 6: Comanche Peak, Unit 1 is in the Regulatory Response Column based on a White finding associated with the Mitigating Systems Cornerstone. The finding was issued on February 29, 2008 and involved exceeding the Technical Specification allowed outage time for emergency diesel generators when diesel generator 1-02 was rendered inoperable due to painting activities resulting in paint being deposited on at least one fuel rack in a location that prevented motion required to support operation of the diesel generator. This caused diesel generator 1-02 to fail to start during a surveillance test on November 21, 2007. A 95001 supplemental inspection was conducted on June 2 – 6, 2008 to assess the adequacy of the licensee's corrective actions.
- ▲ Note 7: Palo Verde Nuclear Generating Station, Units 1, and 2 are in Degraded Cornerstone Column because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. The significance determination for this final Yellow finding and corresponding Notice of Violation were issued on April 8, 2005. A supplemental inspection completed in December 2005, determined that the Yellow finding would remain open because of inadequate root and contributing causes and ineffective corrective actions. A followup supplemental inspection, completed in September 2006, also determined that the Yellow finding would remain open because of ineffective corrective actions involving root causes and programmatic concerns involving questioning attitude, technical rigor, and operability determinations. An IP 95003 inspection was conducted during the fourth quarter of CY 2007. At the time of the inspection, the licensee had not completed the actions associated with the Yellow finding. The adequacy of licensee corrective actions will be reviewed during CAL followup inspections.
- ▲ Note 8: Farley Unit 1 is in the Regulatory Response Column due to a White PI for Emergency AC Power System and an associated White inspection Finding. Note that the White Finding is not double counted in the Action Matrix. A 95001 inspection was conducted in 3Q/2008.
- ▲ Note 9: Grand Gulf Nuclear Station is in the Regulatory Response Column because of a White performance indicator for Unplanned Scrams per 7000 Critical Hours. The performance indicator crossed the Green-White threshold due to an October 26, 2008 main generator trip and subsequent reactor scram. The IP 95001 inspection will be conducted in 1Q09 after the licensee completes a review and identifies corrective actions to address the causes for the multiple scrams which resulted in the White performance indicator.
- ▲ Note 10: Hatch Unit 2 is in the Regulatory Response Column due to a White PI in the Mitigating Systems Cornerstone for High Pressure Injection system issues originating 2Q/2007. A 95001 inspection was completed 1Q/2008.
- ▲ Note 11: Kewaunee is in the Regulatory Response Column due to one White finding in the Emergency Preparedness Cornerstone originating in 3Q2008. Finding was originally documented as an Apparent Violation in an inspection report issued on September 23, 2008. Final Determination Letter was issued on October 29, 2008.
- ▲ Note 12: McGuire Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 13: McGuire Unit 2 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 14: Nine Mile Point (NMP) Unit 2 transitioned to 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. A supplemental inspection for the White PI will be performed.
- ▲ Note 15: Oconee Unit 1 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 4Q2008.
- ▲ Note 16: Palisades is in the Regulatory Response Column due to one White finding in the Occupational Radiation Safety Cornerstone originating in 4Q2008. Final Determination Letter was issued January 30, 2009.
- ▲ Note 17: Prairie Island Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 4Q2008. Final Determination Letter was issued January 27, 2009.
- ▲ Note 18: San Onofre, Unit 2 is in the Regulatory Response Column based on one White finding associated

with the Mitigating Systems Cornerstone. On August 4, 2008, the NRC commenced a special inspection at Southern California Edison to inspect activities associated with deficient electrical connections with the potential to adversely affect the safety function of multiple safety systems used for accident mitigation. In Inspection Report 2008013, the NRC issued a white violation for the failure to establish appropriate instructions for performing maintenance activities on a safety-related 125 Vdc station battery breaker. The NRC will be conducting Supplemental Inspection 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area."

▲ Note 19: 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.

▲ Note 20: 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.

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*Last modification: Feb 23, 2009*

## 1Q/2009 ROP Action Matrix Summary

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.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

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<sup>1</sup></a>	<a href="#">Palo Verde 1<sup>2</sup></a>	<a href="#">Palo Verde 3<sup>3</sup></a>	
<a href="#">Beaver Valley 1</a>	<a href="#">Byron 1<sup>4</sup></a>	<a href="#">Palo Verde 2<sup>5</sup></a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Byron 2<sup>6</sup></a>			
<a href="#">Braidwood 1</a>	<a href="#">Calvert Cliffs 1<sup>7</sup></a>			
<a href="#">Braidwood 2</a>	<a href="#">Calvert Cliffs 2<sup>8</sup></a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Cooper<sup>9</sup></a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Farley 1<sup>10</sup></a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Kewaunee<sup>11</sup></a>			
<a href="#">Brunswick 1</a>	<a href="#">McGuire 1<sup>12</sup></a>			
<a href="#">Brunswick 2</a>	<a href="#">McGuire 2<sup>13</sup></a>			
<a href="#">Callaway</a>	<a href="#">Nine Mile Point 2<sup>14</sup></a>			
<a href="#">Catawba 1</a>	<a href="#">Oconee 1<sup>15</sup></a>			
<a href="#">Catawba 2</a>	<a href="#">Palisades<sup>16</sup></a>			
<a href="#">Clinton</a>	<a href="#">Prairie Island 1<sup>17</sup></a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Prairie Island 2<sup>18</sup></a>			
<a href="#">Comanche Peak 1</a>	<a href="#">San Onofre 2<sup>19</sup></a>			
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 2</a>				

[Fermi 2](#)  
[FitzPatrick](#)  
[Fort Calhoun](#)  
[Ginna](#)  
[Grand Gulf 1](#)<sup>20</sup>  
[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)<sup>21</sup>  
[Indian Point 3](#)<sup>22</sup>  
[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](#)  
[Oyster Creek](#)  
[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](#)  
[Seabrook 1](#)  
[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](#)

- ▲ Note 1: Arkansas Nuclear One, Unit 1 is in the Regulatory Response Column due to exceeding the GREEN/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. A 95001 supplemental inspection is planned for late May or early June.
- ▲ Note 2: Palo Verde Nuclear Generating Station, Units 1&2, were in the Degraded Cornerstone Column for 1Q2009 because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. Based on the results of a supplemental inspection (documented in an NRC inspection report issued March 20, 2009), the licensee had resolved performance issues that originally placed these units in the degraded cornerstone column of the action matrix. On March 24, 2009, Region IV issued a follow-up assessment letter to close a February 15, 2008, Confirmatory Action Letter (CAL) based on the results of the supplemental inspection. As such, the NRC's regulatory oversight is currently consistent with the licensee response column of the action matrix.
- ▲ Note 3: Palo Verde Nuclear Generating Station, Unit 3, was in the Repetitive Degraded Cornerstone for 1Q2009 because of one Yellow finding originating in 4Q2004 and one White finding in the Mitigating Systems Cornerstone originating in 4Q2006. On June 21, 2007, a Confirmatory Action Letter (CAL) was issued to the licensee because Unit 3 transitioned to the Repetitive Degraded Cornerstone Column of the action matrix. This CAL was superseded on February 15, 2008. Based on the results of a supplemental inspection (documented in an NRC inspection report issued March 20, 2009), the licensee had resolved performance issues that originally placed these units in the degraded cornerstone column of the action matrix. On March 24, 2009, Region IV issued a follow-up assessment letter to close the CAL and document that the actions required for Unit 3 to transition out of the Repetitive Degraded Cornerstone had been met. As such, the NRC's regulatory oversight is currently consistent with the licensee response column of the action matrix.
- ▲ Note 4: Byron Unit 1 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 1Q2008. Supplemental inspection was successfully completed in 1Q09.
- ▲ Note 5: Palo Verde Nuclear Generating Station, Units 1&2, were in the Degraded Cornerstone Column for 1Q2009 because of one Yellow finding in the Mitigating Systems Cornerstone originating in 4Q2004. Based on the results of a supplemental inspection (documented in an NRC inspection report issued March 20, 2009), the licensee had resolved performance issues that originally placed these units in the degraded cornerstone column of the action matrix. On March 24, 2009, Region IV issued a follow-up assessment letter to close a February 15, 2008, Confirmatory Action Letter (CAL) based on the results of the supplemental inspection. As such, the NRC's regulatory oversight is currently consistent with the licensee response column of the action matrix.
- ▲ Note 6: Byron Unit 2 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 1Q2008. Supplemental inspection was successfully completed in 1Q09.
- ▲ Note 7: Calvert Cliffs Units 1 and 2 transitioned to 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. A supplemental inspection for the White finding will be performed.

- ▲ Note 8: Calvert Cliffs Units 1 and 2 transitioned to 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. A supplemental inspection for the White finding will be performed.
- ▲ Note 9: Cooper Nuclear Station is in the Regulatory Response Column for a White Performance Indicator in MSPI-EAC in 4Q08.
- ▲ Note 10: Farley Unit 1 is in the Regulatory Response Column due to a White PI for Emergency AC Power System and an associated White inspection Finding. Note that the White Finding is not double counted in the Action Matrix. A 95001 inspection was conducted in 3Q/2008.
- ▲ Note 11: Kewaunee is in the Regulatory Response Column due to one White finding in the Emergency Preparedness Cornerstone originating in 3Q2008. Finding was originally documented as an Apparent Violation in an inspection report issued on September 23, 2008. Final Determination Letter was issued on October 29, 2008.
- ▲ Note 12: McGuire Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 13: McGuire Unit 2 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 14: Nine Mile Point (NMP) Unit 2 transitioned to 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. A supplemental inspection for the White PI will be performed.
- ▲ Note 15: Oconee Unit 1 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 4Q2008.
- ▲ Note 16: Palisades is in the Regulatory Response Column due to one White finding in the Occupational Radiation Safety Cornerstone originating in 4Q2008. Final Determination Letter was issued January 30, 2009.
- ▲ Note 17: Prairie Island Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 4Q2008 [Final Determination Letter was issued January 27, 2009.], and one White finding in the Public Radiation Safety Cornerstone originating in 1Q2009 [Final Determination Letter was issued May 6, 2009.].
- ▲ Note 18: 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, 2009.
- ▲ Note 19: 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.
- ▲ Note 20: The supplemental inspection for the white performance indicator was satisfactory completed during 1q2009. The white performance indicator was for Unplanned Scrams per 7000 Critical Hours which occurred during 4q2008.
- ▲ Note 21: 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.
- ▲ Note 22: 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.

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*Last modification: May 29, 2009*

## 2Q/2009 ROP Action Matrix Summary

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.

Notes have been added to plants that are not in the licensee response column of the Action Matrix.

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

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> <sup>1</sup>			
<a href="#">Beaver Valley 1</a>	<a href="#">Calvert Cliffs 1</a> <sup>2</sup>			
<a href="#">Beaver Valley 2</a>	<a href="#">Calvert Cliffs 2</a> <sup>3</sup>			
<a href="#">Braidwood 1</a>	<a href="#">Columbia Generating Station</a> <sup>4</sup>			
<a href="#">Braidwood 2</a>	<a href="#">Cooper</a> <sup>5</sup>			
<a href="#">Browns Ferry 1</a>	<a href="#">Duane Arnold</a> <sup>6</sup>			
<a href="#">Browns Ferry 2</a>	<a href="#">Farley 1</a> <sup>7</sup>			
<a href="#">Browns Ferry 3</a>	<a href="#">Farley 2</a> <sup>8</sup>			
<a href="#">Brunswick 1</a>	<a href="#">Ginna</a> <sup>9</sup>			
<a href="#">Brunswick 2</a>	<a href="#">Hatch 1</a> <sup>10</sup>			
<a href="#">Byron 1</a>	<a href="#">Hatch 2</a> <sup>11</sup>			
<a href="#">Byron 2</a>	<a href="#">Kewaunee</a> <sup>12</sup>			
<a href="#">Callaway</a>	<a href="#">McGuire 1</a> <sup>13</sup>			
<a href="#">Catawba 1</a>	<a href="#">McGuire 2</a> <sup>14</sup>			
<a href="#">Catawba 2</a>	<a href="#">Nine Mile Point 2</a> <sup>15</sup>			
<a href="#">Clinton</a>	<a href="#">Oconee 1</a> <sup>16</sup>			
<a href="#">Comanche Peak 1</a>	<a href="#">Palisades</a> <sup>17</sup>			
<a href="#">Comanche Peak 2</a>	<a href="#">Prairie Island 1</a> <sup>18</sup>			
<a href="#">Crystal River 3</a>	<a href="#">Prairie Island 2</a> <sup>19</sup>			
<a href="#">D.C. Cook 1</a>	<a href="#">San Onofre 2</a> <sup>20</sup>			
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				

[Fermi 2](#)  
[FitzPatrick](#)  
[Fort Calhoun](#)  
[Grand Gulf 1](#)  
[Harris 1](#)  
[Hope Creek 1](#)  
[Indian Point 2<sup>21</sup>](#)  
[Indian Point 3<sup>22</sup>](#)  
[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](#)  
[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](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[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](#)

- ▲ Note 1: Arkansas Nuclear One, Unit 1, is in the Regulatory Response Column due to exceeding the GREEN/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. A 95001 supplemental inspection was conducted in June 2009.
- ▲ Note 2: Calvert Cliffs Units 1 and 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. A supplemental inspection for the White finding will be performed.
- ▲ Note 3: Calvert Cliffs Units 1 and 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. A supplemental inspection for the White finding will be performed.
- ▲ Note 4: 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.
- ▲ Note 5: Cooper Nuclear Station is in the Regulatory Response Column for a White Performance Indicator in MSPI-EAC in 4Q08. Since the supplemental inspection per Inspection Procedure 95001 was completed successfully on June 25, 2009, only baseline inspection procedures are planned for 3Q09.
- ▲ Note 6: 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.
- ▲ Note 7: Farley Unit 1 is in the Regulatory Response Column due to a White Finding in the Emergency Preparedness Cornerstone for failure to maintain the means to provide alert, notification, and clear instruction to all of the population within the plume exposure pathway Emergency Planning Zone (EPZ) . In addition, Unit 1 also has a White PI for Emergency AC Power System and an associated White Finding in the Mitigating Systems cornerstone. Note that the White Finding is not double counted in the Action Matrix. A 95001 inspection was conducted in 3Q/2008.
- ▲ Note 8: Farley Unit 2 is in the Regulatory Response Column due to a White Finding in the Emergency Preparedness Cornerstone for failure to maintain the means to provide alert, notification, and clear instruction to all of the population within the plume exposure pathway Emergency Planning Zone (EPZ) .
- ▲ Note 9: Ginna is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 1Q2009. 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. A supplemental inspection for the White finding will be performed.
- ▲ Note 10: Hatch Unit 1 is in the Regulatory Response Column due to a White Finding in the Mitigating Systems Cornerstone, originating in 1Q2009, for failure to identify and correct cracks in the 1B emergency diesel generator (swing diesel for Unit 1 & 2) coupling which were previously observed

during routine maintenance inspections.

- ▲ Note 11: Hatch Unit 2 is in the Regulatory Response Column due to a White Finding in the Mitigating Systems Cornerstone, originating in 1Q2009, for failure to identify and correct cracks in the 1B emergency diesel generator (swing diesel for Unit 1 & 2) coupling which were previously observed during routine maintenance inspections.
- ▲ Note 12: Kewaunee is in the Regulatory Response Column due to one White finding in the Emergency Preparedness Cornerstone originating in 3Q2008. This finding was originally documented as an Apparent Violation in an inspection report issued on September 23, 2008, and the Final Determination Letter was issued on October 29, 2008.
- ▲ Note 13: McGuire Units 1 & 2 are in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 14: McGuire Units 1 & 2 are in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2008.
- ▲ Note 15: Nine Mile Point (NMP) 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. A supplemental inspection for the White PI will be performed.
- ▲ Note 16: Oconee Unit 1 is in the Regulatory Response Column due to one White finding in the Initiating Events Cornerstone originating in 4Q2008.
- ▲ Note 17: Palisades is in the Regulatory Response Column due to one White finding in the Occupational Radiation Safety Cornerstone originating in 4Q2008. The Final Determination Letter was issued January 30, 2009.
- ▲ Note 18: Prairie Island Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 4Q2008 [Final Determination Letter was issued January 27, 2009], and one White finding in the Public Radiation Safety Cornerstone originating in 1Q2009 [Final Determination Letter was issued May 6, 2009].
- ▲ Note 19: Prairie Island Unit 2 is in the Regulatory Response Column due to one White finding in the Public radiation Safety Cornerstone originating in 1Q2009. The Final Determination Letter was issued on May 6, 2009.
- ▲ Note 20: 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.
- ▲ Note 21: 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.
- ▲ Note 22: 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.

## 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>	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.
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

Reactor Unit	Current Regulatory Oversight	3Q/2009 Action Matrix Column
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

Reactor Unit	Current Regulatory Oversight	3Q/2009 Action Matrix Column
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](#)

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

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*Last modification: Nov 20, 2009*

## 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	Licensee Response Column
Calvert Cliffs 2	Baseline Inspection	Licensee Response Column
FitzPatrick	Baseline Inspection	Licensee Response Column
Ginna	Baseline Inspection and An IP 95002 supplemental inspection will be performed.	Degraded Cornerstone Column  Ginna is 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 Performance Indicator (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 TDAFW pump. The White PI was related to exceeding the limit for Heat Removal



		Systems reliability.
Hope Creek 1	Baseline Inspection	Licensee Response Column
Indian Point 2	Baseline Inspection	Licensee Response Column
Indian Point 3	Baseline Inspection  and  An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Indian Point Unit 3 is in 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.
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
Nine Mile Point 2	Baseline Inspection  and  An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Nine Mile Point Unit 2 remained in the Regulatory Response Column due to one parallel White finding originating in 4Q2009. The White finding was associated with a previous White performance indicator (PI) in the Mitigating System cornerstone originating in 4Q2008 for Cooling Water System unavailability and reliability. The supplemental inspection for the White PI, completed on October 16, 2009, resulted in the parallel White finding based on NRC identified weaknesses in the licensee's root cause evaluation.
Oyster Creek	Baseline Inspection  and  An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Oyster Creek is in 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. The PI has reverted to Green, so Oyster Creek will remain in the Regulatory Response Column until the supplemental inspection is completely successfully.
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
		Regulatory Response Column

Seabrook 1	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Seabrook is 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.
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	Action Matrix Column
Browns Ferry 1	Baseline Inspection and An IP 95002 supplemental inspection will be performed.	Degraded Cornerstone Column  Browns Ferry 1 is in the Degraded Cornerstone Column due to one Yellow and one White finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was signed on April 19, 2010.
Browns Ferry 2	Baseline Inspection and An IP 95002 supplemental inspection will be performed.	Degraded Cornerstone Column  Browns Ferry 2 is in the Degraded Cornerstone Column due to one Yellow and one White finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was signed on April 19, 2010.
Browns Ferry 3	Baseline Inspection and An IP 95002 supplemental inspection will be performed.	Degraded Cornerstone Column  Browns Ferry 3 is in the Degraded Cornerstone Column due to one Yellow and one White finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was signed on April 19, 2010.
Brunswick 1	Baseline Inspection and An IP 95001 supplemental inspection will	Regulatory Response Column  Brunswick Unit 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems

	be performed.	Cornerstone 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 Column 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 IP 95001 supplemental inspections 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 the 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	Licensee Response Column
Hatch 2	Baseline Inspection	Licensee Response Column
McGuire 1	Baseline Inspection	Licensee Response Column
McGuire 2	Baseline Inspection	Licensee Response Column
North Anna 1	Baseline Inspection	Licensee Response Column
North Anna 2	Baseline Inspection	Licensee Response Column
Oconee 1	Baseline Inspection	Licensee Response Column
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
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### ▲ Region III

Reactor Unit	Current Regulatory Oversight	Action Matrix Column
Braidwood 1	Baseline Inspection  and  An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Braidwood 1 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 4Q2009. The final significance determination letter was signed on February 25, 2010.
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  and  An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Davis-Besse is in the Regulatory Response Column due to one White finding in the Emergency Preparedness Cornerstone originating in 4Q2009. The final significance determination letter was signed on February 25, 2010.
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. The finding was documented in an inspection report issued on August 19, 2009 and the final significance determination letter was signed October 26, 2009.
Duane Arnold	Baseline Inspection  The IP 95001 supplemental inspection was completed on December 15, 2009, and the inspection report was issued on January 28, 2010 (ML100280210). Barring any additional greater than green inputs, Duane Arnold will transition to the Licensee Response Column at the end of 1Q2010.	Regulatory Response Column  Duane Arnold is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 2Q2009. The final significance 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 and An IP 95001 supplemental inspection will be performed.	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 as an Apparent Violation in an inspection report issued on December 9, 2009, and the final significance determination letter was issued on January 20, 2010.
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	Licensee Response Column
Prairie Island 2	Baseline Inspection and An IP 95001 supplemental inspection will be performed.	Regulatory Response Column  Prairie Island Unit 2 is in the Regulatory Response Column due to one White finding in the Mitigating Systems Cornerstone originating in 3Q2009. The Mitigating Systems finding was originally documented as an Apparent Violation in an inspection report issued on August 5, 2009, and the final significance determination letter was issued on September 3, 2009.
Quad Cities 1	Baseline Inspection	Licensee Response Column
Quad Cities 2	Baseline Inspection	Licensee Response Column

#### ▲ Region IV

Reactor Unit	Current Regulatory Oversight	Action Matrix Column
Arkansas Nuclear 1	Baseline Inspection	Licensee Response Column
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 will be performed.	Regulatory Response Column  Columbia Generating Station is in the Regulatory Response Column due to a White 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  Region IV has completed the IP 95001 supplemental inspection. Management is evaluating the results.	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	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 (ML100150660).
Wolf Creek 1	Baseline Inspection	Licensee Response Column

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Braidwood 1</a>	<a href="#">Browns Ferry 1</a>		
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Brunswick 1</a>	<a href="#">Browns Ferry 2</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Brunswick 2</a>	<a href="#">Browns Ferry 3</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Columbia Generating Station</a>	<a href="#">Ginna</a>		
<a href="#">Braidwood 2</a>	<a href="#">Davis-Besse</a>			
<a href="#">Byron 1</a>	<a href="#">Dresden 3</a>			
<a href="#">Byron 2</a>	<a href="#">Duane Arnold</a>			
<a href="#">Callaway</a>	<a href="#">Farley 1</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Farley 2</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Indian Point 3</a>			
<a href="#">Catawba 1</a>	<a href="#">Nine Mile Point 2</a>			
<a href="#">Catawba 2</a>	<a href="#">Oyster Creek</a>			

[Clinton](#)  
[Comanche Peak 1](#)  
[Comanche Peak 2](#)  
[Cooper](#)  
[Crystal River 3](#)  
[D.C. Cook 1](#)  
[D.C. Cook 2](#)  
[Diablo Canyon 1](#)  
[Diablo Canyon 2](#)  
[Dresden 2](#)  
[Fermi 2](#)  
[FitzPatrick](#)  
[Fort Calhoun](#)  
[Grand Gulf 1](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 1](#)  
[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](#)  
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[Seabrook 1](#)  
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[Robinson 2](#)  
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[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Surry 1](#)  
[Surry 2](#)  
[Susquehanna 1](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)  
[Turkey Point 3](#)  
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[Vermont Yankee](#)  
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## 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	<p>Regulatory Response Column</p> <p>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.</p>	<p>Baseline Inspection</p> <p>and</p> <p>an IP 95001 supplemental inspection will be performed.</p>
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	<p>Regulatory Response Column</p> <p>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.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95001 supplemental inspection will be performed.</p>
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	<p>Regulatory Response Column</p> <p>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.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95001 supplemental inspection will be performed.</p>

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	<p>Regulatory Response Column</p> <p>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.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95001 supplemental inspection will be performed.</p>
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	<p>Regulatory Response Column</p> <p>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.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95001 supplemental inspection will be performed.</p>
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	<p>Regulatory Response Column</p> <p>Callaway is in the Regulatory Response Column due to one white PI in the Mitigating Systems Performance Index Emergency AC Power.</p>	<p>Baseline Inspection</p> <p>and</p> <p>An IP 95001 supplemental inspection will be performed.</p>

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
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Braidwood 1</a>	<a href="#">Browns Ferry 1</a>		
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Callaway</a>	<a href="#">Browns Ferry 2</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Columbia Generating Station</a>	<a href="#">Browns Ferry 3</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Davis-Besse</a>	<a href="#">Ginna</a>		
<a href="#">Braidwood 2</a>	<a href="#">Farley 1</a>	<a href="#">Hatch 2</a>		
<a href="#">Brunswick 1</a>	<a href="#">Farley 2</a>	<a href="#">Saint Lucie 1</a>		
<a href="#">Brunswick 2</a>	<a href="#">Indian Point 3</a>	<a href="#">Wolf Creek 1</a>		
<a href="#">Byron 1</a>	<a href="#">Palisades</a>			
<a href="#">Byron 2</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">San Onofre 2</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Seabrook 1</a>			
<a href="#">Catawba 1</a>	<a href="#">Turkey Point 3</a>			
<a href="#">Catawba 2</a>	<a href="#">Waterford 3</a>			
<a href="#">Clinton</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</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="#">Hatch 1</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 2</a>				
<a href="#">Kewaunee</a>				
<a href="#">La Salle 1</a>				
<a href="#">La Salle 2</a>				
<a href="#">Limerick 1</a>				
<a href="#">Limerick 2</a>				



[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](#)

*Last modification: Jul 19, 2010*

## 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: 10-07-2010**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  Calvert Cliffs 2 is in Column 2 because of one white Mitigating Systems Cornerstone finding originating in 2Q2010.	Baseline inspection  and  IP 95001 supplemental inspection
FitzPatrick	Licensee Response Column	Baseline inspection
Ginna	Regulatory Response Column  Ginna is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Heat Removal System) from 3Q2009 through 2Q2010. The supplemental inspection for the white PI was completed in 3Q2010; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection
Vermont Yankee	Licensee Response Column	Baseline inspection and ROP Action Matrix deviation in effect

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Degraded Cornerstone Column  Browns Ferry 1 is in Column 3 because of one yellow finding and one white finding in the Mitigating Systems Cornerstone originating in 4Q2009.	Baseline inspection  and IP 95002 supplemental inspection  and ROP Action Matrix deviation in effect
Browns Ferry 2	Degraded Cornerstone Column  Browns Ferry 2 is in Column 3 because of one yellow finding and one white finding in the Mitigating Systems Cornerstone originating in 4Q2009.	Baseline inspection  and IP 95002 supplemental inspection  and ROP Action Matrix deviation in effect
Browns Ferry 3	Degraded Cornerstone Column  Browns Ferry 3 is in Column 3 because of one yellow finding and one white finding in the Mitigating Systems Cornerstone	Baseline inspection  and IP 95002 supplemental inspection

	originating in 4Q2009.	and  ROP Action Matrix deviation in effect
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 Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Emergency AC Power System) from 1Q2008 through 2Q2010. The supplemental inspection for the PI was completed in 3Q2008; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline inspection
Hatch 1	Licensee Response Column	Baseline inspection
Hatch 2	Degraded Cornerstone Column  Hatch 2 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone in 4Q2009. One white finding originated in 1Q2009 and was an Action Matrix input through 4Q2009. The other white finding originated in 4Q2009.	Baseline inspection and IP 95002 supplemental inspection
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	Regulatory Response Column  North Anna 2 is in Column 2 because of one white Initiating Events Cornerstone PI (Unplanned Srams per 7000 Critical Hours) in 2Q2010.	Baseline inspection and IP 95001 supplemental inspection
Oconee 1	Degraded Cornerstone Column  Oconee 1 is in Column 3 because of one yellow Mitigating Systems Cornerstone finding originating in 1Q2010.	Baseline inspection and IP 95002 supplemental inspection
Oconee 2	Degraded Cornerstone Column  Oconee 2 is in Column 3 because of one yellow Mitigating Systems Cornerstone finding and one white Mitigating Systems Cornerstone finding originating in	Baseline inspection and IP 95002 supplemental inspection

	1Q2010.	
Oconee 3	Degraded Cornerstone Column  Oconee 3 is in Column 3 because of one yellow Mitigating Systems Cornerstone finding and one white Mitigating Systems Cornerstone finding originating in 1Q2010.	Baseline inspection  and  IP 95002 supplemental inspection
Robinson 2	Licensee Response Column	Baseline inspection
Saint Lucie 1	Degraded Cornerstone Column  St. Lucie 1 is in Column 3 because of one yellow finding in the Mitigating Systems Cornerstone originating in 4Q2009.	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 3 is in Column 2 because of one white finding in the Initiating Events Cornerstone originating in 4Q2009.	Baseline inspection  and  IP 95001 supplemental inspection
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 Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2009.	Baseline inspection  and  IP 95001 supplemental inspection
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 Column 2 because of a white finding in the Emergency	Baseline inspection  and

	Preparedness Cornerstone originating in 4Q2009.	IP 95001 supplemental inspection
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 Column 2 because of one white finding in the Initiating Events Cornerstone originating in 4Q2009.	Baseline inspection  and IP 95001 supplemental inspection
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 Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 3Q2009.	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	Regulatory Response Column  Callaway is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Emergency AC Power) from 1Q2010 through 2Q2010.	Baseline inspection  and IP 95001 supplemental 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	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection

Fort Calhoun	Degraded Cornerstone Column  Fort Calhoun is in Column 3 because of one yellow finding in the Mitigating Systems Cornerstone originating in 2Q2010.	Baseline inspection  and  IP 95002 supplemental 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 Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2008. This finding is being held open in the Action Matrix because of the results from the first supplemental inspection.	Baseline inspection  and  IP 95001 inspection  and  ROP Action Matrix deviation in effect
San Onofre 3	Licensee Response Column	Baseline inspection  and  ROP Action Matrix deviation in effect
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Licensee Response Column	Baseline inspection
Wolf Creek 1	Degraded Cornerstone Column  Wolf Creek is in Column 3 because of two white Initiating Events Cornerstone PIs (Unplanned Scrams per 7000 Critical Hours in 1Q2010 and Unplanned Scrams with Complications from 3Q2009 through 1Q2010). Wolf Creek also has a white Mitigating Systems Cornerstone PI (Safety System Functional Failures) from 1Q2010 through 2Q2010.	Baseline inspection  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
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Braidwood 1</a>	<a href="#">Browns Ferry 1</a>		
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Callaway</a>	<a href="#">Browns Ferry 2</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Calvert Cliffs 2</a>	<a href="#">Browns Ferry 3</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Davis-Besse</a>	<a href="#">Fort Calhoun</a>		
<a href="#">Braidwood 2</a>	<a href="#">Farley 1</a>	<a href="#">Hatch 2</a>		



<a href="#"><u>Brunswick 1</u></a>	<a href="#"><u>Ginna</u></a>	<a href="#"><u>Oconee 1</u></a>
<a href="#"><u>Brunswick 2</u></a>	<a href="#"><u>North Anna 2</u></a>	<a href="#"><u>Oconee 2</u></a>
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Palisades</u></a>	<a href="#"><u>Oconee 3</u></a>
<a href="#"><u>Byron 2</u></a>	<a href="#"><u>Prairie Island 2</u></a>	<a href="#"><u>Saint Lucie 1</u></a>
<a href="#"><u>Calvert Cliffs 1</u></a>	<a href="#"><u>San Onofre 2</u></a>	<a href="#"><u>Wolf Creek 1</u></a>
<a href="#"><u>Catawba 1</u></a>	<a href="#"><u>Turkey Point 3</u></a>	
<a href="#"><u>Catawba 2</u></a>		
<a href="#"><u>Clinton</u></a>		
<a href="#"><u>Columbia Generating Station</u></a>		
<a href="#"><u>Comanche Peak 1</u></a>		
<a href="#"><u>Comanche Peak 2</u></a>		
<a href="#"><u>Cooper</u></a>		
<a href="#"><u>Crystal River 3</u></a>		
<a href="#"><u>D.C. Cook 1</u></a>		
<a href="#"><u>D.C. Cook 2</u></a>		
<a href="#"><u>Diablo Canyon 1</u></a>		
<a href="#"><u>Diablo Canyon 2</u></a>		
<a href="#"><u>Dresden 2</u></a>		
<a href="#"><u>Dresden 3</u></a>		
<a href="#"><u>Duane Arnold</u></a>		
<a href="#"><u>Farley 2</u></a>		
<a href="#"><u>Fermi 2</u></a>		
<a href="#"><u>FitzPatrick</u></a>		
<a href="#"><u>Grand Gulf 1</u></a>		
<a href="#"><u>Harris 1</u></a>		
<a href="#"><u>Hatch 1</u></a>		
<a href="#"><u>Hope Creek 1</u></a>		
<a href="#"><u>Indian Point 2</u></a>		
<a href="#"><u>Indian Point 3</u></a>		
<a href="#"><u>Kewaunee</u></a>		
<a href="#"><u>La Salle 1</u></a>		
<a href="#"><u>La Salle 2</u></a>		
<a href="#"><u>Limerick 1</u></a>		
<a href="#"><u>Limerick 2</u></a>		
<a href="#"><u>McGuire 1</u></a>		
<a href="#"><u>McGuire 2</u></a>		
<a href="#"><u>Millstone 2</u></a>		
<a href="#"><u>Millstone 3</u></a>		
<a href="#"><u>Monticello</u></a>		
<a href="#"><u>Nine Mile Point 1</u></a>		
<a href="#"><u>Nine Mile Point 2</u></a>		
<a href="#"><u>North Anna 1</u></a>		
<a href="#"><u>Oyster Creek</u></a>		
<a href="#"><u>Palo Verde 1</u></a>		
<a href="#"><u>Palo Verde 2</u></a>		
<a href="#"><u>Palo Verde 3</u></a>		

[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](#)

[Seabrook 1](#)

[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](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

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*Last modification: Oct 07, 2010*

## 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: 01-06-2011**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column Calvert Cliffs 2 is in Column 2 because of one white Mitigating Systems Cornerstone finding originating in 2Q2010.	Baseline inspection and IP 95001 supplemental inspection
FitzPatrick	Licensee Response Column	Baseline inspection
Ginna	Regulatory Response Column Ginna is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Heat Removal System) from 3Q2009 through 3Q2010. The supplemental inspection for the white PI was completed in 3Q2010; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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.	Baseline inspection  and  IP 95001 supplemental inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection
Vermont Yankee	Licensee Response Column	Baseline inspection  and  ROP Action Matrix deviation in effect

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column  IP 95002 supplemental inspection was completed satisfactorily, the deviation letter was closed, and a follow-up assessment letter was issued to transition Browns Ferry unit 1 to Column 1. The one yellow finding and one white finding in the Mitigating Systems Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305 guidance.	Baseline inspection
Browns Ferry 2	Licensee Response Column  IP 95002 supplemental inspection was completed satisfactorily, the deviation letter was closed, and a follow-up assessment letter was issued to transition Browns Ferry unit 2 to Column 1. The one	Baseline inspection

	yellow finding and one white finding in the Mitigating Systems Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305 guidance.	
Browns Ferry 3	<p>Licensee Response Column</p> <p>IP 95002 supplemental inspection was completed satisfactorily, the deviation letter was closed, and a follow-up assessment letter was issued to transition Browns Ferry unit 3 to Column 1. The one yellow finding and one white finding in the Mitigating Systems Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305 guidance.</p>	Baseline inspection
Brunswick 1	<p>Regulatory Response Column</p> <p>Brunswick 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2010</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Brunswick 2	<p>Regulatory Response Column</p> <p>Brunswick 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2010</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Licensee Response Column	Baseline inspection
Farley 1	<p>Regulatory Response Column</p> <p>Farley 1 is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Emergency AC Power System) from 1Q2008 through 3Q2010. The supplemental inspection for the PI was completed in 3Q2008; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.</p>	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
	<p>Regulatory Response Column</p> <p>North Anna 2 is in Column 2 because of</p>	Baseline inspection

North Anna 2	one white Initiating Events Cornerstone PI (Unplanned Scrams per 7000 Critical Hours) in 3Q2010.	and IP 95001 supplemental inspection
Oconee 1	Degraded Cornerstone Column  Oconee 1 is in Column 3 because of one yellow Mitigating Systems Cornerstone finding originating in 1Q2010.	Baseline inspection  and IP 95002 supplemental inspection
Oconee 2	Degraded Cornerstone Column  Oconee 2 is in Column 3 because of one yellow Mitigating Systems Cornerstone finding and one white Mitigating Systems Cornerstone finding originating in 1Q2010.	Baseline inspection  and IP 95002 supplemental inspection
Oconee 3	Degraded Cornerstone Column  Oconee 3 is in Column 3 because of one yellow Mitigating Systems Cornerstone finding and one white Mitigating Systems Cornerstone finding originating in 1Q2010.	Baseline inspection  and IP 95002 supplemental inspection
Robinson 2	Regulatory Response Column  Robinson 2 is in Column 2 because of 1 white one white Initiating Events Cornerstone PI (Unplanned Scrams per 7000 Critical Hrs) in 3Q2010 and one white finding in the Mitigating Systems Cornerstone originating in 3Q2010.	Baseline inspection  and IP 95001 supplemental inspection
Saint Lucie 1	Licensee Response Column	Baseline 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 3 is in Column 2 because of one white finding in the Initiating Events Cornerstone originating in 4Q2009. This finding is being held open past four quarters.	Baseline inspection  and IP 95001 supplemental inspection
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

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	<p>Licensee Response Column</p> <p>IP 95001 supplemental inspection was completed satisfactorily, and a follow-up assessment letter was issued to transition Braidwood unit 1 to Column 1. The one white finding in the Mitigating Systems Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305 guidance.</p>	Baseline inspection
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	<p>Licensee Response Column</p> <p>IP 95001 supplemental inspection was completed satisfactorily, and a follow-up assessment letter was issued to transition Davis-Besse to Column 1. The one white finding in the Emergency Preparedness Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305 guidance.</p>	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	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	Licensee Response Column	Baseline inspection
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	<p>Licensee Response Column</p> <p>IP 95001 supplemental inspection was completed satisfactorily, and a follow-up assessment letter was issued to transition Prairie Island unit 2 to Column 1. The one white finding in the Mitigating Systems Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305</p>	Baseline inspection

	guidance.	
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	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	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	Degraded Cornerstone Column  Fort Calhoun is in Column 3 because of one yellow finding in the Mitigating Systems Cornerstone originating in 2Q2010.	Baseline inspection  and  IP 95002 supplemental 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	Licensee Response Column  IP 95001 supplemental inspection was completed satisfactorily, and a follow-up assessment letter was issued to transition San Onofre unit 2 to Column 1. The one white finding in the Mitigating Systems Cornerstone will remain open until 12/31/2010 in accordance with IMC 0305 guidance.	Baseline inspection
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	Licensee Response Column	Baseline inspection
	Degraded Cornerstone Column  Wolf Creek is in Column 3 because of two white Initiating Events Cornerstone PIs	Baseline inspection



Wolf Creek 1	(Unplanned Scrams per 7000 Critical Hours in 1Q2010 and Unplanned Scrams with Complications from 3Q2009 through 1Q2010). Wolf Creek also has a white Mitigating Systems Cornerstone PI (Safety System Functional Failures) from 1Q2010 through 3Q2010.	and IP 95002 supplemental inspection
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## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#"><u>Arkansas Nuclear 1</u></a>	<a href="#"><u>Brunswick 1</u></a>	<a href="#"><u>Fort Calhoun</u></a>		
<a href="#"><u>Arkansas Nuclear 2</u></a>	<a href="#"><u>Brunswick 2</u></a>	<a href="#"><u>Oconee 1</u></a>		
<a href="#"><u>Beaver Valley 1</u></a>	<a href="#"><u>Calvert Cliffs 2</u></a>	<a href="#"><u>Oconee 2</u></a>		
<a href="#"><u>Beaver Valley 2</u></a>	<a href="#"><u>Farley 1</u></a>	<a href="#"><u>Oconee 3</u></a>		
<a href="#"><u>Braidwood 1</u></a>	<a href="#"><u>Ginna</u></a>	<a href="#"><u>Wolf Creek 1</u></a>		
<a href="#"><u>Braidwood 2</u></a>	<a href="#"><u>North Anna 2</u></a>			
<a href="#"><u>Browns Ferry 1</u></a>	<a href="#"><u>Robinson 2</u></a>			
<a href="#"><u>Browns Ferry 2</u></a>	<a href="#"><u>Susquehanna 1</u></a>			
<a href="#"><u>Browns Ferry 3</u></a>	<a href="#"><u>Turkey Point 3</u></a>			
<a href="#"><u>Byron 1</u></a>				
<a href="#"><u>Byron 2</u></a>				
<a href="#"><u>Callaway</u></a>				
<a href="#"><u>Calvert Cliffs 1</u></a>				
<a href="#"><u>Catawba 1</u></a>				
<a href="#"><u>Catawba 2</u></a>				
<a href="#"><u>Clinton</u></a>				
<a href="#"><u>Columbia Generating Station</u></a>				
<a href="#"><u>Comanche Peak 1</u></a>				
<a href="#"><u>Comanche Peak 2</u></a>				
<a href="#"><u>Cooper</u></a>				
<a href="#"><u>Crystal River 3</u></a>				
<a href="#"><u>D.C. Cook 1</u></a>				
<a href="#"><u>D.C. Cook 2</u></a>				
<a href="#"><u>Davis-Besse</u></a>				
<a href="#"><u>Diablo Canyon 1</u></a>				
<a href="#"><u>Diablo Canyon 2</u></a>				
<a href="#"><u>Dresden 2</u></a>				
<a href="#"><u>Dresden 3</u></a>				
<a href="#"><u>Duane Arnold</u></a>				
<a href="#"><u>Farley 2</u></a>				
<a href="#"><u>Fermi 2</u></a>				
<a href="#"><u>FitzPatrick</u></a>				
<a href="#"><u>Grand Gulf 1</u></a>				

[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
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[Kewaunee](#)  
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[Monticello](#)  
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[North Anna 1](#)  
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[Palisades](#)  
[Palo Verde 1](#)  
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[River Bend 1](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 2](#)

[Three Mile Island 1](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

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*Last modification: Jan 06, 2011*

## 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: 03-16-2011**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column Calvert Cliffs 2 is in Column 2 because of one white Mitigating Systems Cornerstone finding originating in 2Q2010.	Baseline inspection and IP 95001 supplemental inspection
FitzPatrick	Licensee Response Column	Baseline inspection
Ginna	Regulatory Response Column Ginna is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Heat Removal System) from 3Q2009 through 3Q2010. The supplemental inspection for the white PI was completed in 3Q2010; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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.	Baseline inspection  and  IP 95001 supplemental inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection
Vermont Yankee	Licensee Response Column	Baseline inspection  and  ROP Action Matrix deviation in effect

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column  The Inspection Findings Summary and Unit Performance Summary for 4Q2010 still indicate a yellow inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011, the finding is closed and Browns Ferry 1 is in Column 1.	Baseline inspection
Browns Ferry 2	Licensee Response Column  The Inspection Findings Summary and Unit Performance Summary for 4Q2010 still indicate a yellow inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011,	Baseline inspection

	the finding is closed and Browns Ferry 2 is in Column 1.	
Browns Ferry 3	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary for 4Q2010 still indicate a yellow inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011, the finding is closed and Browns Ferry 3 is in Column 1.</p>	Baseline inspection
Brunswick 1	<p>Regulatory Response Column</p> <p>Brunswick 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2010</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Brunswick 2	<p>Regulatory Response Column</p> <p>Brunswick 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2010</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Licensee Response Column	Baseline inspection
Farley 1	<p>Regulatory Response Column</p> <p>Farley 1 is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Emergency AC Power System) originating in 1Q2008. The supplemental inspection for the PI was completed in 3Q2008; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.</p>	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
North Anna 2	<p>Regulatory Response Column</p> <p>North Anna 2 is in Column 2 because of one white Initiating Events Cornerstone PI (Unplanned Scrams per 7000 Critical Hours) originating in 3Q2010.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>

Oconee 1	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary for 4Q2010 still indicate a yellow inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011, the finding is closed and Oconee 1 is in Column 1.</p>	Baseline inspection
Oconee 2	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary for 4Q2010 still indicate a yellow inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011, the finding is closed and Oconee 2 is in Column 1.</p>	Baseline inspection
Oconee 3	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary for 4Q2010 still indicate a yellow inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011, the finding is closed and Oconee 3 is in Column 1.</p>	Baseline inspection
Robinson 2	<p>Degraded Cornerstone Column</p> <p>Robinson 2 is in Column 3 because of one White Mitigating System finding for Inadequate Corrective Actions regarding EDG breaker originating in 3Q2010, one white Mitigating System finding for requalification training issues originating in 3Q2010, and one white Mitigating System finding for failure to comply with conduct of operation procedures origination in 4Q2010.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Saint Lucie 1	Licensee Response Column	Baseline 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
	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary for 4Q2010</p>	

Turkey Point 3	still indicate a white inspection finding under the Initiating Event cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2011, the finding is closed and Turkey Point 3 is in Column 1.	Baseline inspection
Turkey Point 4	Regulatory Response Column  Turkey Point Unit 4 is in Column 2 because of one White Initiating Events Cornerstone PI (Unplanned Scrams per 7000 Critical Hrs) originating in 4Q2010.	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	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Regulatory Response Column  Byron 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.  Further information related to this finding will not be displayed on the Reactor Oversight Process webpage until after the end of 1st quarter 2011. The final significance determination letter can be found in ADAMS Accession Number ML110740619.	Baseline inspection  and  IP 95001 supplemental 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	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	Licensee Response Column	Baseline inspection



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	Licensee Response Column	Baseline 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	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	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	Degraded Cornerstone Column  Fort Calhoun is in Column 3 because of one yellow finding in the Mitigating Systems Cornerstone originating in 2Q2010.	Baseline inspection  and  IP 95002 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	Degraded Cornerstone Column  Wolf Creek is in Column 3 because of two white Initiating Events Cornerstone PIs (Unplanned Scrams per 7000 Critical Hours in 1Q2010 and Unplanned Scrams	Baseline inspection  and

with Complications from 3Q2009 through 1Q2010). Wolf Creek also has a white Mitigating Systems Cornerstone PI (Safety System Functional Failures) from 1Q2010 through 3Q2010.

IP 95002 supplemental inspection

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 1</a>	<a href="#">Fort Calhoun</a>		
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Brunswick 2</a>	<a href="#">Robinson 2</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Byron 2</a>	<a href="#">Wolf Creek 1</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Calvert Cliffs 2</a>			
<a href="#">Braidwood 1</a>	<a href="#">Farley 1</a>			
<a href="#">Braidwood 2</a>	<a href="#">Ginna</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">North Anna 2</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Susquehanna 1</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Turkey Point 4</a>			
<a href="#">Byron 1</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				

[Hope Creek 1](#)  
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[Surry 2](#)

[Susquehanna 2](#)

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[Turkey Point 3](#)

[Vermont Yankee](#)

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*Last modification: Mar 16, 2011*

## 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: 07-08-2011**

### Current Regulatory Oversight Table

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

#### ▲ 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  The Inspection Findings Summary and Unit Performance Summary for 1Q2011 still indicate a white inspection finding under the Mitigating Systems cornerstone. The supplemental inspection was performed satisfactorily. As of 2Q2011, the finding is closed and Calvert Cliffs 2 is in Column 1	Baseline inspection
FitzPatrick	Licensee Response Column	Baseline inspection
Ginna	Regulatory Response Column  Ginna is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Heat Removal System) from 3Q2009 through 3Q2010. The supplemental inspection for the white PI was completed in 3Q2010; however, the PI will continue	Baseline inspection

	to be a white input to the Action Matrix until it returns to the green performance band.	
Hope Creek 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Susquehanna 1	Degraded Cornerstone Column  Susquehanna 1 is in Column 3 because of one white finding in the Initiating Events Cornerstone originating in 3Q2010 and one white Initiating Events PI (Unplanned Scrams per 7000 Critical Hours) originating in 1Q2011.	Baseline inspection  and  IP 95002 supplemental inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection
Vermont Yankee	Licensee Response Column	Baseline inspection  and  ROP Action Matrix deviation in effect

## 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	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection

Brunswick 1	Regulatory Response Column  Brunswick 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2010	Baseline inspection  and  IP 95001 supplemental inspection
Brunswick 2	Regulatory Response Column  Brunswick 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2010	Baseline inspection  and  IP 95001 supplemental inspection
Catawba 1	Licensee Response Column  Catawba 1 returned to Column 1 because PI data has been corrected. The assessment follow-up letter (ML111890451) provides further detail.	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Licensee Response Column	Baseline inspection
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column  Robinson 2 is in Column 2 because of one white Mitigating System finding for failure to comply with conduct of operation procedures originating in 4Q2010. The Inspection Findings Summary and Unit Performance Summary for 1Q2011 still indicates three white inspection findings under the Mitigating Systems cornerstone. All three findings were addressed satisfactorily during the 95002 inspection conducted 2Q2011 (ML111870510) so a 95001 inspection	Baseline inspection

	will not be performed.	
Saint Lucie 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Regulatory Response Column  Turkey Point Unit 4 is in Column 2 because of one White Initiating Events Cornerstone PI (Unplanned Scrams per 7000 Critical Hrs) originating in 4Q2010. The PI returned to Green in 1Q2011. Licensee remains in Column 2 until completion of 95001 supplemental inspection activities.	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	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Regulatory Response Column  Byron 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.	Baseline inspection  and  IP 95001 supplemental 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	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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline 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	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	Regulatory Response Column  Cooper is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.	Baseline inspection  and  IP 95001 supplemental inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	Degraded Cornerstone Column  Fort Calhoun is in Column 3 because of one yellow finding in the Mitigating Systems Cornerstone originating in 2Q2010. This finding is being held open in the Action Matrix because supplemental inspection activities are not complete.	Baseline inspection  and  IP 95002 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 1</a>	<a href="#">Fort Calhoun</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Brunswick 2</a>	<a href="#">Susquehanna 1</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Byron 2</a>			
<a href="#">Beaver Valley 2</a>	<a href="#">Cooper</a>			
<a href="#">Braidwood 1</a>	<a href="#">Ginna</a>			
<a href="#">Braidwood 2</a>	<a href="#">Robinson 2</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Turkey Point 4</a>			
<a href="#">Browns Ferry 3</a>				
<a href="#">Byron 1</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				

[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)  
[Indian Point 3](#)  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[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](#)  
[Palisades](#)  
[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](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 2](#)

[Three Mile Island 1](#)

[Turkey Point 3](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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*Last modification: Jul 08, 2011*

## 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: 10-04-2011**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  Ginna is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Heat Removal System) from 3Q2009 through 3Q2010. The supplemental inspection for the white PI was completed in 3Q2010; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
	Regulatory Response Column	Baseline inspection

Millstone 2	Millstone 2 is in Column 2 because of a white finding in the Initiating Events Cornerstone originating in 2Q2011.	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	Licensee Response Column	Baseline inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Degraded Cornerstone Column  Susquehanna 1 is in Column 3 because of one white finding in the Initiating Events Cornerstone originating in 3Q2010 and one white Initiating Events PI (Unplanned Scrams per 7000 Critical Hours) originating in 1Q2011.	Baseline inspection  and IP 95002 supplemental inspection
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	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
Brunswick 1	Licensee Response Column  The Inspection Findings Summary and Unit Performance Summary currently indicate a white inspection finding under the Emergency Preparedness cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2011, the finding is closed and Brunswick 1 is in Column 1	Baseline inspection
	Licensee Response Column	

Brunswick 2	The Inspection Findings Summary and Unit Performance Summary currently indicate a white inspection finding under the Emergency Preparedness cornerstone. The supplemental inspection was performed satisfactorily. As of 3Q2011, the finding is closed and Brunswick 2 is in Column 1	Baseline inspection
Catawba 1	Licensee Response Column  Catawba 1 returned to Column 1 because PI data has been corrected. The assessment follow-up letter (ML111890451) provides further detail.	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Licensee Response Column	Baseline inspection
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column  Robinson 2 is in Column 2 because of one white Mitigating System finding for failure to comply with conduct of operation procedures originating in 4Q2010. The Inspection Findings Summary and Unit Performance Summary currently indicate three white inspection findings under the Mitigating Systems cornerstone. All three findings were addressed satisfactorily during the 95002 inspection conducted 2Q2011 (ML111870510) so a 95001 inspection will not be performed.	Baseline inspection
Saint Lucie 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Regulatory Response Column Byron 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.	Baseline inspection and IP 95001 supplemental 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	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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
Point Beach 2	Licensee Response Column	Baseline inspection
Prairie Island 1	Regulatory Response Column Prairie Island Unit 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2011.	Baseline inspection and IP 95001 supplemental inspection



Prairie Island 2	Licensee Response Column	Baseline 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	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	Regulatory Response Column  Cooper is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.	Baseline inspection  and  IP 95001 supplemental inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	Multiple/Repetitive Degraded Cornerstone Column  Fort Calhoun is in Column 4 because of a repetitive degraded cornerstone related to one yellow finding in the Mitigating Systems Cornerstone originating in 2Q2010 and one white finding in the Mitigating Systems Cornerstone originating 2Q2011.	Baseline inspection  and  IP 95003 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

## ▲ **Action Matrix Summary**

Licensee Response      Regulatory Response      Degraded Cornerstone      Multiple/Repetitive      Unacceptable

Column	Column	Column	Degraded Cornerstone Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Byron 2</a>	<a href="#">Perry 1</a>	<a href="#">Browns Ferry 1</a>
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Cooper</a>	<a href="#">Susquehanna 1</a>	<a href="#">Fort Calhoun</a>
<a href="#">Beaver Valley 1</a>	<a href="#">Ginna</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Millstone 2</a>		
<a href="#">Braidwood 1</a>	<a href="#">Prairie Island 1</a>		
<a href="#">Braidwood 2</a>	<a href="#">Robinson 2</a>		
<a href="#">Browns Ferry 2</a>			
<a href="#">Browns Ferry 3</a>			
<a href="#">Brunswick 1</a>			
<a href="#">Brunswick 2</a>			
<a href="#">Byron 1</a>			
<a href="#">Callaway</a>			
<a href="#">Calvert Cliffs 1</a>			
<a href="#">Calvert Cliffs 2</a>			
<a href="#">Catawba 1</a>			
<a href="#">Catawba 2</a>			
<a href="#">Clinton</a>			
<a href="#">Columbia Generating Station</a>			
<a href="#">Comanche Peak 1</a>			
<a href="#">Comanche Peak 2</a>			
<a href="#">Crystal River 3</a>			
<a href="#">D.C. Cook 1</a>			
<a href="#">D.C. Cook 2</a>			
<a href="#">Davis-Besse</a>			
<a href="#">Diablo Canyon 1</a>			
<a href="#">Diablo Canyon 2</a>			
<a href="#">Dresden 2</a>			
<a href="#">Dresden 3</a>			
<a href="#">Duane Arnold</a>			
<a href="#">Farley 1</a>			
<a href="#">Farley 2</a>			
<a href="#">Fermi 2</a>			
<a href="#">FitzPatrick</a>			
<a href="#">Grand Gulf 1</a>			
<a href="#">Harris 1</a>			
<a href="#">Hatch 1</a>			
<a href="#">Hatch 2</a>			
<a href="#">Hope Creek 1</a>			
<a href="#">Indian Point 2</a>			
<a href="#">Indian Point 3</a>			
<a href="#">Kewaunee</a>			
<a href="#">La Salle 1</a>			
<a href="#">La Salle 2</a>			
<a href="#">Limerick 1</a>			

[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 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](#)  
[Palisades](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Pilgrim 1](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Saint Lucie 1](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Surry 1](#)  
[Surry 2](#)  
[Susquehanna 2](#)  
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[Turkey Point 3](#)  
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[Vermont Yankee](#)  
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[Vogtle 2](#)

[Waterford 3](#)  
[Watts Bar 1](#)  
[Wolf Creek 1](#)

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*Last modification: Oct 04, 2011*

## 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.

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**Last Modified: 01-17-2012**

### Current Regulatory Oversight Table

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

#### ▲ 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
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Ginna	Regulatory Response Column  Ginna is in Column 2 because of one white Mitigating Systems Cornerstone PI (Mitigating Systems Performance Index, Heat Removal System) from 3Q2009 through 3Q2010. The supplemental inspection for the white PI was completed in 3Q2010; however, the PI will continue to be a white input to the Action Matrix until it returns to the green performance band.	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline inspection
Indian Point 2	Licensee Response Column	Baseline inspection
Indian Point 3	Licensee Response Column	Baseline inspection
Limerick 1	Licensee Response Column	Baseline inspection
	Regulatory Response Column	Baseline inspection

Limerick 2	Limerick 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2011.	and IP 95001 supplemental 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 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	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Degraded Cornerstone Column Susquehanna 1 is in Column 3 because of one white finding in the Initiating Events Cornerstone originating in 3Q2010 and one white Initiating Events PI (Unplanned Scrams per 7000 Critical Hours) originating in 1Q2011.	Baseline inspection and IP 95002 supplemental inspection
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	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
	Regulatory Response Column Brunswick 1 is in Column 2 because of a white finding in the Mitigating Systems	Baseline inspection

Brunswick 1	Cornerstone originating in 4Q2011 per the Assessment Follow-up letter (ADAMS ML113610594). ROP Websites for inspection findings and reports will be updated to reflect this finding during the next scheduled webpage update (2/6/2012).	and IP 95001 supplemental inspection
Brunswick 2	Regulatory Response Column  Brunswick 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2011 per the Assessment Follow-up letter (ADAMS ML113610594). ROP Websites for inspection findings and reports will be updated to reflect this finding during the next scheduled webpage update (2/6/2012).	Baseline inspection and IP 95001 supplemental inspection
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Regulatory Response Column  Crystal River 3 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2011.	Baseline inspection and IP 95001 supplemental inspection
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
North Anna 2	Licensee Response Column	Baseline inspection
Oconee 1	Licensee Response Column  As detailed in the final significance determination letter dated December 6, 2011, (ML11340A139) Oconee 1 has a yellow inspection finding in the Mitigating Systems Cornerstone. This finding is being evaluated to determine whether it meets old design issue criteria. In accordance with IMC 0305, Action Matrix movement will depend on that determination.	Baseline inspection
	Licensee Response Column  As detailed in the final significance determination letter dated December 6, 2011, (ML11340A139) Oconee 2 has a	

Oconee 2	yellow inspection finding in the Mitigating Systems Cornerstone. This finding is being evaluated to determine whether it meets old design issue criteria. In accordance with IMC 0305, Action Matrix movement will depend on that determination.	Baseline inspection
Oconee 3	<p>Licensee Response Column</p> <p>As detailed in the final significance determination letter dated December 6, 2011, (ML11340A139) Oconee 3 has a yellow inspection finding in the Mitigating Systems Cornerstone. This finding is being evaluated to determine whether it meets old design issue criteria. In accordance with IMC 0305, Action Matrix movement will depend on that determination.</p>	Baseline inspection
Robinson 2	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary currently indicate one white inspection finding under the Mitigating Systems Cornerstone. The finding was addressed satisfactorily during the 95002 inspection conducted 2Q2011 and Robinson 2 has since transitioned to Column 1.</p>	Baseline inspection
Saint Lucie 1	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	<p>Regulatory Response Column</p> <p>Sequoyah 1 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2011.</p>	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection



Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Regulatory Response Column Byron 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.	Baseline inspection and IP 95001 supplemental 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	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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
Point Beach 2	Licensee Response Column	Baseline inspection
Prairie Island 1	Regulatory Response Column Prairie Island Unit 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2011.	Baseline inspection and IP 95001 supplemental inspection
Prairie Island 2	Licensee Response Column	Baseline 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	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	Regulatory Response Column  Cooper is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.	Baseline inspection  and  IP 95001 supplemental 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 (ML113470721).	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.
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	Licensee Response Column	Baseline inspection
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 Column 2 because of a white finding in the Occupational Radiation Safety Cornerstone originating in 3Q2011.	Baseline inspection  and  IP 95001 supplemental inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

## Action Matrix Summary

Licensee Response  
Column

[Arkansas Nuclear 1](#)  
[Arkansas Nuclear 2](#)  
[Beaver Valley 1](#)  
[Beaver Valley 2](#)  
[Braidwood 1](#)  
[Braidwood 2](#)  
[Browns Ferry 2](#)

Regulatory Response  
Column

[Brunswick 1](#)  
[Brunswick 2](#)  
[Byron 2](#)  
[Cooper](#)  
[Crystal River 3](#)  
[Ginna](#)  
[Limerick 2](#)

Degraded Cornerstone  
Column

[Perry 1](#)  
[Susquehanna 1](#)

Multiple/Repetitive  
Degraded Cornerstone  
Column

[Browns Ferry 1](#)

Unacceptable  
Performance Column

<a href="#"><u>Browns Ferry 3</u></a>	<a href="#"><u>Millstone 2</u></a>
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Pilgrim 1</u></a>
<a href="#"><u>Callaway</u></a>	<a href="#"><u>Prairie Island 1</u></a>
<a href="#"><u>Calvert Cliffs 1</u></a>	<a href="#"><u>Sequoyah 1</u></a>
<a href="#"><u>Calvert Cliffs 2</u></a>	<a href="#"><u>Waterford 3</u></a>
<a href="#"><u>Catawba 1</u></a>	
<a href="#"><u>Catawba 2</u></a>	
<a href="#"><u>Clinton</u></a>	
<a href="#"><u>Columbia Generating Station</u></a>	
<a href="#"><u>Comanche Peak 1</u></a>	
<a href="#"><u>Comanche Peak 2</u></a>	
<a href="#"><u>D.C. Cook 1</u></a>	
<a href="#"><u>D.C. Cook 2</u></a>	
<a href="#"><u>Davis-Besse</u></a>	
<a href="#"><u>Diablo Canyon 1</u></a>	
<a href="#"><u>Diablo Canyon 2</u></a>	
<a href="#"><u>Dresden 2</u></a>	
<a href="#"><u>Dresden 3</u></a>	
<a href="#"><u>Duane Arnold</u></a>	
<a href="#"><u>Farley 1</u></a>	
<a href="#"><u>Farley 2</u></a>	
<a href="#"><u>Fermi 2</u></a>	
<a href="#"><u>FitzPatrick</u></a>	
<a href="#"><u>Grand Gulf 1</u></a>	
<a href="#"><u>Harris 1</u></a>	
<a href="#"><u>Hatch 1</u></a>	
<a href="#"><u>Hatch 2</u></a>	
<a href="#"><u>Hope Creek 1</u></a>	
<a href="#"><u>Indian Point 2</u></a>	
<a href="#"><u>Indian Point 3</u></a>	
<a href="#"><u>Kewaunee</u></a>	
<a href="#"><u>La Salle 1</u></a>	
<a href="#"><u>La Salle 2</u></a>	
<a href="#"><u>Limerick 1</u></a>	
<a href="#"><u>McGuire 1</u></a>	
<a href="#"><u>McGuire 2</u></a>	
<a href="#"><u>Millstone 3</u></a>	
<a href="#"><u>Monticello</u></a>	
<a href="#"><u>Nine Mile Point 1</u></a>	
<a href="#"><u>Nine Mile Point 2</u></a>	
<a href="#"><u>North Anna 1</u></a>	
<a href="#"><u>North Anna 2</u></a>	
<a href="#"><u>Oconee 1</u></a>	
<a href="#"><u>Oconee 2</u></a>	
<a href="#"><u>Oconee 3</u></a>	
<a href="#"><u>Oyster Creek</u></a>	

[Palisades](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Point Beach 1](#)  
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*Last modification: Jan 17, 2012*

## 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: 04-10-2012**

### Current Regulatory Oversight Table

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

#### ▲ 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	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	Regulatory Response Column Limerick 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2011.	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Degraded Cornerstone Column Susquehanna 1 is in Column 3 because of one white finding in the Initiating Events Cornerstone originating in 3Q2010 and one white Initiating Events PI (Unplanned Scrams per 7000 Critical Hours) originating in 1Q2011.	Baseline inspection and IP 95002 supplemental inspection
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	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
Brunswick 1	Regulatory Response Column Brunswick 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Brunswick 2	Regulatory Response Column Brunswick 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
	Regulatory Response Column	Baseline inspection

Crystal River 3	Crystal River 3 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2011.	and  IP 95001 supplemental inspection
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
North Anna 2	Licensee Response Column	Baseline inspection
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</p>	<p>Baseline inspection</p> <p>and</p>

	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.	IP 95002 supplemental inspection
Robinson 2	Licensee Response Column	Baseline inspection
Saint Lucie 1	Licensee Response Column	Baseline 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	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Licensee Response Column  The Inspection Findings Summary and Unit Performance Summary for 4Q2011 still indicate a white inspection finding under the Mitigating Systems Cornerstone. The supplemental inspection was performed satisfactorily. As of 1Q2012, the finding is closed and Byron 2 is in Column 1.	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	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	<p>Degraded Cornerstone Column</p> <p>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.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Perry 1	<p>Degraded Cornerstone Column</p> <p>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.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Point Beach 1	Licensee Response Column	Baseline inspection
Point Beach 2	Licensee Response Column	Baseline inspection
Prairie Island 1	<p>Regulatory Response Column</p> <p>Prairie Island Unit 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Prairie Island 2	Licensee Response Column	Baseline 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	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	<p>Licensee Response Column</p> <p>The Inspection Findings Summary and Unit Performance Summary for 4Q2011 still indicate 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.</p>	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	<p>Under IMC 0350</p> <p>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 (ML113470721).</p>	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.
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	Licensee Response Column	Baseline inspection
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	<p>Regulatory Response Column</p> <p>Waterford 3 is in Column 2 because of a white finding in the Occupational Radiation Safety Cornerstone originating in 3Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response  
Column

Regulatory Response  
Column

Degraded Cornerstone  
Column

Multiple/Repetitive  
Degraded Cornerstone  
Column

Unacceptable  
Performance Column

[Arkansas Nuclear 1](#)

[Brunswick 1](#)

[Palisades](#)

[Browns Ferry 1](#)

[Arkansas Nuclear 2](#)

[Brunswick 2](#)

[Perry 1](#)

[Beaver Valley 1](#)

[Crystal River 3](#)

[Susquehanna 1](#)

[Beaver Valley 2](#)

[Limerick 2](#)

<a href="#"><u>Braidwood 1</u></a>	<a href="#"><u>Millstone 2</u></a>
<a href="#"><u>Braidwood 2</u></a>	<a href="#"><u>Pilgrim 1</u></a>
<a href="#"><u>Browns Ferry 2</u></a>	<a href="#"><u>Prairie Island 1</u></a>
<a href="#"><u>Browns Ferry 3</u></a>	<a href="#"><u>Turkey Point 3</u></a>
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Turkey Point 4</u></a>
<a href="#"><u>Byron 2</u></a>	<a href="#"><u>Waterford 3</u></a>
<a href="#"><u>Callaway</u></a>	
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<a href="#"><u>Calvert Cliffs 2</u></a>	
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<a href="#"><u>FitzPatrick</u></a>	
<a href="#"><u>Ginna</u></a>	
<a href="#"><u>Grand Gulf 1</u></a>	
<a href="#"><u>Harris 1</u></a>	
<a href="#"><u>Hatch 1</u></a>	
<a href="#"><u>Hatch 2</u></a>	
<a href="#"><u>Hope Creek 1</u></a>	
<a href="#"><u>Indian Point 2</u></a>	
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<a href="#"><u>Kewaunee</u></a>	
<a href="#"><u>La Salle 1</u></a>	
<a href="#"><u>La Salle 2</u></a>	
<a href="#"><u>Limerick 1</u></a>	
<a href="#"><u>McGuire 1</u></a>	
<a href="#"><u>McGuire 2</u></a>	
<a href="#"><u>Millstone 3</u></a>	
<a href="#"><u>Monticello</u></a>	
<a href="#"><u>Nine Mile Point 1</u></a>	
<a href="#"><u>Nine Mile Point 2</u></a>	

[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](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 2](#)

[Three Mile Island 1](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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## 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: 05-15-2012**

### Current Regulatory Oversight Table

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

#### ▲ 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	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	Regulatory Response Column Limerick 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2011.	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
Brunswick 1	Regulatory Response Column Brunswick 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
	Regulatory Response Column	Baseline inspection

Brunswick 2	Brunswick 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	and IP 95001 supplemental inspection
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Regulatory Response Column Crystal River 3 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2011.	Baseline inspection and IP 95001 supplemental inspection
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Regulatory Response Column North Anna 1 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
North Anna 2	Regulatory Response Column North Anna 2 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection and IP 95001 supplemental inspection
Oconee 1	Licensee Response Column  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.	Baseline inspection and IP 95002 supplemental inspection
	Licensee Response Column  As detailed in the inspection report 2012011 (ML12068A353) Oconee 2 has a yellow inspection finding in the Mitigating Systems Cornerstone. This finding was	Baseline inspection

Oconee 2	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.	and IP 95002 supplemental inspection
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 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>
Robinson 2	Licensee Response Column	Baseline inspection
Saint Lucie 1	<p>Degraded Cornerstone Column</p> <p>Saint Lucie 1 is in Column 3 because of two white Initiating Events Cornerstone PIs both originating in 1Q2012.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
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	<p>Regulatory Response Column</p> <p>Turkey Point Unit 3 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Turkey Point 4	<p>Regulatory Response Column</p> <p>Turkey Point Unit 4 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Vogtle 1	Licensee Response Column	Baseline inspection
Vogtle 2	Licensee Response Column	Baseline inspection



Watts Bar 1	Licensee Response Column	Baseline inspection
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### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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	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	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	<p>Degraded Cornerstone Column</p> <p>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.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Perry 1	<p>Degraded Cornerstone Column</p> <p>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.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Point Beach 1	Licensee Response Column	Baseline inspection
Point Beach 2	Licensee Response Column	Baseline inspection
Prairie Island 1	<p>Licensee Response Column</p> <p>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 2Q2012, the finding is closed and Prairie Island Unit 1 is in</p>	Baseline inspection

	Column 1.	
Prairie Island 2	Licensee Response Column	Baseline 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	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 (ML113470721).	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.
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	Licensee Response Column	Baseline inspection
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 Column 2 because of a	Baseline inspection  and

	white finding in the Occupational Radiation Safety Cornerstone originating in 3Q2011.	IP 95001 supplemental inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Brunswick 1</a>	<a href="#">Palisades</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Brunswick 2</a>	<a href="#">Perry 1</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Crystal River 3</a>	<a href="#">Saint Lucie 1</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Limerick 2</a>			
<a href="#">Braidwood 1</a>	<a href="#">Millstone 2</a>			
<a href="#">Braidwood 2</a>	<a href="#">North Anna 1</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">North Anna 2</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Pilgrim 1</a>			
<a href="#">Byron 1</a>	<a href="#">Susquehanna 1</a>			
<a href="#">Byron 2</a>	<a href="#">Turkey Point 3</a>			
<a href="#">Callaway</a>	<a href="#">Turkey Point 4</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Waterford 3</a>			
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">FitzPatrick</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				

[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)  
[Indian Point 3](#)  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek](#)  
[Palo Verde 1](#)  
[Palo Verde 2](#)  
[Palo Verde 3](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Point Beach 1](#)  
[Point Beach 2](#)  
[Prairie Island 1](#)  
[Prairie Island 2](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[River Bend 1](#)  
[Robinson 2](#)  
[Saint Lucie 2](#)  
[Salem 1](#)  
[Salem 2](#)  
[San Onofre 2](#)  
[San Onofre 3](#)  
[Seabrook 1](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Surry 1](#)  
[Surry 2](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)

[Vermont Yankee](#)

[Vogle 1](#)

[Vogle 2](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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*Last modification: May 15, 2012*

## 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

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

#### ▲ 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  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	<p>Licensee Response Column</p> <p>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.</p>	Baseline inspection
Catawba 1	Licensee Response Column	Baseline inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	<p>Licensee Response Column</p> <p>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.</p>	Baseline inspection
Farley 1	<p>Licensee Response Column</p> <p>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.</p>	Baseline inspection
Farley 2	<p>Licensee Response Column</p> <p>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.</p>	Baseline inspection
Harris 1	<p>Regulatory Response Column</p> <p>Harris is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.</p>	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	<p>Regulatory Response Column</p> <p>Fermi is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2010.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
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	<p>Degraded Cornerstone Column</p> <p>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.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Perry 1	<p>Degraded Cornerstone Column</p> <p>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.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Point Beach 1	<p>Regulatory Response Column</p> <p>Point Beach 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Point Beach 2	<p>Regulatory Response Column</p> <p>Point Beach 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2012.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
	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
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## ▲ Action Matrix Summary

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

[Hatch 1](#)  
[Hatch 2](#)  
[Indian Point 2](#)  
[Indian Point 3](#)  
[Kewaunee](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 3](#)  
[Monticello](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek](#)  
[Peach Bottom 2](#)  
[Peach Bottom 3](#)  
[Quad Cities 1](#)  
[Quad Cities 2](#)  
[Robinson 2](#)  
[Saint Lucie 2](#)  
[Sequoyah 1](#)  
[Sequoyah 2](#)  
[South Texas 1](#)  
[South Texas 2](#)  
[Summer](#)  
[Surry 1](#)  
[Surry 2](#)  
[Susquehanna 2](#)  
[Three Mile Island 1](#)  
[Vermont Yankee](#)  
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[Waterford 3](#)  
[Watts Bar 1](#)

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## 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: 03-01-2013**

### Current Regulatory Oversight Table

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

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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  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

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## 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	Regulatory Response Column  Brunswick 1 is in Column 2 because of a	Baseline inspection  and

	white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	IP 95001 supplemental inspection
Brunswick 2	Regulatory Response Column  Brunswick 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection  and  IP 95001 supplemental 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	Regulatory Response Column  Farley 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
Farley 2	Regulatory Response Column  Farley 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
Harris 1	Licensee Response Column	Baseline 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	Regulatory Response Column  North Anna 1 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection  and  IP 95001 supplemental inspection
North Anna 2	Regulatory Response Column  North Anna 2 is in Column 2 because of one white finding in the Mitigating Systems Cornerstone originating in 4Q2011.	Baseline inspection  and  IP 95001 supplemental inspection
	Licensee Response Column  As detailed in the inspection report	

Oconee 1	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.	Baseline inspection and IP 95002 supplemental inspection
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>	Baseline inspection and IP 95002 supplemental inspection
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 remain open until all IP 95002 inspection objectives have been met and verified by inspection.</p>	Baseline inspection and IP 95002 supplemental inspection
Robinson 2	Licensee Response Column	Baseline inspection
Saint Lucie 1	<p>Degraded Cornerstone Column</p> <p>Saint Lucie 1 is in Column 3 because of two white Initiating Events Cornerstone PIs both originating in 1Q2012.</p>	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

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### 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
	Regulatory Response Column	Baseline inspection

Fermi 2	Fermi is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2010.	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
Prairie Island 1	Regulatory Response Column  Prairie Island 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
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	<p>Licensee Response Column</p> <p>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.</p>	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	<p>Licensee Response Column</p> <p>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.</p>	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Licensee Response Column	Baseline inspection
Fort Calhoun	<p>Under IMC 0350</p> <p>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 (ML113470721).</p>	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.
Grand Gulf 1	Licensee Response Column	Baseline inspection
Palo Verde 1	<p>Regulatory Response Column</p> <p>Palo Verde 1 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 4Q2011.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>
Palo Verde 2	<p>Regulatory Response Column</p> <p>Palo Verde 2 is in Column 2 because of one or more greater-than-green finding(s)</p>	<p>Baseline inspection</p> <p>and</p>



	in the Security Cornerstone originating in 4Q2011.	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
Wolf Creek 1	Degraded Cornerstone Column  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.	Baseline inspection  and  IP 95002 supplemental inspection

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

[Nine Mile Point 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[Robinson 2](#)

[Saint Lucie 2](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 2](#)

[Three Mile Island 1](#)

[Vermont Yankee](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

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*Last modification: Mar 01, 2013*

## 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: 04-09-2013**

### Current Regulatory Oversight Table

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

#### ▲ Region I

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Regulatory Response Column  Beaver Valley 1 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Beaver Valley 2	Regulatory Response Column  Beaver Valley 2 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Calvert Cliffs 1	Licensee Response Column	Baseline inspection
Calvert Cliffs 2	Licensee Response Column	Baseline inspection
FitzPatrick	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating	Baseline inspection  and

# ROP Action Matrix Summary and Current Regulatory Oversight

	in 4Q2012.	IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Licensee Response Column	Baseline inspection
Nine Mile Point 1	Regulatory Response Column  Nine Mile Point 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental 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 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  and  ROP Action Matrix deviation in effect
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Regulatory Response Column  Susquehanna 2 is in Column 2 because of a white PI in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental 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.	Baseline inspection  and  IP 95001 supplemental inspection
Brunswick 1	Licensee Response Column	Baseline inspection
Brunswick 2	Licensee Response Column	Baseline inspection
Catawba 1	Regulatory Response Column  Catawba 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Catawba 2	Licensee Response Column	Baseline inspection
Crystal River 3	Licensee Response Column	Baseline inspection
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	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	Licensee Response Column	Baseline inspection
North Anna 2	Licensee Response Column	Baseline inspection

## ROP Action Matrix Summary and Current Regulatory Oversight

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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
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	<p>Licensee Response Column</p> <p>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.</p>	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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
	Regulatory Response Column	Baseline inspection

# ROP Action Matrix Summary and Current Regulatory Oversight

Davis-Besse	Davis-Besse is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	and IP 95001 supplemental 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 a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and IP 95001 supplemental inspection
Kewaunee	Regulatory Response Column  Kewaunee is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2012.	Baseline inspection  and IP 95001 supplemental inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Licensee Response Column	Baseline inspection
Palisades	Licensee Response Column	Baseline inspection  and ROP Action Matrix deviation in effect
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  and Action Matrix Deviation
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
Prairie Island 1	Regulatory Response Column  Prairie Island 1 is in Column 2 because of a white finding in the Emergency	Baseline inspection  and



## ROP Action Matrix Summary and Current Regulatory Oversight

	Preparedness Cornerstone originating in 4Q2012.	IP 95001 supplemental inspection
Prairie Island 2	Regulatory Response Column  Prairie Island 2 is in Column 2 because of a white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	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	Baseline inspection
Columbia Generating Station	Degraded Cornerstone Column  Columbia Generating Station is in Column 3 because of two white findings in the Emergency Preparedness Cornerstone originating 2Q2012.	Baseline inspection  and  IP 95002 supplemental inspection
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	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 (ML113470721).	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.
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

## ROP Action Matrix Summary and Current Regulatory Oversight

San Onofre 2	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	<p>Degraded Cornerstone Column</p> <p>Wolf Creek is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 3Q2012. Wolf Creek also has a white PI in the Mitigating Systems Cornerstone originating in 2Q2012.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1</a>	<a href="#">Columbia Generating Station</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2</a>	<a href="#">Perry 1</a>		
<a href="#">Braidwood 1</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Wolf Creek 1</a>		
<a href="#">Braidwood 2</a>	<a href="#">Browns Ferry 3</a>			
<a href="#">Brunswick 1</a>	<a href="#">Catawba 1</a>			
<a href="#">Brunswick 2</a>	<a href="#">Davis-Besse</a>			
<a href="#">Byron 1</a>	<a href="#">Fermi 2</a>			
<a href="#">Byron 2</a>	<a href="#">FitzPatrick</a>			
<a href="#">Callaway</a>	<a href="#">Harris 1</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Kewaunee</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Nine Mile Point 1</a>			
<a href="#">Catawba 2</a>	<a href="#">Point Beach 1</a>			
<a href="#">Clinton</a>	<a href="#">Point Beach 2</a>			
<a href="#">Comanche Peak 1</a>	<a href="#">Prairie Island 1</a>			
<a href="#">Comanche Peak 2</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Cooper</a>	<a href="#">Seabrook 1</a>			
<a href="#">Crystal River 3</a>	<a href="#">Susquehanna 2</a>			
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				

## ROP Action Matrix Summary and Current Regulatory Oversight

[Farley 1](#)

[Farley 2](#)

[Ginna](#)

[Grand Gulf 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[Indian Point 3](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Monticello](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Pilgrim 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Three Mile Island 1](#)

[Turkey Point 3](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

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*Last modification: Apr 09, 2013*

## 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 inspection program.

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

**Last Modified: 06-07-2013**

### Current Regulatory Oversight Table

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

#### ▲ Region I

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Regulatory Response Column Beaver Valley 1 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	Baseline inspection and IP 95001 supplemental inspection
Beaver Valley 2	Regulatory Response Column Beaver Valley 2 is in Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	Baseline inspection and IP 95001 supplemental inspection
Calvert Cliffs 1	Licensee Response Column	Baseline inspection
Calvert Cliffs 2	Licensee Response Column	Baseline inspection

# ROP Action Matrix Summary and Current Regulatory Oversight

FitzPatrick	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Licensee Response Column	Baseline inspection
Nine Mile Point 1	Regulatory Response Column  Nine Mile Point 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline inspection  and  Action Matrix Deviation
Susquehanna 1	Licensee Response Column	Baseline inspection
	Regulatory Response Column	Baseline inspection

Susquehanna 2	Susquehanna 2 is in Column 2 because of a white PI in the Initiating Events Cornerstone originating in 4Q2012.	and IP 95001 supplemental inspection
Three Mile Island 1	Regulatory Response Column  Three Mile Island 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection  and IP 95001 supplemental 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	Degraded Cornerstone Column  Browns Ferry 2 is in Column 3 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012 and one white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection  and IP 95002 supplemental inspection
Browns Ferry 3	Regulatory Response Column  Browns Ferry 3 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and IP 95001 supplemental inspection
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	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection

Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Degraded Cornerstone Column  Sequoyah 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone both originating in 1Q2013.	Baseline inspection  and IP 95002 supplemental inspection
Sequoyah 2	Degraded Cornerstone Column  Sequoyah 2 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone both originating in 1Q2013.	Baseline inspection  and IP 95002 supplemental 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 PI in the Initiating Events Cornerstone originating in 1Q2013	Baseline inspection  and IP 95001 supplemental inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
Vogtle 1	Licensee Response Column	Baseline inspection



Vogle 2	Licensee Response Column	Baseline inspection
Watts Bar 1	Degraded Cornerstone Column  Watts Bar 1 is in Column 3 because of a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2013. Watts Bar 1 has an additional white finding in the Mitigating Systems Cornerstone.	Baseline inspection  and  IP 95002 supplemental inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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 Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	Baseline inspection  and  IP 95001 supplemental 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 a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Kewaunee	Regulatory Response Column  Kewaunee is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Licensee Response Column	Baseline inspection

Palisades	Licensee Response Column	Baseline inspection and Action Matrix Deviation
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 and Action Matrix Deviation
Point Beach 1	Regulatory Response Column  Point Beach 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Point Beach 2	Licensee Response Column	Baseline inspection
Prairie Island 1	Regulatory Response Column  Prairie Island 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Prairie Island 2	Regulatory Response Column  Prairie Island 2 is in Column 2 because of a white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	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	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	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 (ML113470721).	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.
Grand Gulf 1	Regulatory Response Column  Grand Gulf 1 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	Degraded Cornerstone Column  Wolf Creek is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 3Q2012. Wolf Creek also has a white PI in the Mitigating Systems Cornerstone originating in 2Q2012.	Baseline inspection  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
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Beaver Valley 1</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Beaver Valley 2</a>	<a href="#">Perry 1</a>		
<a href="#">Braidwood 1</a>	<a href="#">Browns Ferry 3</a>	<a href="#">Sequoyah 1</a>		
<a href="#">Braidwood 2</a>	<a href="#">Davis-Besse</a>	<a href="#">Sequoyah 2</a>		
<a href="#">Brunswick 1</a>	<a href="#">Fermi 2</a>	<a href="#">Watts Bar 1</a>		
<a href="#">Brunswick 2</a>	<a href="#">FitzPatrick</a>	<a href="#">Wolf Creek 1</a>		
<a href="#">Byron 1</a>	<a href="#">Grand Gulf 1</a>			
<a href="#">Byron 2</a>	<a href="#">Kewaunee</a>			
<a href="#">Callaway</a>	<a href="#">Nine Mile Point 1</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Point Beach 1</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Prairie Island 1</a>			
<a href="#">Catawba 1</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Catawba 2</a>	<a href="#">Susquehanna 2</a>			
<a href="#">Clinton</a>	<a href="#">Three Mile Island 1</a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Turkey Point 3</a>			
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">Crystal River 3</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Diablo Canyon 2</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				
<a href="#">Duane Arnold</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Ginna</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 2</a>				

[Indian Point 3](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Monticello](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Pilgrim 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 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

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*Last modification: Jun 07, 2013*

## 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: 09-19-2013**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Licensee Response Column	Baseline inspection
Nine Mile Point 1	Regulatory Response Column Nine Mile Point 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Regulatory Response Column Susquehanna 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Three Mile Island 1	Regulatory Response Column Three Mile Island 1 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection



Vermont Yankee	Licensee Response Column	Baseline inspection
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## ▲ 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	Degraded Cornerstone Column  Browns Ferry 2 is in Column 3 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012 and one white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95002 supplemental inspection
Browns Ferry 3	Regulatory Response Column  Browns Ferry 3 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column Robinson is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2013	Baseline inspection and IP 95001 supplemental inspection
Saint Lucie 1	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Degraded Cornerstone Column Sequoyah 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone both originating in 1Q2013.	Baseline inspection and IP 95002 supplemental inspection
Sequoyah 2	Degraded Cornerstone Column Sequoyah 2 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone both originating in 1Q2013.	Baseline inspection and IP 95002 supplemental 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 performance indicator in the Initiating Events Cornerstone originating in 1Q2013	Baseline inspection and IP 95001 supplemental inspection
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	Degraded Cornerstone Column Watts Bar 1 is in Column 3 because of a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2013. Watts Bar 1 has an additional white finding in the Mitigating Systems Cornerstone.	Baseline inspection and IP 95002 supplemental inspection

▲ **Region III**

<b>Reactor Unit</b>	<b>Action Matrix Column</b>	<b>Current Regulatory Oversight</b>
Braidwood 1	Licensee Response Column	Baseline inspection
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 Column 2 because of one or more greater-than-green finding(s) in the Security Cornerstone originating in 3Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Dresden 2	Regulatory Response Column  Dresden 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Dresden 3	Regulatory Response Column  Dresden 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Duane Arnold	Licensee Response Column	Baseline inspection
Fermi 2	Licensee Response Column	Baseline inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Regulatory Response Column  La Salle 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 2Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Monticello	Degraded Cornerstone Column  Monticello is in Column 3 because of a Yellow finding in the Mitigating Systems Cornerstone originating in 2Q2013.	Baseline inspection  and  IP95002 supplemental inspection

Palisades	Licensee Response Column	Baseline inspection and Action Matrix Deviation
Perry 1	Licensee Response Column	Baseline inspection
Point Beach 1	Degraded Cornerstone Column Point Beach 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone, one originating in 4Q2012 and the other in 1Q2013.	Baseline inspection and IP 95002 supplemental inspection
Point Beach 2	Regulatory Response Column Point Beach 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Prairie Island 1	Regulatory Response Column Prairie Island 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Prairie Island 2	Regulatory Response Column Prairie Island 2 is in Column 2 because of a white performance indicator in the Mitigating Systems Cornerstone originating in 1Q2013.	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	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	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 (ML113470721).	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.
Grand Gulf 1	Regulatory Response Column  Grand Gulf 1 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
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<a href="#"><u>Arkansas Nuclear 1</u></a>	<a href="#"><u>Browns Ferry 3</u></a>	<a href="#"><u>Browns Ferry 2</u></a>	<a href="#"><u>Browns Ferry 1</u></a>
<a href="#"><u>Arkansas Nuclear 2</u></a>	<a href="#"><u>Davis-Besse</u></a>	<a href="#"><u>Monticello</u></a>	
<a href="#"><u>Beaver Valley 1</u></a>	<a href="#"><u>Dresden 2</u></a>	<a href="#"><u>Point Beach 1</u></a>	
<a href="#"><u>Beaver Valley 2</u></a>	<a href="#"><u>Dresden 3</u></a>	<a href="#"><u>Sequoyah 1</u></a>	
<a href="#"><u>Braidwood 1</u></a>	<a href="#"><u>FitzPatrick</u></a>	<a href="#"><u>Sequoyah 2</u></a>	
<a href="#"><u>Braidwood 2</u></a>	<a href="#"><u>Grand Gulf 1</u></a>	<a href="#"><u>Watts Bar 1</u></a>	
<a href="#"><u>Brunswick 1</u></a>	<a href="#"><u>La Salle 2</u></a>		
<a href="#"><u>Brunswick 2</u></a>	<a href="#"><u>Nine Mile Point 1</u></a>		
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Point Beach 2</u></a>		
<a href="#"><u>Byron 2</u></a>	<a href="#"><u>Prairie Island 1</u></a>		
<a href="#"><u>Callaway</u></a>	<a href="#"><u>Prairie Island 2</u></a>		
<a href="#"><u>Calvert Cliffs 1</u></a>	<a href="#"><u>Robinson 2</u></a>		
<a href="#"><u>Calvert Cliffs 2</u></a>	<a href="#"><u>Susquehanna 2</u></a>		
<a href="#"><u>Catawba 1</u></a>	<a href="#"><u>Three Mile Island 1</u></a>		
<a href="#"><u>Catawba 2</u></a>	<a href="#"><u>Turkey Point 3</u></a>		
<a href="#"><u>Clinton</u></a>			
<a href="#"><u>Columbia Generating Station</u></a>			
<a href="#"><u>Comanche Peak 1</u></a>			
<a href="#"><u>Comanche Peak 2</u></a>			
<a href="#"><u>Cooper</u></a>			
<a href="#"><u>Crystal River 3</u></a>			
<a href="#"><u>D.C. Cook 1</u></a>			
<a href="#"><u>D.C. Cook 2</u></a>			
<a href="#"><u>Diablo Canyon 1</u></a>			
<a href="#"><u>Diablo Canyon 2</u></a>			
<a href="#"><u>Duane Arnold</u></a>			
<a href="#"><u>Farley 1</u></a>			
<a href="#"><u>Farley 2</u></a>			
<a href="#"><u>Fermi 2</u></a>			
<a href="#"><u>Ginna</u></a>			
<a href="#"><u>Harris 1</u></a>			
<a href="#"><u>Hatch 1</u></a>			
<a href="#"><u>Hatch 2</u></a>			
<a href="#"><u>Hope Creek 1</u></a>			
<a href="#"><u>Indian Point 2</u></a>			
<a href="#"><u>Indian Point 3</u></a>			
<a href="#"><u>La Salle 1</u></a>			
<a href="#"><u>Limerick 1</u></a>			
<a href="#"><u>Limerick 2</u></a>			
<a href="#"><u>McGuire 1</u></a>			
<a href="#"><u>McGuire 2</u></a>			

[Millstone 2](#)

[Millstone 3](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Pilgrim 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

[Wolf Creek 1](#)

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*Last modification: Sep 19, 2013*



## 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 inspection program.

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

**Last Modified: 01-15-2014**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column  Pilgrim is in Column 2 because of one white PI in the initiating events cornerstone originating in 3Q2013.	Baseline Inspection  and IP 95001 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Degraded Cornerstone Column  Susquehanna 2 is in Column 3 because of two white performance indicators in the Initiating Events Cornerstone, one originating in 4Q2012, and the other in 3Q2013.	Baseline inspection  and IP 95002 supplemental inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection
Vermont Yankee	Licensee Response Column	Baseline inspection

## ▲ Region II

# ROP Action Matrix Summary and Current Regulatory Oversight

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	Degraded Cornerstone Column  Browns Ferry 2 is in Column 3 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012 and one white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95002 supplemental inspection
Browns Ferry 3	Regulatory Response Column  Browns Ferry 3 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column Robinson is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2013	Baseline inspection and IP 95001 supplemental inspection
Saint Lucie 1	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Degraded Cornerstone Column Sequoyah 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone both originating in 1Q2013.	Baseline inspection and IP 95002 supplemental inspection
Sequoyah 2	Degraded Cornerstone Column Sequoyah 2 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone both originating in 1Q2013.	Baseline inspection and IP 95002 supplemental 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 performance indicator in the Initiating Events Cornerstone originating in 1Q2013	Baseline inspection and IP 95001 supplemental inspection
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	Degraded Cornerstone Column Watts Bar 1 is in Column 3 because of a yellow finding in the Mitigating Systems Cornerstone originating in 1Q2013. Watts Bar 1 has an additional white finding in the Mitigating Systems Cornerstone.	Baseline inspection and IP 95002 supplemental inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
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Braidwood 1	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Dresden 2	Regulatory Response Column  Dresden 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Dresden 3	Regulatory Response Column  Dresden 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Duane Arnold	Regulatory Response Column  Duane Arnold is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Fermi 2	Licensee Response Column	Baseline inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Regulatory Response Column  La Salle 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 2Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Monticello	Degraded Cornerstone Column  Monticello is in Column 3 because of a Yellow finding in the Mitigating Systems Cornerstone originating in 2Q2013.	Baseline inspection  and  IP95002 supplemental inspection
Palisades	Licensee Response Column	Baseline inspection  and

		Action Matrix Deviation
Perry 1	Licensee Response Column	Baseline inspection
Point Beach 1	Degraded Cornerstone Column Point Beach 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone, one originating in 4Q2012 and the other in 1Q2013.	Baseline inspection and IP 95002 supplemental inspection
Point Beach 2	Regulatory Response Column Point Beach 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection and IP 95001 supplemental inspection
Prairie Island 1	Regulatory Response Column Prairie Island 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Prairie Island 2	Regulatory Response Column Prairie Island 2 is in Column 2 because of a white performance indicator in the Mitigating Systems Cornerstone originating in 4Q2012.	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	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	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 (ML113470721).	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.
Grand Gulf 1	Regulatory Response Column  Grand Gulf 1 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Browns Ferry 3</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Dresden 2</a>	<a href="#">Monticello</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Dresden 3</a>	<a href="#">Point Beach 1</a>		

<a href="#"><u>Beaver Valley 2</u></a>	<a href="#"><u>Duane Arnold</u></a>	<a href="#"><u>Sequoyah 1</u></a>
<a href="#"><u>Braidwood 1</u></a>	<a href="#"><u>FitzPatrick</u></a>	<a href="#"><u>Sequoyah 2</u></a>
<a href="#"><u>Braidwood 2</u></a>	<a href="#"><u>Grand Gulf 1</u></a>	<a href="#"><u>Susquehanna 2</u></a>
<a href="#"><u>Brunswick 1</u></a>	<a href="#"><u>La Salle 2</u></a>	<a href="#"><u>Watts Bar 1</u></a>
<a href="#"><u>Brunswick 2</u></a>	<a href="#"><u>Pilgrim 1</u></a>	
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Point Beach 2</u></a>	
<a href="#"><u>Byron 2</u></a>	<a href="#"><u>Prairie Island 1</u></a>	
<a href="#"><u>Callaway</u></a>	<a href="#"><u>Prairie Island 2</u></a>	
<a href="#"><u>Calvert Cliffs 1</u></a>	<a href="#"><u>Robinson 2</u></a>	
<a href="#"><u>Calvert Cliffs 2</u></a>	<a href="#"><u>Turkey Point 3</u></a>	
<a href="#"><u>Catawba 1</u></a>		
<a href="#"><u>Catawba 2</u></a>		
<a href="#"><u>Clinton</u></a>		
<a href="#"><u>Columbia Generating Station</u></a>		
<a href="#"><u>Comanche Peak 1</u></a>		
<a href="#"><u>Comanche Peak 2</u></a>		
<a href="#"><u>Cooper</u></a>		
<a href="#"><u>D.C. Cook 1</u></a>		
<a href="#"><u>D.C. Cook 2</u></a>		
<a href="#"><u>Davis-Besse</u></a>		
<a href="#"><u>Diablo Canyon 1</u></a>		
<a href="#"><u>Diablo Canyon 2</u></a>		
<a href="#"><u>Farley 1</u></a>		
<a href="#"><u>Farley 2</u></a>		
<a href="#"><u>Fermi 2</u></a>		
<a href="#"><u>Ginna</u></a>		
<a href="#"><u>Harris 1</u></a>		
<a href="#"><u>Hatch 1</u></a>		
<a href="#"><u>Hatch 2</u></a>		
<a href="#"><u>Hope Creek 1</u></a>		
<a href="#"><u>Indian Point 2</u></a>		
<a href="#"><u>Indian Point 3</u></a>		
<a href="#"><u>La Salle 1</u></a>		
<a href="#"><u>Limerick 1</u></a>		
<a href="#"><u>Limerick 2</u></a>		
<a href="#"><u>McGuire 1</u></a>		
<a href="#"><u>McGuire 2</u></a>		
<a href="#"><u>Millstone 2</u></a>		
<a href="#"><u>Millstone 3</u></a>		
<a href="#"><u>Nine Mile Point 1</u></a>		
<a href="#"><u>Nine Mile Point 2</u></a>		



[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Three Mile Island 1](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Wolf Creek 1](#)

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*Last modification: Jan 15, 2014*

## 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 inspection program.

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

**Last Modified: 04-03-2014**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline 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	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	<p>Degraded Cornerstone Column</p> <p>Pilgrim is in Column 3 because of one white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2013.</p>	<p>Baseline Inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	<p>Degraded Cornerstone Column</p> <p>Susquehanna 2 is in Column 3 because of two white performance indicators in the Initiating Events Cornerstone, one originating in 4Q2012, and the other in 3Q2013.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95002 supplemental inspection</p>
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	Degraded Cornerstone Column  Browns Ferry 2 is in Column 3 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012 and one white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95002 supplemental inspection
Browns Ferry 3	Regulatory Response Column  Browns Ferry 3 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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 performance indicator in the Initiating Events Cornerstone originating in 1Q2013	Baseline inspection  and  IP 95001 supplemental inspection
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	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Licensee Response Column	Baseline inspection
Clinton	Regulatory Response Column  Clinton is in Column 2 because of a white	Baseline inspection  and

	performance indicator in the Initiating Events Cornerstone originating in 4Q2013	IP 95001 supplemental 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	Degraded Cornerstone Column  Duane Arnold is in Column 3 because of 2 white findings in the Mitigating Systems Cornerstone originating in 3Q2013.	Baseline inspection  and  IP 95002 supplemental inspection
Fermi 2	Licensee Response Column	Baseline inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Regulatory Response Column  La Salle 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 2Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Monticello	Degraded Cornerstone Column  Monticello is in Column 3 because of a Yellow finding in the Mitigating Systems Cornerstone originating in 2Q2013.	Baseline inspection  and  IP95002 supplemental inspection
Palisades	Licensee Response Column	Baseline inspection  and  Action Matrix Deviation
Perry 1	Licensee Response Column	Baseline inspection
Point Beach 1	Degraded Cornerstone Column  Point Beach 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone, one originating in 4Q2012 and the other in 1Q2013.	Baseline inspection  and  IP 95002 supplemental inspection
	Regulatory Response Column	Baseline inspection

Point Beach 2	Point Beach 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	and IP 95001 supplemental inspection
Prairie Island 1	Licensee Response Column	Baseline inspection
Prairie Island 2	Regulatory Response Column  Prairie Island 2 is in Column 2 because of a white performance indicator in the Mitigating Systems Cornerstone originating in 4Q2012.	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	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	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 (ML113470721).	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.
Grand Gulf 1	Regulatory Response Column  Grand Gulf 1 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating	Baseline inspection  and IP 95001 supplemental inspection

	in 1Q2013.	
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
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Regulatory Response Column  Waterford is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2013	Baseline inspection  and IP 95001 supplemental inspection
Wolf Creek 1	Regulatory Response Column  Wolf Creek is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2013	Baseline inspection  and IP 95001 supplemental inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Browns Ferry 3</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Clinton</a>	<a href="#">Duane Arnold</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">FitzPatrick</a>	<a href="#">Monticello</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Grand Gulf 1</a>	<a href="#">Pilgrim 1</a>		
<a href="#">Braidwood 1</a>	<a href="#">La Salle 2</a>	<a href="#">Point Beach 1</a>		
<a href="#">Braidwood 2</a>	<a href="#">Point Beach 2</a>	<a href="#">Susquehanna 2</a>		
<a href="#">Brunswick 1</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Brunswick 2</a>	<a href="#">Turkey Point 3</a>			
<a href="#">Byron 1</a>	<a href="#">Waterford 3</a>			
<a href="#">Byron 2</a>	<a href="#">Wolf Creek 1</a>			
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				



[Columbia Generating Station](#)

[Comanche Peak 1](#)

[Comanche Peak 2](#)

[Cooper](#)

[D.C. Cook 1](#)

[D.C. Cook 2](#)

[Davis-Besse](#)

[Diablo Canyon 1](#)

[Diablo Canyon 2](#)

[Dresden 2](#)

[Dresden 3](#)

[Farley 1](#)

[Farley 2](#)

[Fermi 2](#)

[Ginna](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[Indian Point 3](#)

[La Salle 1](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Prairie Island 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[San Onofre 2](#)

[San Onofre 3](#)

[Seabrook 1](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Three Mile Island 1](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Watts Bar 1](#)

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*Last modification: Apr 03, 2014*

## 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: 07-01-2014**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
	Regulatory Response Column	Baseline inspection

# ROP Action Matrix Summary and Current Regulatory Oversight

Ginna	Ginna is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2013.	and IP 95001 supplemental inspection
Hope Creek 1	Licensee Response Column	Baseline 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	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	Degraded Cornerstone Column  Pilgrim is in Column 3 because of one white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2013.	Baseline Inspection  and IP 95002 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Degraded Cornerstone Column  Susquehanna 2 is in Column 3 because of two white performance indicators in the Initiating Events Cornerstone, one originating in 4Q2012, and the other in 3Q2013.	Baseline inspection  and IP 95002 supplemental 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	Degraded Cornerstone Column  Browns Ferry 2 is in Column 3 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2012 and one white PI in the Mitigating Systems Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95002 supplemental inspection
Browns Ferry 3	Regulatory Response Column  Browns Ferry 3 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Licensee Response Column	Baseline inspection
Clinton	Regulatory Response Column Clinton is in Column 2 because of a white	Baseline inspection and

	performance indicator in the Initiating Events Cornerstone originating in 4Q2013	IP 95001 supplemental 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	Degraded Cornerstone Column  Duane Arnold is in Column 3 because of 2 white findings in the Mitigating Systems Cornerstone originating in 3Q2013.	Baseline inspection  and  IP 95002 supplemental inspection
Fermi 2	Regulatory Response Column  Fermi is in column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2014	Baseline inspection  and  IP 95001 supplemental inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column  The Inspection Findings Summary and Performance Indicators still show a white input into the Action Matrix in the Initiating Event cornerstone for 1Q2014. The supplemental inspection was completed satisfactorily. The finding is closed and the Performance Indicator will be green when the data is reported, moving La Salle 2 back to column 1.	Baseline inspection
Monticello	Degraded Cornerstone Column  Monticello is in Column 3 because of a Yellow finding in the Mitigating Systems Cornerstone originating in 2Q2013.	Baseline inspection  and  IP95002 supplemental inspection
Palisades	Licensee Response Column	Baseline inspection  and  Action Matrix Deviation
Perry 1	Licensee Response Column	Baseline inspection

Point Beach 1	Degraded Cornerstone Column  Point Beach 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone, one originating in 4Q2012 and the other in 1Q2013.	Baseline inspection  and  IP 95002 supplemental inspection
Point Beach 2	Regulatory Response Column  Point Beach 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Prairie Island 1	Licensee Response Column	Baseline inspection
Prairie Island 2	Regulatory Response Column  Prairie Island 2 is in Column 2 because of a white performance indicator in the Mitigating Systems Cornerstone originating in 4Q2012.	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	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	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	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.



	Concerns." For more information please see the letter dated December 13, 2011 (ML113470721).	
Grand Gulf 1	Regulatory Response Column  Grand Gulf 1 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental 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
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Regulatory Response Column  Waterford is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2013	Baseline inspection  and  IP 95001 supplemental inspection
Wolf Creek 1	Regulatory Response Column  Wolf Creek is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2013	Baseline inspection  and  IP 95001 supplemental inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Arkansas Nuclear 1</a>	<a href="#">Browns Ferry 3</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Browns Ferry 1</a>	
<a href="#">Arkansas Nuclear 2</a>	<a href="#">Clinton</a>	<a href="#">Duane Arnold</a>		
<a href="#">Beaver Valley 1</a>	<a href="#">Fermi 2</a>	<a href="#">Monticello</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">FitzPatrick</a>	<a href="#">Pilgrim 1</a>		
<a href="#">Braidwood 1</a>	<a href="#">Ginna</a>	<a href="#">Point Beach 1</a>		
<a href="#">Braidwood 2</a>	<a href="#">Grand Gulf 1</a>	<a href="#">Susquehanna 2</a>		
<a href="#">Brunswick 1</a>	<a href="#">Point Beach 2</a>			
<a href="#">Brunswick 2</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Byron 1</a>	<a href="#">Waterford 3</a>			

[Byron 2](#)                      [Wolf Creek 1](#)  
[Callaway](#)  
[Calvert Cliffs 1](#)  
[Calvert Cliffs 2](#)  
[Catawba 1](#)  
[Catawba 2](#)  
[Columbia Generating  
Station](#)  
[Comanche Peak 1](#)  
[Comanche Peak 2](#)  
[Cooper](#)  
[D.C. Cook 1](#)  
[D.C. Cook 2](#)  
[Davis-Besse](#)  
[Diablo Canyon 1](#)  
[Diablo Canyon 2](#)  
[Dresden 2](#)  
[Dresden 3](#)  
[Farley 1](#)  
[Farley 2](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)  
[Indian Point 3](#)  
[La Salle 1](#)  
[La Salle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Oconee 1](#)  
[Oconee 2](#)  
[Oconee 3](#)  
[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Prairie Island 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[Seabrook 1](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Susquehanna 1](#)

[Three Mile Island 1](#)

[Turkey Point 3](#)

[Turkey Point 4](#)

[Vermont Yankee](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Watts Bar 1](#)

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*Last modification: Jul 01, 2014*

## 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: 10-01-2014**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline 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	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	Degraded Cornerstone Column  Pilgrim is in Column 3 because of one white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2013.	Baseline Inspection  and  IP 95002 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
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
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Browns Ferry 1	Regulatory Response Column  Browns Ferry 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Browns Ferry 2	Regulatory Response Column  Browns Ferry 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2013.	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 Emergency Preparedness Cornerstone originating in 4Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
North Anna 2	Licensee Response Column	Baseline inspection
Oconee 1	Regulatory Response Column  Oconee 1 is in the Regulatory Response column because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2014.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
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	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 a greater-than-green finding in the Security Cornerstone originating in 1Q2014	Baseline inspection  and  IP 95001 supplemental inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column  The Inspection Findings Summary and Performance Indicators still show a white input into the Action Matrix in the Initiating Event cornerstone for 1Q2014. The supplemental inspection was completed satisfactorily. The finding is closed and the Performance Indicator will be green when the data is reported, moving La Salle 2 back to column 1.	Baseline inspection
Monticello	Degraded Cornerstone Column  Monticello is in Column 3 because of a Yellow finding in the Mitigating Systems Cornerstone originating in 2Q2013.	Baseline inspection  and  IP95002 supplemental inspection
Palisades	Licensee Response Column	Baseline inspection  and  Action Matrix Deviation
Perry 1	Licensee Response Column	Baseline inspection
Point Beach 1	Degraded Cornerstone Column  Point Beach 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone, one originating in 4Q2012 and the other in 1Q2013.	Baseline inspection  and  IP 95002 supplemental inspection
Point Beach 2	Regulatory Response Column  Point Beach 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and  IP 95001 supplemental inspection
Prairie Island 1	Licensee Response Column	Baseline inspection



Prairie Island 2	Regulatory Response Column  Prairie Island 2 is in Column 2 because of a white performance indicator in the Mitigating Systems Cornerstone originating in 4Q2012.	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	Degraded Cornerstone Column  ANO Unit 1 is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014 and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95002 supplemental inspection
Arkansas Nuclear 2	Degraded Cornerstone Column  ANO Unit 2 is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014 and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95002 supplemental inspection
Callaway	Licensee Response Column	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	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	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.

	see the letter dated December 13, 2011 (ML113470721).	
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
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Regulatory Response Column  Waterford is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2013	Baseline inspection  and IP 95001 supplemental inspection
Wolf Creek 1	Regulatory Response Column  Wolf Creek is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2013	Baseline inspection  and IP 95001 supplemental inspection

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Browns Ferry 1</a>	<a href="#">Arkansas Nuclear 1</a>		
<a href="#">Beaver Valley 2</a>	<a href="#">Browns Ferry 2</a>	<a href="#">Arkansas Nuclear 2</a>		
<a href="#">Braidwood 1</a>	<a href="#">Browns Ferry 3</a>	<a href="#">Monticello</a>		
<a href="#">Braidwood 2</a>	<a href="#">Fermi 2</a>	<a href="#">Pilgrim 1</a>		
<a href="#">Brunswick 1</a>	<a href="#">FitzPatrick</a>	<a href="#">Point Beach 1</a>		
<a href="#">Brunswick 2</a>	<a href="#">Oconee 1</a>			
<a href="#">Byron 1</a>	<a href="#">Point Beach 2</a>			
<a href="#">Byron 2</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Callaway</a>	<a href="#">Waterford 3</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Wolf Creek 1</a>			
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				

[Clinton](#)

[Columbia Generating  
Station](#)

[Comanche Peak 1](#)

[Comanche Peak 2](#)

[Cooper](#)

[D.C. Cook 1](#)

[D.C. Cook 2](#)

[Davis-Besse](#)

[Diablo Canyon 1](#)

[Diablo Canyon 2](#)

[Dresden 2](#)

[Dresden 3](#)

[Duane Arnold](#)

[Farley 1](#)

[Farley 2](#)

[Ginna](#)

[Grand Gulf 1](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[Indian Point 3](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Prairie Island 1](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[Seabrook 1](#)

[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](#)

[Watts Bar 1](#)

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*Last modification: Oct 01, 2014*

## 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: 01-20-2015**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column Calvert Cliffs 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2014.	Baseline inspection and IP 95001 supplemental inspection
FitzPatrick	Regulatory Response Column FitzPatrick is in Column 2 because of a white performance indicator in the	Baseline inspection and

	Initiating Events Cornerstone originating in 4Q2012.	IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline inspection
Indian Point 2	Licensee Response Column	Baseline inspection
Indian Point 3	Licensee Response Column	Baseline inspection
Limerick 1	Regulatory Response Column  Limerick 1 is in Column 2 because of a greater-than-green finding in the Security cornerstone originating in 2Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Limerick 2	Regulatory Response Column  Limerick 2 is in Column 2 because of a greater-than-green finding in the Security cornerstone originating in 2Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Regulatory Response Column  Millstone 3 is in Column 2 because of a White finding in the Mitigating Systems cornerstone originating in 2Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Nine Mile Point 1	Licensee Response Column	Baseline inspection
Nine Mile Point 2	Licensee Response Column	Baseline inspection
Oyster Creek	Regulatory Response Column  Oyster Creek is in the Regulatory Response column because of a white Performance Indicator in the Initiating Events Cornerstone originating in 3Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Peach Bottom 2	Licensee Response Column	Baseline inspection
Peach Bottom 3	Licensee Response Column	Baseline inspection
Pilgrim 1	Degraded Cornerstone Column  Pilgrim is in Column 3 because of one white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2013.	Baseline Inspection  and IP 95002 supplemental inspection

Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
North Anna 2	Licensee Response Column	Baseline inspection

Oconee 1	Regulatory Response Column  Oconee 1 is in the Regulatory Response column because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2014.	Baseline inspection  and  IP 95001 supplemental 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	Regulatory Response Column  St. Lucie Unit 1 is in the Regulatory Response column because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2014.	Baseline inspection  and  IP 95001 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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection



Byron 2	Licensee Response Column	Baseline inspection
Clinton	Regulatory Response Column  Clinton is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014.	Baseline inspection  and IP 95001 supplemental 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 Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 3Q2014.	Baseline inspection  and IP 95001 supplemental 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 a greater-than-green finding in the Security Cornerstone originating in 1Q2014	Baseline inspection  and IP 95001 supplemental inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column  The Inspection Findings Summary and Performance Indicators still show a white input into the Action Matrix in the Initiating Event cornerstone for 1Q2014. The supplemental inspection was completed satisfactorily. The finding is closed and the Performance Indicator will be green when the data is reported, moving La Salle 2 back to column 1.	Baseline inspection
Monticello	Degraded Cornerstone Column  Monticello is in Column 3 because of a Yellow finding in the Mitigating Systems Cornerstone originating in 2Q2013.	Baseline inspection  and IP95002 supplemental inspection
	Licensee Response Column	Baseline inspection

Palisades		and Action Matrix Deviation
Perry 1	Licensee Response Column	Baseline inspection
Point Beach 1	Degraded Cornerstone Column  Point Beach 1 is in Column 3 because of two white findings in the Mitigating Systems Cornerstone, one originating in 4Q2012 and the other in 1Q2013.	Baseline inspection  and IP 95002 supplemental inspection
Point Beach 2	Regulatory Response Column  Point Beach 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2013.	Baseline inspection  and IP 95001 supplemental inspection
Prairie Island 1	Licensee Response Column	Baseline inspection
Prairie Island 2	Licensee Response Column	Baseline 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	Degraded Cornerstone Column  ANO Unit 1 is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014 and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and IP 95002 supplemental inspection
Arkansas Nuclear 2	Degraded Cornerstone Column  ANO Unit 2 is in Column 3 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014 and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and IP 95002 supplemental inspection
Callaway	Licensee Response Column	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	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 (ML113470721).	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.
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	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014.	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	Regulatory Response Column  Waterford is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2013	Baseline inspection  and  IP 95001 supplemental inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Calvert Cliffs 2</a>	<a href="#">Arkansas Nuclear 1</a>		

<a href="#"><u>Beaver Valley 2</u></a>	<a href="#"><u>Clinton</u></a>	<a href="#"><u>Arkansas Nuclear 2</u></a>
<a href="#"><u>Braidwood 1</u></a>	<a href="#"><u>Davis-Besse</u></a>	<a href="#"><u>Monticello</u></a>
<a href="#"><u>Braidwood 2</u></a>	<a href="#"><u>Fermi 2</u></a>	<a href="#"><u>Pilgrim 1</u></a>
<a href="#"><u>Browns Ferry 1</u></a>	<a href="#"><u>FitzPatrick</u></a>	<a href="#"><u>Point Beach 1</u></a>
<a href="#"><u>Browns Ferry 2</u></a>	<a href="#"><u>Limerick 1</u></a>	
<a href="#"><u>Browns Ferry 3</u></a>	<a href="#"><u>Limerick 2</u></a>	
<a href="#"><u>Brunswick 1</u></a>	<a href="#"><u>Millstone 3</u></a>	
<a href="#"><u>Brunswick 2</u></a>	<a href="#"><u>Oconee 1</u></a>	
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Oyster Creek</u></a>	
<a href="#"><u>Byron 2</u></a>	<a href="#"><u>Point Beach 2</u></a>	
<a href="#"><u>Callaway</u></a>	<a href="#"><u>River Bend 1</u></a>	
<a href="#"><u>Calvert Cliffs 1</u></a>	<a href="#"><u>Saint Lucie 1</u></a>	
<a href="#"><u>Catawba 1</u></a>	<a href="#"><u>Waterford 3</u></a>	
<a href="#"><u>Catawba 2</u></a>		
<a href="#"><u>Columbia Generating Station</u></a>		
<a href="#"><u>Comanche Peak 1</u></a>		
<a href="#"><u>Comanche Peak 2</u></a>		
<a href="#"><u>Cooper</u></a>		
<a href="#"><u>D.C. Cook 1</u></a>		
<a href="#"><u>D.C. Cook 2</u></a>		
<a href="#"><u>Diablo Canyon 1</u></a>		
<a href="#"><u>Diablo Canyon 2</u></a>		
<a href="#"><u>Dresden 2</u></a>		
<a href="#"><u>Dresden 3</u></a>		
<a href="#"><u>Duane Arnold</u></a>		
<a href="#"><u>Farley 1</u></a>		
<a href="#"><u>Farley 2</u></a>		
<a href="#"><u>Ginna</u></a>		
<a href="#"><u>Grand Gulf 1</u></a>		
<a href="#"><u>Harris 1</u></a>		
<a href="#"><u>Hatch 1</u></a>		
<a href="#"><u>Hatch 2</u></a>		
<a href="#"><u>Hope Creek 1</u></a>		
<a href="#"><u>Indian Point 2</u></a>		
<a href="#"><u>Indian Point 3</u></a>		
<a href="#"><u>La Salle 1</u></a>		
<a href="#"><u>La Salle 2</u></a>		
<a href="#"><u>McGuire 1</u></a>		
<a href="#"><u>McGuire 2</u></a>		
<a href="#"><u>Millstone 2</u></a>		
<a href="#"><u>Nine Mile Point 1</u></a>		

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 2](#)

[Oconee 3](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[Robinson 2](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[Seabrook 1](#)

[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](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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## 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: 04-01-2015**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column  FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection  and  IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline inspection
Indian Point 2	Licensee Response Column	Baseline inspection
Indian Point 3	Licensee Response Column	Baseline inspection
Limerick 1	Regulatory Response Column  Limerick 1 is in Column 2 because of a greater-than-green finding in the Security cornerstone originating in 2Q2014.	Baseline inspection  and  IP 95001 supplemental inspection
Limerick 2	Regulatory Response Column  Limerick 2 is in Column 2 because of a greater-than-green finding in the Security cornerstone originating in 2Q2014.	Baseline inspection  and  IP 95001 supplemental inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Regulatory Response Column  Millstone 3 is in Column 2 because of a White finding in the Mitigating Systems cornerstone originating in 2Q2014.	Baseline inspection  and  IP 95001 supplemental 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	Degraded Cornerstone Column  Pilgrim is in Column 3 because of one white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2013. Because the performance indicators have returned to green, parallel white inspection findings were opened pending successful completion of the supplemental inspection.	Baseline Inspection  and  IP 95002 supplemental inspection
Salem 1	Regulatory Response Column  Salem is in the Regulatory Response column because of one white performance	Baseline inspection  and

	indicator in the Initiating Events Cornerstone originating in 4Q2014.	IP 95001 supplemental inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column St. Lucie Unit 1 is in the Regulatory Response column because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2014.	Baseline inspection and IP 95001 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
Vogtle 1	Regulatory Response Column Vogtle Unit 1 is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 3Q2014.	Baseline inspection and IP 95001 supplemental inspection
Vogtle 2	Regulatory Response Column Vogtle Unit 2 is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 3Q2014.	Baseline inspection and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response Column	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight

Braidwood 1	Licensee Response Column	Baseline inspection
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 Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 3Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Dresden 2	Licensee Response Column	Baseline inspection
Dresden 3	Regulatory Response Column  Dresden Unit 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Duane Arnold	Licensee Response Column	Baseline inspection
Fermi 2	Licensee Response Column	Baseline inspection
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Regulatory Response Column  Monticello is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Palisades	Regulatory Response Column  Palisades is in Column 2 because of a white finding in the Occupational Radiation Safety Cornerstone originating in 4Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Perry 1	Licensee Response Column	Baseline inspection
	Licensee Response Column	

Point Beach 1		Baseline inspection
Point Beach 2	Licensee Response Column	Baseline inspection
Prairie Island 1	Licensee Response Column	Baseline inspection
Prairie Island 2	Licensee Response Column	Baseline 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	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	Baseline inspection
Diablo Canyon 1	Regulatory Response Column  Diablo Canyon Unit 1 is in Column 2 because of a white finding in the	Baseline inspection  and

	Emergency Preparedness Cornerstone originating in 4Q2014.	IP 95001 supplemental inspection
Diablo Canyon 2	Regulatory Response Column  Diablo Canyon Unit 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2014.	Baseline inspection  and  IP 95001 supplemental 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	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Regulatory Response Column  Waterford is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2013	Baseline inspection  and  IP 95001 supplemental inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse</a>	<a href="#">Pilgrim 1</a>	<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Diablo Canyon 1</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Diablo Canyon 2</a>			

<a href="#"><u>Braidwood 2</u></a>	<a href="#"><u>Dresden 3</u></a>
<a href="#"><u>Browns Ferry 1</u></a>	<a href="#"><u>FitzPatrick</u></a>
<a href="#"><u>Browns Ferry 2</u></a>	<a href="#"><u>Limerick 1</u></a>
<a href="#"><u>Browns Ferry 3</u></a>	<a href="#"><u>Limerick 2</u></a>
<a href="#"><u>Brunswick 1</u></a>	<a href="#"><u>Millstone 3</u></a>
<a href="#"><u>Brunswick 2</u></a>	<a href="#"><u>Monticello</u></a>
<a href="#"><u>Byron 1</u></a>	<a href="#"><u>Palisades</u></a>
<a href="#"><u>Byron 2</u></a>	<a href="#"><u>River Bend 1</u></a>
<a href="#"><u>Callaway</u></a>	<a href="#"><u>Saint Lucie 1</u></a>
<a href="#"><u>Calvert Cliffs 1</u></a>	<a href="#"><u>Salem 1</u></a>
<a href="#"><u>Calvert Cliffs 2</u></a>	<a href="#"><u>Vogtle 1</u></a>
<a href="#"><u>Catawba 1</u></a>	<a href="#"><u>Vogtle 2</u></a>
<a href="#"><u>Catawba 2</u></a>	<a href="#"><u>Waterford 3</u></a>
<a href="#"><u>Clinton</u></a>	
<a href="#"><u>Columbia Generating Station</u></a>	
<a href="#"><u>Comanche Peak 1</u></a>	
<a href="#"><u>Comanche Peak 2</u></a>	
<a href="#"><u>Cooper</u></a>	
<a href="#"><u>D.C. Cook 1</u></a>	
<a href="#"><u>D.C. Cook 2</u></a>	
<a href="#"><u>Dresden 2</u></a>	
<a href="#"><u>Duane Arnold</u></a>	
<a href="#"><u>Farley 1</u></a>	
<a href="#"><u>Farley 2</u></a>	
<a href="#"><u>Fermi 2</u></a>	
<a href="#"><u>Fort Calhoun</u></a>	
<a href="#"><u>Ginna</u></a>	
<a href="#"><u>Grand Gulf 1</u></a>	
<a href="#"><u>Harris 1</u></a>	
<a href="#"><u>Hatch 1</u></a>	
<a href="#"><u>Hatch 2</u></a>	
<a href="#"><u>Hope Creek 1</u></a>	
<a href="#"><u>Indian Point 2</u></a>	
<a href="#"><u>Indian Point 3</u></a>	
<a href="#"><u>La Salle 1</u></a>	
<a href="#"><u>La Salle 2</u></a>	
<a href="#"><u>McGuire 1</u></a>	
<a href="#"><u>McGuire 2</u></a>	
<a href="#"><u>Millstone 2</u></a>	
<a href="#"><u>Nine Mile Point 1</u></a>	
<a href="#"><u>Nine Mile Point 2</u></a>	

[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](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[Robinson 2](#)

[Saint Lucie 2](#)

[Salem 2](#)

[Seabrook 1](#)

[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](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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*Last modification: Apr 01, 2015*

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

**Last Modified: 07-06-2015**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Regulatory Response Column  Millstone 3 is in Column 2 because of a White finding in the Mitigating Systems cornerstone originating in 2Q2014 and a greater-than-green finding in the Security Cornerstone originating in 4Q2014.	Baseline inspection  and  IP 95001 supplemental inspection
Nine Mile Point 1	Licensee Response Column	Baseline inspection
Nine Mile Point 2	Licensee Response Column	Baseline inspection
Oyster Creek	Regulatory Response Column  Oyster Creek is in Column 2 because of a White finding in the Mitigating Systems Cornerstone originating in 4Q2014. As detailed in inspection report 2015007 (ML15112A147) Oyster Creek has a Yellow finding in the Mitigating Systems Cornerstone. This finding was determined to be an old design issue, and in accordance with IMC 0305, is not an input to the Action Matrix with other performance indicators and inspection findings. The finding will remain open until all IP 95002 inspection objectives have been met and verified by inspection.	Baseline inspection  and  IP 95002 supplemental inspection
Peach Bottom 2	Licensee Response Column	Baseline inspection
Peach Bottom 3	Licensee Response Column	Baseline inspection
Pilgrim 1	Degraded Cornerstone Column  Pilgrim is in Column 3 because of one white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, and one white performance indicator in the Initiating Events	Baseline Inspection  and



	Cornerstone originating in 4Q2013. Because the performance indicators have returned to green, parallel white inspection findings were opened pending successful completion of the supplemental inspection.	IP 95002 supplemental inspection
Salem 1	Regulatory Response Column  Salem is in the Regulatory Response column because of one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Regulatory Response Column  Susquehanna Unit 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 1Q2015.	Baseline inspection  and IP 95001 supplemental inspection
Susquehanna 2	Regulatory Response Column  Susquehanna Unit 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 1Q2015.	Baseline inspection  and IP 95001 supplemental inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Regulatory Response Column  St. Lucie Unit 1 is in the Regulatory Response column because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2014.	Baseline inspection  and  IP 95001 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
	Regulatory Response Column	Baseline inspection

Vogtle 1	Vogtle Unit 1 is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 4Q2014.	and IP 95001 supplemental inspection
Vogtle 2	Regulatory Response Column Vogtle Unit 2 is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response Column	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Dresden 2	Regulatory Response Column Dresden Unit 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental inspection
Dresden 3	Regulatory Response Column Dresden Unit 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
Duane Arnold	Regulatory Response Column Duane Arnold is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental inspection
Fermi 2	Licensee Response Column	Baseline inspection

La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Regulatory Response Column Monticello is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
Palisades	Regulatory Response Column Palisades is in Column 2 because of a white finding in the Occupational Radiation Safety Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
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	Licensee Response Column	Baseline 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	Multiple/Repetitive Degraded Cornerstone Column ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection and IP 95003 supplemental inspection
	Multiple/Repetitive Degraded Cornerstone Column	Baseline inspection

Arkansas Nuclear 2	ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	and IP 95003 supplemental inspection
Callaway	Licensee Response Column	Baseline inspection
Columbia Generating Station	Licensee Response Column	Baseline inspection
Comanche Peak 1	Regulatory Response Column  Comanche Peak Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 3Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Comanche Peak 2	Regulatory Response Column  Comanche Peak Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 3Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Cooper	Licensee Response Column	Baseline inspection
Diablo Canyon 1	Regulatory Response Column  Diablo Canyon Unit 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2014.	Baseline inspection  and IP 95001 supplemental inspection
Diablo Canyon 2	Regulatory Response Column  Diablo Canyon Unit 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2014.	Baseline inspection  and IP 95001 supplemental 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	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Comanche Peak 1</a>	<a href="#">Pilgrim 1</a>	<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Comanche Peak 2</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Diablo Canyon 1</a>			
<a href="#">Braidwood 2</a>	<a href="#">Diablo Canyon 2</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Dresden 2</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="#">Brunswick 1</a>	<a href="#">FitzPatrick</a>			
<a href="#">Brunswick 2</a>	<a href="#">Millstone 3</a>			
<a href="#">Byron 1</a>	<a href="#">Monticello</a>			
<a href="#">Byron 2</a>	<a href="#">Oyster Creek</a>			
<a href="#">Callaway</a>	<a href="#">Palisades</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">River Bend 1</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Saint Lucie 1</a>			
<a href="#">Catawba 1</a>	<a href="#">Salem 1</a>			
<a href="#">Catawba 2</a>	<a href="#">Susquehanna 1</a>			
<a href="#">Clinton</a>	<a href="#">Susquehanna 2</a>			
<a href="#">Columbia Generating Station</a>	<a href="#">Vogtle 1</a>			
<a href="#">Cooper</a>	<a href="#">Vogtle 2</a>			
<a href="#">D.C. Cook 1</a>				

[D.C. Cook 2](#)

[Davis-Besse](#)

[Farley 1](#)

[Farley 2](#)

[Fermi 2](#)

[Fort Calhoun](#)

[Ginna](#)

[Grand Gulf 1](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[Indian Point 3](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[Robinson 2](#)

[Saint Louis 2](#)

[Salem 2](#)

[Seabrook 1](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Three Mile Island 1](#)

[Turkey Point 3](#)

[Turkey Point 4](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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*Last modification: Jul 06, 2015*



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

**Last Modified: 10-19-2015**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column FitzPatrick is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2012.	Baseline inspection and IP 95001 supplemental inspection
Ginna	Licensee Response Column	Baseline inspection

Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Regulatory Response Column  Millstone 3 is in Column 2 because of a White finding in the Mitigating Systems cornerstone originating in 2Q2014 and a greater-than-green finding in the Security Cornerstone originating in 4Q2014.	Baseline inspection  and  IP 95001 supplemental inspection
Nine Mile Point 1	Licensee Response Column	Baseline inspection
Nine Mile Point 2	Licensee Response Column	Baseline inspection
Oyster Creek	Regulatory Response Column  Oyster Creek is in Column 2 because of a White finding in the Mitigating Systems Cornerstone originating in 4Q2014. As detailed in inspection report 2015007 (ML15112A147) Oyster Creek has a Yellow finding in the Mitigating Systems Cornerstone. This finding was determined to be an old design issue, and in accordance with IMC 0305, is not an input to the Action Matrix with other performance indicators and inspection findings. The finding will remain open until all IP 95002 inspection objectives have been met and verified by inspection.	Baseline inspection  and  IP 95002 supplemental inspection
Peach Bottom 2	Licensee Response Column	Baseline inspection
Peach Bottom 3	Licensee Response Column	Baseline inspection
	Multiple/Repetitive Degraded Cornerstone Column  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating	Baseline Inspection

Pilgrim 1	in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	and IP 95003 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Regulatory Response Column Susquehanna Unit 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental inspection
Susquehanna 2	Regulatory Response Column Susquehanna Unit 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
Vogtle 1	Licensee Response Column	Baseline inspection
Vogtle 2	Licensee Response Column	Baseline inspection
	Licensee Response Column	

Watts Bar 1	Baseline inspection
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### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
Braidwood 2	Licensee Response Column	Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Licensee Response Column	Baseline inspection
Clinton	Regulatory Response Column Clinton is in column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental 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	Regulatory Response Column Dresden Unit 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2015.	Baseline inspection and IP 95001 supplemental inspection
Dresden 3	Regulatory Response Column Dresden Unit 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
Duane Arnold	Regulatory Response Column Duane Arnold is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental inspection
Fermi 2	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	Licensee Response Column	Baseline inspection

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	Licensee Response Column	Baseline 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	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Callaway	Licensee Response Column	Baseline inspection
Columbia Generating Station	Licensee Response Column	Baseline inspection
Comanche Peak 1	Regulatory Response Column  Comanche Peak Unit 1 is in Column 2 because of a greater-than-green finding in	Baseline inspection  and

	the Security Cornerstone originating in 3Q2014.	IP 95001 supplemental inspection
Comanche Peak 2	Regulatory Response Column Comanche Peak Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 3Q2014.	Baseline inspection and IP 95001 supplemental inspection
Cooper	Licensee Response Column	Baseline inspection
Diablo Canyon 1	Regulatory Response Column Diablo Canyon Unit 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
Diablo Canyon 2	Regulatory Response Column Diablo Canyon Unit 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental 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	Regulatory Response Column River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Clinton</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Comanche Peak 1</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Comanche Peak 2</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">Diablo Canyon 1</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Diablo Canyon 2</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Dresden 2</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Dresden 3</a>			
<a href="#">Brunswick 1</a>	<a href="#">Duane Arnold</a>			
<a href="#">Brunswick 2</a>	<a href="#">FitzPatrick</a>			
<a href="#">Byron 1</a>	<a href="#">Millstone 3</a>			
<a href="#">Byron 2</a>	<a href="#">Oyster Creek</a>			
<a href="#">Callaway</a>	<a href="#">River Bend 1</a>			
<a href="#">Calvert Cliffs 1</a>	<a href="#">Susquehanna 1</a>			
<a href="#">Calvert Cliffs 2</a>	<a href="#">Susquehanna 2</a>			
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Cooper</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Davis-Besse</a>				
<a href="#">Farley 1</a>				
<a href="#">Farley 2</a>				
<a href="#">Fermi 2</a>				
<a href="#">Fort Calhoun</a>				
<a href="#">Ginna</a>				
<a href="#">Grand Gulf 1</a>				
<a href="#">Harris 1</a>				
<a href="#">Hatch 1</a>				
<a href="#">Hatch 2</a>				
<a href="#">Hope Creek 1</a>				
<a href="#">Indian Point 2</a>				
<a href="#">Indian Point 3</a>				
<a href="#">La Salle 1</a>				



[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Monticello](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[Seabrook 1](#)

[Sequoyah 1](#)

[Sequoyah 2](#)

[South Texas 1](#)

[South Texas 2](#)

[Summer](#)

[Surry 1](#)

[Surry 2](#)

[Three Mile Island 1](#)

[Turkey Point 2](#)

[Turkey Point 4](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Wolf Creek 1](#)

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*Last modification: Oct 19, 2015*

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

**Last Modified: 01-06-2016**

### Current Regulatory Oversight Table

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

#### ▲ 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	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline 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	Baseline inspection
Millstone 2	Licensee Response Column	Baseline inspection
Millstone 3	Regulatory Response Column  Millstone 3 is in Column 2 because of a White finding in the Mitigating Systems cornerstone originating in 2Q2014 and a greater-than-green finding in the Security Cornerstone originating in 4Q2014.	Baseline inspection  and  IP 95001 supplemental inspection
Nine Mile Point 1	Licensee Response Column	Baseline inspection
Nine Mile Point 2	Licensee Response Column	Baseline inspection
Oyster Creek	Licensee Response Column  As detailed in inspection report 2015007 (ML15112A147) Oyster Creek has a Yellow finding in the Mitigating Systems Cornerstone. This finding was determined to be an old design issue, and in accordance with IMC 0305, is not an input to the Action Matrix with other performance indicators and inspection findings. The finding will remain open until all IP 95002 inspection objectives have been met and verified by inspection.	Baseline inspection
Peach Bottom 2	Licensee Response Column	Baseline inspection
Peach Bottom 3	Licensee Response Column	Baseline inspection
Pilgrim 1	Multiple/Repetitive Degraded Cornerstone Column  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the	Baseline Inspection  and  IP 95003 supplemental inspection

	criteria for a repetitive degraded cornerstone.	
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Regulatory Response Column  Sequoyah Unit 1 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 3Q2015.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
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
Watts Bar 2	Licensee Response Column	

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
	Licensee Response Column	

Braidwood 2		Baseline inspection
Byron 1	Licensee Response Column	Baseline inspection
Byron 2	Licensee Response Column	Baseline inspection
Clinton	Regulatory Response Column Clinton is in column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2015.	Baseline inspection and IP 95001 supplemental 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	Regulatory Response Column Dresden Unit 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 2Q2015.	Baseline inspection and IP 95001 supplemental inspection
Dresden 3	Licensee Response Column	Baseline inspection
Duane Arnold	Licensee Response Column	Baseline inspection
Fermi 2	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	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline inspection
Quad Cities 1	Licensee Response Column	Baseline inspection

Quad Cities 2	Licensee Response Column	Baseline inspection
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▲ **Region IV**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Arkansas Nuclear 1	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	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	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Clinton</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Dresden 2</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Millstone 3</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">River Bend 1</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Sequoyah 1</a>			
<a href="#">Browns Ferry 2</a>				
<a href="#">Browns Ferry 3</a>				
<a href="#">Brunswick 1</a>				
<a href="#">Brunswick 2</a>				
<a href="#">Byron 1</a>				
<a href="#">Byron 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				

[Comanche Peak 2](#)

[Cooper](#)

[D.C. Cook 1](#)

[D.C. Cook 2](#)

[Davis-Besse](#)

[Diablo Canyon 1](#)

[Diablo Canyon 2](#)

[Dresden 3](#)

[Duane Arnold](#)

[Farley 1](#)

[Farley 2](#)

[Fermi 2](#)

[FitzPatrick](#)

[Fort Calhoun](#)

[Ginna](#)

[Grand Gulf 1](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[Indian Point 3](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Monticello](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

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[Quad Cities 1](#)

[Quad Cities 2](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Salem 2](#)

[Seabrook 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](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Watts Bar 2](#)

[Wolf Creek 1](#)

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*Last modification: Jan 06, 2016*

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

**Last Modified: 04-05-2016**

### Current Regulatory Oversight Table

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

#### ▲ 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	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline inspection
Indian Point 2	Licensee Response Column	Baseline inspection

Indian Point 3	Regulatory Response Column  Indian Point Unit 3 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	Baseline inspection  and  IP 95001 supplemental inspection
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	Multiple/Repetitive Degraded Cornerstone Column  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	Baseline Inspection  and  IP 95003 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection

Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Regulatory Response Column  Sequoyah Unit 1 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 3Q2015.	Baseline inspection  and  IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
Vogtle 1	Regulatory Response Column  Vogtle Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection  and  IP 95001 supplemental inspection
Vogtle 2	Regulatory Response Column  Vogtle Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection  and  IP 95001 supplemental inspection
Watts Bar 1	Licensee Response Column	Baseline inspection
Watts Bar 2	Licensee Response Column	

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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 Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2015.	Baseline inspection  and IP 95001 supplemental inspection
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
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Licensee Response Column	Baseline inspection
Palisades	Licensee Response Column	Baseline inspection
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 Unit 2 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	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	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection and IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection and IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	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	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Indian Point 3</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Prairie Island 2</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">River Bend 1</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Sequoyah 1</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Vogtle 1</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Vogtle 2</a>			
<a href="#">Brunswick 1</a>				
<a href="#">Brunswick 2</a>				
<a href="#">Byron 1</a>				
<a href="#">Byron 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				

[D.C. Cook 1](#)

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[Diablo Canyon 1](#)

[Diablo Canyon 2](#)

[Dresden 2](#)

[Dresden 3](#)

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[Farley 1](#)

[Farley 2](#)

[Fermi 2](#)

[FitzPatrick](#)

[Fort Calhoun](#)

[Ginna](#)

[Grand Gulf 1](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[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](#)

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*Last modification: Apr 05, 2016*

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

**Last Modified: 07-07-2016**

### 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	Licensee Response Column	Baseline inspection
Hope Creek 1	Licensee Response Column	Baseline inspection
Indian Point 2	Licensee Response Column	Baseline inspection

Indian Point 3	Regulatory Response Column  Indian Point Unit 3 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	Baseline inspection  and  IP 95001 supplemental inspection
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	Regulatory Response Column  Oyster Creek is in Column 2 because of a white finding in the Mitigating Systems cornerstone originating in 1Q2016.	Baseline inspection  and  IP 95001 supplemental inspection
Peach Bottom 2	Licensee Response Column	Baseline inspection
Peach Bottom 3	Licensee Response Column	Baseline inspection
Pilgrim 1	Multiple/Repetitive Degraded Cornerstone Column  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	Baseline Inspection  and  IP 95003 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	Licensee Response Column	Baseline inspection
Seabrook 1	Licensee Response Column	Baseline inspection

Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

▲ **Region II**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Regulatory Response Column Sequoyah Unit 1 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 3Q2015.	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
Vogtle 1	Regulatory Response Column Vogtle Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Vogtle 2	Regulatory Response Column Vogtle Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response Column	Baseline inspection
Watts Bar 2	Licensee Response Column	

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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 Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2015.	Baseline inspection  and  IP 95001 supplemental inspection
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
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Licensee Response Column	Baseline inspection
Palisades	Licensee Response Column	Baseline inspection
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 Unit 2 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	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	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	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
	Licensee Response Column	

Palo Verde 3		Baseline inspection
River Bend 1	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Indian Point 3</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Oyster Creek</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">River Bend 1</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Sequoyah 1</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Vogtle 1</a>			
<a href="#">Brunswick 1</a>	<a href="#">Vogtle 2</a>			
<a href="#">Brunswick 2</a>				
<a href="#">Byron 1</a>				
<a href="#">Byron 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				

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## Action Matrix



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 listed below reflects overall plant performance and is updated per the [ROP Update Schedule](#).

### RELATED INFORMATION

[ROP Action Matrix Deviations](#)

The Security Cornerstone is an important component of the Reactor Oversight Process which includes various security inspection activities the NRC uses to verify licensee compliance with Commission regulations, ensuring public health and safety. The Commission determined in SRM-SECY-04-0191 titled "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public Disclosure" and dated November 9, 2004, that specific information related to findings and performance indicators associated with the Security Cornerstone will not be publicly available to ensure that security-related information is not provided to a possible adversary. Security inspection report [cover letters](#) will be available on the NRC Web site, however, security-related information regarding the details of the finding(s) associated with the inspection conducted will not be displayed.

For those plants that are in the Regulatory Response Column, Degraded Cornerstone Column, Degraded Performance 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.

See the [Cross Cutting Issues](#) page for more information.

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

### Action Matrix by Column

Licensee Response (Baseline Inspection)	Regulatory Response (Response at Regional Level)	Degraded Cornerstone (Response at Regional Level)	Degraded Performance (Response at Agency Level)	Unacceptable Performance (Response at Agency Level)
Beaver Valley 1	Davis-Besse		Arkansas Nuclear 1	
Beaver Valley 2	Indian Point 3		Arkansas Nuclear 2	
Braidwood 1	Prairie Island 2		Pilgrim 1	
Braidwood 2	River Bend 1			
Browns Ferry 1	Sequoyah 1			
Browns Ferry 2	Vogtle 1			
Browns Ferry 3	Vogtle 2			
Brunswick 1				

Brunswick 2				
Byron 1				
Byron 2				
Callaway				
Calvert Cliffs 1				
Calvert Cliffs 2				
Catawba 1				
Catawba 2				
Clinton				
Columbia Generating Station				
Comanche Peak 1				
Comanche Peak 2				
Cooper				
D.C. Cook 1				
D.C. Cook 2				
Diablo Canyon 1				
Diablo Canyon 2				
Dresden 2				
Dresden 3				
Duane Arnold				
Farley 1				
Farley 2				
Fermi 2				
FitzPatrick				
Fort Calhoun				
Ginna				
Grand Gulf 1				
Harris 1				
Hatch 1				
Hatch 2				
Hope Creek 1				
Indian Point 2				
La Salle 1				
La Salle 2				
Limerick 1				
Limerick 2				
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				
Palisades				
Palo Verde 1				
Palo Verde 2				
Palo Verde 3				
Peach Bottom 2				
Peach Bottom 3				
Perry 1				
Point Beach 1				
Point Beach 2				
Prairie Island 1				
Quad Cities 1				
Quad Cities 2				
Robinson 2				
Saint Lucie 1				
Saint Lucie 2				
Salem 1				
Salem 2				
Seabrook 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				
Waterford 3				
Watts Bar 1				



Watts Bar 2				
Wolf Creek 1				

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#### Action Matrix by Region

##### Region I

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Licensee Response	Baseline inspection
Beaver Valley 2	Licensee Response	Baseline inspection
Calvert Cliffs 1	Licensee Response	Baseline inspection
Calvert Cliffs 2	Licensee Response	Baseline inspection
FitzPatrick	Licensee Response	Baseline inspection
Ginna	Licensee Response	Baseline inspection
Hope Creek 1	Licensee Response	Baseline inspection
Indian Point 2	Licensee Response	Baseline inspection
Indian Point 3	Regulatory Response Indian Point Unit 3 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	Baseline inspection and IP 95001 supplemental inspection
Limerick 1	Licensee Response	Baseline inspection
Limerick 2	Licensee Response	Baseline inspection
Millstone 2	Licensee Response	Baseline inspection
Millstone 3	Licensee Response	Baseline inspection
Nine Mile Point 1	Licensee Response	Baseline inspection
Nine Mile Point 2	Licensee Response	Baseline inspection
Oyster Creek	Licensee Response	Baseline inspection
Peach Bottom 2	Licensee Response	Baseline inspection
Peach Bottom 3	Licensee Response	Baseline inspection
Pilgrim 1	Degraded Performance  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an	Baseline Inspection and IP 95003 supplemental inspection

	additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	
Salem 1	Licensee Response	Baseline inspection
Salem 2	Licensee Response	Baseline inspection
Seabrook 1	Licensee Response	Baseline inspection
Susquehanna 1	Licensee Response	Baseline inspection
Susquehanna 2	Licensee Response	Baseline inspection
Three Mile Island 1	Licensee Response	Baseline inspection

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## Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response	Baseline inspection
Browns Ferry 2	Licensee Response	Baseline inspection
Browns Ferry 3	Licensee Response	Baseline inspection
Brunswick 1	Licensee Response	Baseline inspection
Brunswick 2	Licensee Response	Baseline inspection
Catawba 1	Licensee Response	Baseline inspection
Catawba 2	Licensee Response	Baseline inspection
Farley 1	Licensee Response	Baseline inspection
Farley 2	Licensee Response	Baseline inspection
Harris 1	Licensee Response	Baseline inspection
Hatch 1	Licensee Response	Baseline inspection
Hatch 2	Licensee Response	Baseline inspection
McGuire 1	Licensee Response	Baseline inspection
McGuire 2	Licensee Response	Baseline inspection
North Anna 1	Licensee Response	Baseline inspection
North Anna 2	Licensee Response	Baseline inspection
Oconee 1	Licensee Response	Baseline inspection
Oconee 2	Licensee Response	Baseline inspection

Oconee 3	Licensee Response	Baseline inspection
Robinson 2	Licensee Response	Baseline inspection
Saint Lucie 1	Licensee Response	Baseline inspection
Saint Lucie 2	Licensee Response	Baseline inspection
Sequoyah 1	Regulatory Response Sequoyah Unit 1 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 3Q2015.	Baseline inspection and IP 95001 supplemental inspection
Sequoyah 2	Licensee Response	Baseline inspection
Summer	Licensee Response	Baseline inspection
Surry 1	Licensee Response	Baseline inspection
Surry 2	Licensee Response	Baseline inspection
Turkey Point 3	Licensee Response	Baseline inspection
Turkey Point 4	Licensee Response	Baseline inspection
Vogtle 1	Regulatory Response Vogtle Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Vogtle 2	Regulatory Response Vogtle Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response	Baseline inspection
Watts Bar 2	Licensee Response	

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### Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response	Baseline inspection
Braidwood 2	Licensee Response	Baseline inspection
Byron 1	Licensee Response	Baseline inspection
Byron 2	Licensee Response	Baseline inspection
Clinton	Licensee Response	Baseline inspection
D.C. Cook 1	Licensee Response	Baseline inspection
D.C. Cook 2	Licensee Response	Baseline inspection
	Regulatory Response Davis-Besse is in Column 2 because	Baseline inspection

Davis-Besse	of a greater-than-green finding in the Security Cornerstone originating in 4Q2015.	and IP 95001 supplemental inspection
Dresden 2	Licensee Response	Baseline inspection
Dresden 3	Licensee Response	Baseline inspection
Duane Arnold	Licensee Response	Baseline inspection
Fermi 2	Licensee Response	Baseline inspection
La Salle 1	Licensee Response	Baseline inspection
La Salle 2	Licensee Response	Baseline inspection
Monticello	Licensee Response	Baseline inspection
Palisades	Licensee Response	Baseline inspection
Perry 1	Licensee Response	Baseline inspection
Point Beach 1	Licensee Response	Baseline inspection
Point Beach 2	Licensee Response	Baseline inspection
Prairie Island 1	Licensee Response	Baseline inspection
Prairie Island 2	Regulatory Response  Prairie Island Unit 2 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	Baseline inspection  and IP 95001 supplemental inspection
Quad Cities 1	Licensee Response	Baseline inspection
Quad Cities 2	Licensee Response	Baseline inspection

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#### Region IV

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Arkansas Nuclear 1	Degraded Performance  ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and IP 95003 supplemental inspection
Arkansas Nuclear 2	Degraded Performance  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in	Baseline inspection  and IP 95003 supplemental inspection

	1Q2014.	
Callaway	Licensee Response	Baseline inspection
Columbia Generating Station	Licensee Response	Baseline inspection
Comanche Peak 1	Licensee Response	Baseline inspection
Comanche Peak 2	Licensee Response	Baseline inspection
Cooper	Licensee Response	Baseline inspection
Diablo Canyon 1	Licensee Response	Baseline inspection
Diablo Canyon 2	Licensee Response	Baseline inspection
Fort Calhoun	Licensee Response	Baseline inspection
Grand Gulf 1	Licensee Response	Baseline inspection
Palo Verde 1	Licensee Response	Baseline inspection
Palo Verde 2	Licensee Response	Baseline inspection
Palo Verde 3	Licensee Response	Baseline inspection
River Bend 1	Regulatory Response  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	Baseline inspection and IP 95001 supplemental inspection
South Texas 1	Licensee Response	Baseline inspection
South Texas 2	Licensee Response	Baseline inspection
Waterford 3	Licensee Response	Baseline inspection
Wolf Creek 1	Licensee Response	Baseline inspection

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Current data as of: Jul 01, 2016

*Page Last Reviewed/Updated Wednesday, June 08, 2016*

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

**Last Modified: 09-20-2016**

### 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	Regulatory Response Column	Baseline inspection
	Ginna is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2016.	and IP 95001 supplemental inspection
	Licensee Response Column	

Hope Creek 1		Baseline inspection
Indian Point 2	Licensee Response Column	Baseline inspection
Indian Point 3	Regulatory Response Column Indian Point Unit 3 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	Baseline inspection and IP 95001 supplemental inspection
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	Regulatory Response Column Oyster Creek is in Column 2 because of a white finding in the Mitigating Systems cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Peach Bottom 2	Licensee Response Column	Baseline inspection
Peach Bottom 3	Licensee Response Column	Baseline inspection
Pilgrim 1	Multiple/Repetitive Degraded Cornerstone Column  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	Baseline Inspection and IP 95003 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection



Salem 2	Regulatory Response Column Salem Unit 2 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 2Q2016.	Baseline inspection and IP 95001 supplemental inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline inspection
Saint Lucie 2	Licensee Response Column	Baseline inspection
Sequoyah 1	Regulatory Response Column Sequoyah Unit 1 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 3Q2015.	Baseline inspection and IP 95001 supplemental 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	Licensee Response Column	Baseline inspection
Turkey Point 4	Licensee Response Column	Baseline inspection
Vogtle 1	Regulatory Response Column Vogtle Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Vogtle 2	Regulatory Response Column Vogtle Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response Column	Baseline inspection
Watts Bar 2	Licensee Response Column	

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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 Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 4Q2015.	Baseline inspection  and  IP 95001 supplemental inspection
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
La Salle 1	Licensee Response Column	Baseline inspection
La Salle 2	Licensee Response Column	Baseline inspection
Monticello	Licensee Response Column	Baseline inspection
Palisades	Licensee Response Column	Baseline inspection
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 Unit 2 is in Column 2	Baseline inspection  and

	because of a white Performance Indicator in the Initiating Events Cornerstone originating in 4Q2015.	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	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	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	Regulatory Response Column  River Bend is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2014 and one white performance indicator in the Initiating Events Cornerstone originating in 4Q2014.	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	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Ginna</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Indian Point 3</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">Oyster Creek</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Prairie Island 2</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">River Bend 1</a>			
<a href="#">Browns Ferry 3</a>	<a href="#">Salem 2</a>			
<a href="#">Brunswick 1</a>	<a href="#">Sequoyah 1</a>			
<a href="#">Brunswick 2</a>	<a href="#">Vogtle 1</a>			
<a href="#">Byron 1</a>	<a href="#">Vogtle 2</a>			
<a href="#">Byron 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				

[Catawba 2](#)

[Clinton](#)

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Station](#)

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[Comanche Peak 2](#)

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[D.C. Cook 2](#)

[Diablo Canyon 1](#)

[Diablo Canyon 2](#)

[Dresden 2](#)

[Dresden 3](#)

[Duane Arnold](#)

[Farley 1](#)

[Farley 2](#)

[Fermi 2](#)

[FitzPatrick](#)

[Fort Calhoun](#)

[Grand Gulf 1](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[La Salle 1](#)

[La Salle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[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](#)

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[Palisades](#)

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[Robinson 2](#)

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[Saint Lucie 2](#)

[Salem 1](#)

[Seabrook 1](#)

[Sequoyah 2](#)

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[Susquehanna 2](#)

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[Turkey Point 4](#)

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[Watts Bar 2](#)

[Wolf Creek 1](#)

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*Last modification: Sep 20, 2016*

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

**Last Modified: 01-04-2017**

## 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		



	Regulatory Response Column  Ginna is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2016.	Baseline inspection  and  IP 95001 supplemental inspection
Hope Creek 1	Licensee Response Column	Baseline 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	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	Multiple/Repetitive Degraded Cornerstone Column  Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	Baseline Inspection  and  IP 95003 supplemental inspection
Salem 1	Licensee Response Column	Baseline inspection

Salem 2	Regulatory Response Column  Salem Unit 2 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 2Q2016.	Baseline inspection  and  IP 95001 supplemental inspection
Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
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
Watts Bar 2	Licensee Response Column	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
Braidwood 2		Baseline inspection

	Licensee Response Column	
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 Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 1Q2016.	Baseline inspection  and IP 95001 supplemental inspection
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
LaSalle 1	Licensee Response Column	Baseline inspection
LaSalle 2	Licensee Response Column	Baseline inspection
Monticello	Regulatory Response Column  Monticello is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	Baseline inspection  and IP 95001 supplemental inspection
Palisades	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline 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	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and  IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Regulatory Response Column  Diablo Canyon 2 is in Column 2 because of a white finding in the Mitigating	Baseline inspection  and  IP 95001 supplemental inspection

	Systems Cornerstone originating in 3Q2016.	
Fort Calhoun	Licensee Response Column	Baseline inspection
Grand Gulf 1	Regulatory Response Column Grand Gulf is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2016.	Baseline inspection and IP 95001 supplemental 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
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Licensee Response Column	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

## ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Diablo Canyon 2</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Ginna</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">Grand Gulf 1</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Monticello</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Salem 2</a>			
<a href="#">Browns Ferry 3</a>				
<a href="#">Brunswick 1</a>				
<a href="#">Brunswick 2</a>				
<a href="#">Byron 1</a>				

[Byron 2](#)  
[Callaway](#)  
[Calvert Cliffs 1](#)  
[Calvert Cliffs 2](#)  
[Catawba 1](#)  
[Catawba 2](#)  
[Clinton](#)  
[Columbia Generating  
Station](#)  
[Comanche Peak 1](#)  
[Comanche Peak 2](#)  
[Cooper](#)  
[D.C. Cook 1](#)  
[D.C. Cook 2](#)  
[Diablo Canyon 1](#)  
[Dresden 2](#)  
[Dresden 3](#)  
[Duane Arnold](#)  
[Farley 1](#)  
[Farley 2](#)  
[Fermi 2](#)  
[FitzPatrick](#)  
[Fort Calhoun](#)  
[Harris 1](#)  
[Hatch 1](#)  
[Hatch 2](#)  
[Hope Creek 1](#)  
[Indian Point 2](#)  
[Indian Point 3](#)  
[LaSalle 1](#)  
[LaSalle 2](#)  
[Limerick 1](#)  
[Limerick 2](#)  
[McGuire 1](#)  
[McGuire 2](#)  
[Millstone 2](#)  
[Millstone 3](#)  
[Nine Mile Point 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Seabrook 1](#)

[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](#)

[Vogtle 1](#)

[Vogtle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Watts Bar 2](#)



[Wolf Creek 1](#)

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*Last modification: Jan 04, 2017*

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

**Last Modified: 01-30-2017**

### Current Regulatory Oversight Table

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

#### ▲ 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	Regulatory Response Column	Baseline inspection
	Ginna is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 2Q2016.	and IP 95001 supplemental inspection
	Licensee Response Column	

Hope Creek 1		Baseline 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	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	<p>Multiple/Repetitive Degraded Cornerstone Column</p> <p>Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.</p>	<p>Baseline Inspection</p> <p>and</p> <p>IP 95003 supplemental inspection</p>
Salem 1	Licensee Response Column	Baseline inspection
Salem 2	<p>Regulatory Response Column</p> <p>Salem Unit 2 is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 2Q2016.</p>	<p>Baseline inspection</p> <p>and</p> <p>IP 95001 supplemental inspection</p>

Seabrook 1	Licensee Response Column	Baseline inspection
Susquehanna 1	Licensee Response Column	Baseline inspection
Susquehanna 2	Licensee Response Column	Baseline inspection
Three Mile Island 1	Licensee Response Column	Baseline inspection

## ▲ Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response Column	Baseline inspection
Browns Ferry 2	Licensee Response Column	Baseline inspection
Browns Ferry 3	Licensee Response Column	Baseline inspection
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
Farley 1	Licensee Response Column	Baseline inspection
Farley 2	Licensee Response Column	Baseline inspection
Harris 1	Licensee Response Column	Baseline 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	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	Licensee Response Column	Baseline 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	Licensee Response Column	Baseline inspection
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
Watts Bar 2	Licensee Response Column	Baseline inspection

### ▲ Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response Column	Baseline inspection
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
	Regulatory Response Column	

Davis-Besse	Davis-Besse is in Column 2 because of a white Performance Indicator in the Initiating Events Cornerstone originating in 1Q2016.	Baseline inspection and IP 95001 supplemental inspection
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
LaSalle 1	Licensee Response Column	Baseline inspection
LaSalle 2	Licensee Response Column	Baseline inspection
Monticello	Regulatory Response Column  Monticello is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2016.	Baseline inspection  and IP 95001 supplemental inspection
Palisades	Licensee Response Column	Baseline inspection
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	Licensee Response Column	Baseline 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
	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 1 is in Column 4 because of a	Baseline inspection

Arkansas Nuclear 1	yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	and IP 95003 supplemental inspection
Arkansas Nuclear 2	Multiple/Repetitive Degraded Cornerstone Column  ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	Baseline inspection  and IP 95003 supplemental inspection
Callaway	Licensee Response Column	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	Baseline inspection
Diablo Canyon 1	Licensee Response Column	Baseline inspection
Diablo Canyon 2	Regulatory Response Column  Diablo Canyon 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2016.	Baseline inspection  and IP 95001 supplemental inspection
Grand Gulf 1	Regulatory Response Column  Grand Gulf is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2016.	Baseline inspection  and IP 95001 supplemental 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
South Texas 1	Licensee Response Column	Baseline inspection
South Texas 2	Licensee Response Column	Baseline inspection
Waterford 3	Licensee Response Column	Baseline inspection
Wolf Creek 1	Licensee Response Column	Baseline inspection

### ▲ Action Matrix Summary

Licensee Response Column	Regulatory Response Column	Degraded Cornerstone Column	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance Column
<a href="#">Beaver Valley 1</a>	<a href="#">Davis-Besse</a>		<a href="#">Arkansas Nuclear 1</a>	
<a href="#">Beaver Valley 2</a>	<a href="#">Diablo Canyon 2</a>		<a href="#">Arkansas Nuclear 2</a>	
<a href="#">Braidwood 1</a>	<a href="#">Ginna</a>		<a href="#">Pilgrim 1</a>	
<a href="#">Braidwood 2</a>	<a href="#">Grand Gulf 1</a>			
<a href="#">Browns Ferry 1</a>	<a href="#">Monticello</a>			
<a href="#">Browns Ferry 2</a>	<a href="#">Salem 2</a>			
<a href="#">Browns Ferry 3</a>				
<a href="#">Brunswick 1</a>				
<a href="#">Brunswick 2</a>				
<a href="#">Byron 1</a>				
<a href="#">Byron 2</a>				
<a href="#">Callaway</a>				
<a href="#">Calvert Cliffs 1</a>				
<a href="#">Calvert Cliffs 2</a>				
<a href="#">Catawba 1</a>				
<a href="#">Catawba 2</a>				
<a href="#">Clinton</a>				
<a href="#">Columbia Generating Station</a>				
<a href="#">Comanche Peak 1</a>				
<a href="#">Comanche Peak 2</a>				
<a href="#">Cooper</a>				
<a href="#">D.C. Cook 1</a>				
<a href="#">D.C. Cook 2</a>				
<a href="#">Diablo Canyon 1</a>				
<a href="#">Dresden 2</a>				
<a href="#">Dresden 3</a>				



[Duane Arnold](#)

[Farley 1](#)

[Farley 2](#)

[Fermi 2](#)

[FitzPatrick](#)

[Fort Calhoun](#)

[Harris 1](#)

[Hatch 1](#)

[Hatch 2](#)

[Hope Creek 1](#)

[Indian Point 2](#)

[Indian Point 3](#)

[LaSalle 1](#)

[LaSalle 2](#)

[Limerick 1](#)

[Limerick 2](#)

[McGuire 1](#)

[McGuire 2](#)

[Millstone 2](#)

[Millstone 3](#)

[Nine Mile Point 1](#)

[Nine Mile Point 2](#)

[North Anna 1](#)

[North Anna 2](#)

[Oconee 1](#)

[Oconee 2](#)

[Oconee 3](#)

[Oyster Creek](#)

[Palisades](#)

[Palo Verde 1](#)

[Palo Verde 2](#)

[Palo Verde 3](#)

[Peach Bottom 2](#)

[Peach Bottom 3](#)

[Perry 1](#)

[Point Beach 1](#)

[Point Beach 2](#)

[Prairie Island 1](#)

[Prairie Island 2](#)

[Quad Cities 1](#)

[Quad Cities 2](#)

[River Bend 1](#)

[Robinson 2](#)

[Saint Lucie 1](#)

[Saint Lucie 2](#)

[Salem 1](#)

[Seabrook 1](#)

[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](#)

[Vogle 1](#)

[Vogle 2](#)

[Waterford 3](#)

[Watts Bar 1](#)

[Watts Bar 2](#)

[Wolf Creek 1](#)

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*Last modification: Jan 30, 2017*



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## Action Matrix



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 listed below reflects overall plant performance and is updated per the ROP Update Schedule.

The security cornerstone is an important component of the ROP, which includes various security inspection activities the NRC uses to verify licensee compliance with Commission regulations and thus ensure public health and safety. The Commission determined in the staff requirements memorandum (SRM) for SECY-04-0191, "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public Disclosure," dated November 9, 2004, that specific information related to findings and performance indicators associated with the security cornerstone will not be publicly available to ensure that security-related information is not provided to a possible adversary. Security inspection report cover letters will be available on the NRC Web site; however, security-related information on the details of inspection finding(s) will not be displayed.

For those plants that are in the Regulatory Response Column, Degraded Cornerstone Column, Degraded Performance 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.

See the Cross Cutting Issues page for more information.

### Action Matrix | Region I | Region II | Region III | Region IV

#### Action Matrix by Column

Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance
(Baseline Inspection)	(Response at Regional Level)	(Response at Regional Level)	(Response at Agency Level)	(Response at Agency Level)
Beaver Valley 1	Browns Ferry 1		Arkansas Nuclear 1	
Beaver Valley 2	Browns Ferry 2		Arkansas Nuclear 2	
Braidwood 1	Browns Ferry 3		Pilgrim 1	
Braidwood 2	Columbia Generating Station			
Brunswick 1	Diablo Canyon 2			
Brunswick 2	Dresden 3			

## NRC: Reactor Oversight Process - Action Matrix

Byron 1	Fermi 2
Byron 2	Grand Gulf 1
Callaway	Hope Creek 1
Calvert Cliffs 1	Oyster Creek
Calvert Cliffs 2	Saint Lucie 1
Catawba 1	Salem 2
Catawba 2	South Texas 1
Clinton	South Texas 2
Comanche Peak 1	Vogtle 1
Comanche Peak 2	Vogtle 2
Cooper	
D.C. Cook 1	
D.C. Cook 2	
Davis-Besse	
Diablo Canyon 1	
Dresden 2	
Duane Arnold	
Farley 1	
Farley 2	
FitzPatrick	
Ginna	
Harris 1	
Hatch 1	
Hatch 2	
Indian Point 2	
Indian Point 3	
LaSalle 1	
LaSalle 2	
Limerick 1	
Limerick 2	
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	
Palisades	
Palo Verde 1	
Palo Verde 2	

Palo Verde 3  
Peach Bottom 2  
Peach Bottom 3  
Perry 1  
Point Beach 1  
Point Beach 2  
Prairie Island 1  
Prairie Island 2  
Quad Cities 1  
Quad Cities 2  
River Bend 1  
Robinson 2  
Saint Lucie 2  
Salem 1  
Seabrook 1  
Sequoyah 1  
Sequoyah 2  
Summer  
Surry 1  
Surry 2  
Susquehanna 1  
Susquehanna 2  
Three Mile  
Island 1  
Turkey Point 3  
Turkey Point 4  
Waterford 3  
Watts Bar 1  
Watts Bar 2  
Wolf Creek 1

**Action Matrix | Region I | Region II | Region III | Region IV**

**Action Matrix by Region**  
**Region I**

Reactor Unit		Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Licensee Response		Baseline inspection
Beaver Valley 2	Licensee Response		Baseline inspection
Calvert Cliffs 1	Licensee Response		Baseline inspection
Calvert Cliffs 2	Licensee Response		Baseline inspection
FitzPatrick	Licensee Response		Baseline inspection
Ginna	Licensee Response		Baseline inspection
Hope Creek 1			

	Regulatory Response	Baseline inspection
	Hope Creek is in Column 2 because of a white inspection finding in the Mitigating Systems Cornerstone originating in 3Q2016.	and
		IP 95001 supplemental inspection
Indian Point 2	Licensee Response	Baseline inspection
Indian Point 3	Licensee Response	Baseline inspection
Limerick 1	Licensee Response	Baseline inspection
Limerick 2	Licensee Response	Baseline inspection
Millstone 2	Licensee Response	Baseline inspection
Millstone 3	Licensee Response	Baseline inspection
Nine Mile Point 1	Licensee Response	Baseline inspection
Nine Mile Point 2	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Oyster Creek	Oyster Creek is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and
		IP 95001 supplemental inspection
Peach Bottom 2	Licensee Response	Baseline inspection
Peach Bottom 3	Licensee Response	Baseline inspection
	Multiple/Repetitive Degraded Cornerstone	Baseline Inspection
Pilgrim 1	Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	and
		IP 95003 supplemental inspection
Salem 1	Licensee Response	Baseline inspection
Salem 2	Regulatory Response	Baseline inspection

Salem unit 2 is in Column 2 because of a white performance indicator in the Initiating and Events Cornerstone originating in 2Q2016.

Seabrook 1	Licensee Response	IP 95001 supplemental inspection Baseline inspection
Susquehanna 1	Licensee Response	Baseline inspection
Susquehanna 2	Licensee Response	Baseline inspection
Three Mile Island 1	Licensee Response	Baseline inspection



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**Region II**  
**Reactor Unit**

**Action Matrix Column**

**Current Regulatory Oversight**

	Regulatory Response	Baseline inspection
Browns Ferry 1	Browns Ferry Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	and IP 95001 supplemental inspection Baseline inspection
Browns Ferry 2	Regulatory Response Browns Ferry Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	and IP 95001 supplemental inspection Baseline inspection
Browns Ferry 3	Regulatory Response Browns Ferry Unit 3 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	and IP 95001 supplemental inspection
Brunswick 1	Licensee Response	Baseline inspection
Brunswick 2	Licensee Response	Baseline inspection
Catawba 1	Licensee Response	Baseline inspection
Catawba 2	Licensee Response	Baseline inspection
Farley 1	Licensee Response	Baseline inspection
Farley 2	Licensee Response	Baseline inspection
Harris 1	Licensee Response	Baseline inspection

**NRC: Reactor Oversight Process - Action Matrix**

Hatch 1	Licensee Response	Baseline inspection
Hatch 2	Licensee Response	Baseline inspection
McGuire 1	Licensee Response	Baseline inspection
McGuire 2	Licensee Response	Baseline inspection
North Anna 1	Licensee Response	Baseline inspection
North Anna 2	Licensee Response	Baseline inspection
Oconee 1	Licensee Response	Baseline inspection
Oconee 2	Licensee Response	Baseline inspection
Oconee 3	Licensee Response	Baseline inspection
Robinson 2	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Saint Lucie 1	Saint Lucie unit 1 is in Column 2 because of a white inspection finding in the Initiating Events Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection
Saint Lucie 2	Licensee Response	Baseline inspection
Sequoyah 1	Licensee Response	Baseline inspection
Sequoyah 2	Licensee Response	Baseline inspection
Summer	Licensee Response	Baseline inspection
Surry 1	Licensee Response	Baseline inspection
Surry 2	Licensee Response	Baseline inspection
Turkey Point 3	Licensee Response	Baseline inspection
Turkey Point 4	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Vogtle 1	Vogtle unit 1 is in Column 2 because of a white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection
	Regulatory Response	Baseline inspection
Vogtle 2	Vogtle unit 2 is in Column 2 because of a white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response	Baseline inspection
Watts Bar 2		Baseline inspection



Licensee Response



**Region III**

<b>Reactor Unit</b>	<b>Action Matrix Column</b>	<b>Current Regulatory Oversight</b>
Braidwood 1	Licensee Response	Baseline inspection
Braidwood 2	Licensee Response	Baseline inspection
Byron 1	Licensee Response	Baseline inspection
Byron 2	Licensee Response	Baseline inspection
Clinton	Licensee Response	Baseline inspection
D.C. Cook 1	Licensee Response	Baseline inspection
D.C. Cook 2	Licensee Response	Baseline inspection
Davis-Besse	Licensee Response	Baseline inspection
Dresden 2	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Dresden 3	Dresden 3 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection
Duane Arnold	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Fermi 2	Fermi is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 1Q2017.	and IP 95001 supplemental inspection
LaSalle 1	Licensee Response	Baseline inspection
LaSalle 2	Licensee Response	Baseline inspection
Monticello	Licensee Response	Baseline inspection
Palisades	Licensee Response	Baseline inspection
Perry 1	Licensee Response	Baseline inspection
Point Beach 1	Licensee Response	Baseline inspection
Point Beach 2	Licensee Response	Baseline inspection

Prairie Island Licensee Response 1	Baseline inspection
Prairie Island Licensee Response 2	Baseline inspection
Quad Cities 1 Licensee Response	Baseline inspection
Quad Cities 2 Licensee Response	Baseline inspection

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**Region IV**

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
	Multiple/Repetitive Degraded Cornerstone	Baseline inspection
Arkansas Nuclear 1	ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	and IP 95003 supplemental inspection
	Multiple/Repetitive Degraded Cornerstone	Baseline inspection
Arkansas Nuclear 2	ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014. ANO 2 also had a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and IP 95003 supplemental inspection
Callaway	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Columbia Generating Station	Columbia is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 1Q2017.	and IP 95001 supplemental inspection
Comanche Peak 1	Licensee Response	Baseline inspection
Comanche Peak 2	Licensee Response	Baseline inspection
Cooper	Licensee Response	Baseline inspection
Diablo Canyon 1	Licensee Response	Baseline inspection
Diablo Canyon 2	Regulatory Response	Baseline inspection

	Diablo Canyon 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2016.	and IP 95001 supplemental inspection Baseline inspection
	Regulatory Response	
Grand Gulf 1	Grand Gulf is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2016.	and IP 95001 supplemental inspection Baseline inspection
Palo Verde 1	Licensee Response	Baseline inspection
Palo Verde 2	Licensee Response	Baseline inspection
Palo Verde 3	Licensee Response	Baseline inspection
River Bend 1	Licensee Response	Baseline inspection Baseline inspection
	Regulatory Response	
South Texas 1	South Texas Project 1 is in Column 2 because of a greater-than-green inspection finding in the Security Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection Baseline inspection
	Regulatory Response	
South Texas 2	South Texas Project 2 is in Column 2 because of a greater-than-green inspection finding in the Security Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection Baseline inspection
Waterford 3	Licensee Response	Baseline inspection
Wolf Creek 1	Licensee Response	Baseline inspection



Current data as of: Aug 02, 2017

*Page Last Reviewed/Updated Thursday, February 09, 2017*



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## Action Matrix



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 listed below reflects overall plant performance and is updated per the ROP Update Schedule.

The security cornerstone is an important component of the ROP, which includes various security inspection activities the NRC uses to verify licensee compliance with Commission regulations and thus ensure public health and safety. The Commission determined in the staff requirements memorandum (SRM) for SECY-04-0191, "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public Disclosure," dated November 9, 2004, that specific information related to findings and performance indicators associated with the security cornerstone will not be publicly available to ensure that security-related information is not provided to a possible adversary. Security inspection report cover letters will be available on the NRC Web site; however, security-related information on the details of inspection finding(s) will not be displayed.

For those plants that are in the Regulatory Response Column, Degraded Cornerstone Column, Degraded Performance 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.

See the Cross Cutting Issues page for more information.

### Action Matrix | Region I | Region II | Region III | Region IV

#### Action Matrix by Column

Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance
(Baseline Inspection)	(Response at Regional Level)	(Response at Regional Level)	(Response at Agency Level)	(Response at Agency Level)
Beaver Valley 1	Browns Ferry 1		Arkansas Nuclear 1	
Beaver Valley 2	Browns Ferry 2		Arkansas Nuclear 2	
Braidwood 1	Browns Ferry 3		Pilgrim 1	
Braidwood 2	Columbia			
	Generating Station			
Brunswick 1	Diablo Canyon 2			
Brunswick 2	Fermi 2			

Byron 1	Grand Gulf 1
Byron 2	Oyster Creek
Callaway	Perry 1
Calvert Cliffs 1	Salem 2
Calvert Cliffs 2	South Texas 1
Catawba 1	South Texas 2
Catawba 2	Vogtle 1
Clinton	Vogtle 2
Comanche Peak 1	
Comanche Peak 2	
Cooper	
D.C. Cook 1	
D.C. Cook 2	
Davis-Besse	
Diablo Canyon 1	
Dresden 2	
Dresden 3	
Duane Arnold	
Farley 1	
Farley 2	
FitzPatrick	
Ginna	
Harris 1	
Hatch 1	
Hatch 2	
Hope Creek 1	
Indian Point 2	
Indian Point 3	
LaSalle 1	
LaSalle 2	
Limerick 1	
Limerick 2	
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	
Palisades	

Palo Verde 1  
 Palo Verde 2  
 Palo Verde 3  
 Peach Bottom 2  
 Peach Bottom 3  
 Point Beach 1  
 Point Beach 2  
 Prairie Island 1  
 Prairie Island 2  
 Quad Cities 1  
 Quad Cities 2  
 River Bend 1  
 Robinson 2  
 Saint Lucie 1  
 Saint Lucie 2  
 Salem 1  
 Seabrook 1  
 Sequoyah 1  
 Sequoyah 2  
 Summer  
 Surry 1  
 Surry 2  
 Susquehanna 1  
 Susquehanna 2  
 Three Mile  
 Island 1  
 Turkey Point 3  
 Turkey Point 4  
 Waterford 3  
 Watts Bar 1  
 Watts Bar 2  
 Wolf Creek 1

### **Action Matrix | Region I | Region II | Region III | Region IV**

#### **Action Matrix by Region**

##### **Region I**

<b>Reactor Unit</b>	<b>Action Matrix Column</b>	<b>Current Regulatory Oversight</b>
Beaver Valley 1	Licensee Response	Baseline inspection
Beaver Valley 2	Licensee Response	Baseline inspection
Calvert Cliffs 1	Licensee Response	Baseline inspection
Calvert Cliffs 2	Licensee Response	Baseline inspection
FitzPatrick	Licensee Response	Baseline inspection
Ginna		

	Licensee Response	Baseline inspection
Hope Creek 1	Licensee Response	Baseline inspection
Indian Point 2	Licensee Response	Baseline inspection
Indian Point 3	Licensee Response	Baseline inspection
Limerick 1	Licensee Response	Baseline inspection
Limerick 2	Licensee Response	Baseline inspection
Millstone 2	Licensee Response	Baseline inspection
Millstone 3	Licensee Response	Baseline inspection
Nine Mile Point 1	Licensee Response	Baseline inspection
Nine Mile Point 2	Licensee Response	Baseline inspection
	Regulatory Response	
Oyster Creek	Oyster Creek is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection
Peach Bottom 2	Licensee Response	Baseline inspection
Peach Bottom 3	Licensee Response	Baseline inspection
	Multiple/Repetitive Degraded Cornerstone	Baseline Inspection
Pilgrim 1	Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	and IP 95003 supplemental inspection
Salem 1	Licensee Response	Baseline inspection
Salem 2	Regulatory Response	Baseline inspection
	Salem unit 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 2Q2016.	and IP 95001

Seabrook 1	Licensee Response	supplemental inspection Baseline inspection
Susquehanna 1	Licensee Response	Baseline inspection
Susquehanna 2	Licensee Response	Baseline inspection
Three Mile Island 1	Licensee Response	Baseline inspection

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## Region II

### Reactor Unit

### Action Matrix Column

### Current Regulatory Oversight

Browns Ferry 1	Regulatory Response Browns Ferry Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	Baseline inspection and IP 95001 supplemental inspection Baseline inspection
Browns Ferry 2	Regulatory Response Browns Ferry Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	Baseline inspection and IP 95001 supplemental inspection Baseline inspection
Browns Ferry 3	Regulatory Response Browns Ferry Unit 3 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	Baseline inspection and IP 95001 supplemental inspection
Brunswick 1	Licensee Response	Baseline inspection
Brunswick 2	Licensee Response	Baseline inspection
Catawba 1	Licensee Response	Baseline inspection
Catawba 2	Licensee Response	Baseline inspection
Farley 1	Licensee Response	Baseline inspection
Farley 2	Licensee Response	Baseline inspection
Harris 1	Licensee Response	Baseline inspection
Hatch 1	Licensee Response	Baseline inspection
Hatch 2	Licensee Response	Baseline inspection
McGuire 1	Licensee Response	Baseline inspection



McGuire 2	Licensee Response	Baseline inspection
North Anna 1	Licensee Response	Baseline inspection
North Anna 2	Licensee Response	Baseline inspection
Oconee 1	Licensee Response	Baseline inspection
Oconee 2	Licensee Response	Baseline inspection
Oconee 3	Licensee Response	Baseline inspection
Robinson 2	Licensee Response	Baseline inspection
Saint Lucie 1	Licensee Response	Baseline inspection
Saint Lucie 2	Licensee Response	Baseline inspection
Sequoyah 1	Licensee Response	Baseline inspection
Sequoyah 2	Licensee Response	Baseline inspection
Summer	Licensee Response	Baseline inspection
Surry 1	Licensee Response	Baseline inspection
Surry 2	Licensee Response	Baseline inspection
Turkey Point 3	Licensee Response	Baseline inspection
Turkey Point 4	Licensee Response	Baseline inspection
	Regulatory Response	
Vogtle 1	Vogtle unit 1 is in Column 2 because of a white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection Baseline inspection
	Regulatory Response	
Vogtle 2	Vogtle unit 2 is in Column 2 because of a white inspection finding in the Emergency Preparedness Cornerstone originating in 4Q2016.	and IP 95001 supplemental inspection
Watts Bar 1	Licensee Response	Baseline inspection
Watts Bar 2	Licensee Response	Baseline inspection

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Region III Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response	Baseline inspection

Braidwood 2	Licensee Response	Baseline inspection
Byron 1	Licensee Response	Baseline inspection
Byron 2	Licensee Response	Baseline inspection
Clinton	Licensee Response	Baseline inspection
D.C. Cook 1	Licensee Response	Baseline inspection
D.C. Cook 2	Licensee Response	Baseline inspection
Davis-Besse	Licensee Response	Baseline inspection
Dresden 2	Licensee Response	Baseline inspection
Dresden 3	Licensee Response	Baseline inspection
Duane Arnold	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Fermi 2	Fermi is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 1Q2017.	and IP 95001 supplemental inspection
LaSalle 1	Licensee Response	Baseline inspection
LaSalle 2	Licensee Response	Baseline inspection
Monticello	Licensee Response	Baseline inspection
Palisades	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Perry 1	Perry is in Column 2 because of a white finding in the mitigating systems cornerstone originating in 2Q2017.	and IP 95001 supplemental inspection
Point Beach 1	Licensee Response	Baseline inspection
Point Beach 2	Licensee Response	Baseline inspection
Prairie Island 1	Licensee Response	Baseline inspection
Prairie Island 2	Licensee Response	Baseline inspection
Quad Cities 1	Licensee Response	Baseline inspection
Quad Cities 2	Licensee Response	Baseline inspection



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**Region IV**

<b>Reactor Unit</b>	<b>Action Matrix Column</b>	<b>Current Regulatory Oversight</b>
	Multiple/Repetitive Degraded Cornerstone	Baseline inspection
Arkansas Nuclear 1	ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	and IP 95003 supplemental inspection
	Multiple/Repetitive Degraded Cornerstone	Baseline inspection
Arkansas Nuclear 2	ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014. ANO 2 also had a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and IP 95003 supplemental inspection
Callaway	Licensee Response	Baseline inspection Baseline inspection
Columbia Generating Station	Regulatory Response Columbia is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 1Q2017.	and IP 95001 supplemental inspection
Comanche Peak 1	Licensee Response	Baseline inspection
Comanche Peak 2	Licensee Response	Baseline inspection
Cooper	Licensee Response	Baseline inspection
Diablo Canyon 1	Licensee Response	Baseline inspection Baseline inspection
Diablo Canyon 2	Regulatory Response Diablo Canyon 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2016.	and IP 95001 supplemental inspection
Grand Gulf 1	Regulatory Response	Baseline inspection

	Grand Gulf is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2016.	and
		IP 95001 supplemental inspection
Palo Verde 1	Licensee Response	Baseline inspection
Palo Verde 2	Licensee Response	Baseline inspection
Palo Verde 3	Licensee Response	Baseline inspection
River Bend 1	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
South Texas 1	South Texas Project 1 is in Column 2 because of a greater-than-green inspection finding in the Security Cornerstone originating in 4Q2016.	and
		IP 95001 supplemental inspection
	Regulatory Response	Baseline inspection
South Texas 2	South Texas Project 2 is in Column 2 because of a greater-than-green inspection finding in the Security Cornerstone originating in 4Q2016.	and
		IP 95001 supplemental inspection
Waterford 3	Licensee Response	Baseline inspection
Wolf Creek 1	Licensee Response	Baseline inspection



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Current data as of: Oct 13, 2017

*Page Last Reviewed/Updated Wednesday, August 09, 2017*



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## Action Matrix



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The security cornerstone is an important component of the ROP, which includes various security inspection activities the NRC uses to verify licensee compliance with Commission regulations and thus ensure public health and safety. The Commission determined in the staff requirements memorandum (SRM) for SECY-04-0191, "Withholding Sensitive Unclassified Information Concerning Nuclear Power Reactors from Public Disclosure," dated November 9, 2004, that specific information related to findings and performance indicators associated with the security cornerstone will not be publicly available to ensure that security-related information is not provided to a possible adversary. Security inspection report cover letters will be available on the NRC Web site; however, security-related information on the details of inspection finding(s) will not be displayed.

For those plants that are in the Regulatory Response Column, Degraded Cornerstone Column, Degraded Performance 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.

See the Cross Cutting Issues page for more information.

### Action Matrix | Region I | Region II | Region III | Region IV

#### Action Matrix by Column

Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance
(Baseline Inspection)	(Response at Regional Level)	(Response at Regional Level)	(Response at Agency Level)	(Response at Agency Level)
Beaver Valley 1	Browns Ferry 1		Arkansas Nuclear 1	
Beaver Valley 2	Browns Ferry 2		Arkansas Nuclear 2	
Braidwood 1	Browns Ferry 3		Pilgrim 1	
Braidwood 2	Catawba 2			
Brunswick 1	Clinton			
Brunswick 2	Columbia			
	Generating Station			

Byron 1	Diablo Canyon 2
Byron 2	Grand Gulf 1
Callaway	Perry 1
Calvert Cliffs 1	Sequoyah 1
Calvert Cliffs 2	Sequoyah 2
Catawba 1	Wolf Creek 1
Comanche Peak 1	
Comanche Peak 2	
Cooper	
D.C. Cook 1	
D.C. Cook 2	
Davis-Besse	
Diablo Canyon 1	
Dresden 2	
Dresden 3	
Duane Arnold	
Farley 1	
Farley 2	
Fermi 2	
FitzPatrick	
Ginna	
Harris 1	
Hatch 1	
Hatch 2	
Hope Creek 1	
Indian Point 2	
Indian Point 3	
LaSalle 1	
LaSalle 2	
Limerick 1	
Limerick 2	
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	
Palisades	

- Palo Verde 1
- Palo Verde 2
- Palo Verde 3
- Peach Bottom 2
- Peach Bottom 3
- Point Beach 1
- Point Beach 2
- Prairie Island 1
- Prairie Island 2
- Quad Cities 1
- Quad Cities 2
- River Bend 1
- Robinson 2
- Saint Lucie 1
- Saint Lucie 2
- Salem 1
- Salem 2
- Seabrook 1
- 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
- Vogtle 1
- Vogtle 2
- Waterford 3
- Watts Bar 1
- Watts Bar 2

**Action Matrix | Region I | Region II | Region III | Region IV**

**Action Matrix by Region**

**Region I**

Reactor Unit		Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Licensee Response		Baseline inspection
Beaver Valley 2	Licensee Response		Baseline inspection
Calvert Cliffs 1	Licensee Response		Baseline inspection
Calvert Cliffs 2	Licensee Response		Baseline inspection
FitzPatrick			

	Licensee Response	Baseline inspection
Ginna	Licensee Response	Baseline inspection
Hope Creek 1	Licensee Response	Baseline inspection
Indian Point 2	Licensee Response	Baseline inspection
Indian Point 3	Licensee Response	Baseline inspection
Limerick 1	Licensee Response	Baseline inspection
Limerick 2	Licensee Response	Baseline inspection
Millstone 2	Licensee Response	Baseline inspection
Millstone 3	Licensee Response	Baseline inspection
Nine Mile Point 1	Licensee Response	Baseline inspection
Nine Mile Point 2	Licensee Response	Baseline inspection
Oyster Creek	Licensee Response	Baseline inspection
Peach Bottom 2	Licensee Response	Baseline inspection
Peach Bottom 3	Licensee Response	Baseline inspection
	Multiple/Repetitive Degraded Cornerstone	Baseline Inspection
Pilgrim 1	Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone.	and IP 95003 supplemental inspection
Salem 1	Licensee Response	Baseline inspection
Salem 2	Licensee Response	Baseline inspection
Seabrook 1	Licensee Response	Baseline inspection
Susquehanna 1	Licensee Response	Baseline inspection
Susquehanna 2	Licensee Response	Baseline inspection
Three Mile Island 1	Licensee Response	Baseline inspection



<b>Region II Reactor Unit</b>	<b>Action Matrix Column</b>	<b>Current Regulatory Oversight</b>
		Baseline inspection
Browns Ferry 1	Regulatory Response  Browns Ferry Unit 1 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	and  IP 95001 supplemental inspection Baseline inspection
Browns Ferry 2	Regulatory Response  Browns Ferry Unit 2 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	and  IP 95001 supplemental inspection Baseline inspection
Browns Ferry 3	Regulatory Response  Browns Ferry Unit 3 is in Column 2 because of a greater-than-green finding in the Security Cornerstone originating in 2Q2017.	and  IP 95001 supplemental inspection
Brunswick 1	Licensee Response	Baseline inspection
Brunswick 2	Licensee Response	Baseline inspection
Catawba 1	Licensee Response	Baseline inspection Baseline inspection
Catawba 2	Regulatory Response  Catawba Unit 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2017.	and  IP 95001 supplemental inspection
Farley 1	Licensee Response	Baseline inspection
Farley 2	Licensee Response	Baseline inspection
Harris 1	Licensee Response	Baseline inspection
Hatch 1	Licensee Response	Baseline inspection
Hatch 2	Licensee Response	Baseline inspection
McGuire 1	Licensee Response	Baseline inspection
McGuire 2	Licensee Response	Baseline inspection
North Anna 1	Licensee Response	Baseline inspection
North Anna 2	Licensee Response	Baseline inspection
Oconee 1	Licensee Response	Baseline inspection

Oconee 2	Licensee Response	Baseline inspection
Oconee 3	Licensee Response	Baseline inspection
Robinson 2	Licensee Response	Baseline inspection
Saint Lucie 1	Licensee Response	Baseline inspection
Saint Lucie 2	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Sequoyah 1	Sequoyah Unit 1 is in Column 2 because of one or more Greater-than-Green findings in the Security Cornerstone originating in 3Q2017.	and IP 95001 supplemental inspection Baseline inspection
	Regulatory Response	
Sequoyah 2	Sequoyah Unit 2 is in Column 2 because of one or more Greater-than-Green findings in the Security Cornerstone originating in 3Q2017.	and IP 95001 supplemental inspection
Summer	Licensee Response	Baseline inspection
Surry 1	Licensee Response	Baseline inspection
Surry 2	Licensee Response	Baseline inspection
Turkey Point 3	Licensee Response	Baseline inspection
Turkey Point 4	Licensee Response	Baseline inspection
Vogtle 1	Licensee Response	Baseline inspection
Vogtle 2	Licensee Response	Baseline inspection
Watts Bar 1	Licensee Response	Baseline inspection
Watts Bar 2	Licensee Response	Baseline inspection



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### Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response	Baseline inspection
Braidwood 2	Licensee Response	Baseline inspection
Byron 1	Licensee Response	Baseline inspection
Byron 2	Licensee Response	Baseline inspection
Clinton	Regulatory Response	Baseline inspection

	Clinton is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2017.	and IP 95001 supplemental inspection
D.C. Cook 1	Licensee Response	Baseline inspection
D.C. Cook 2	Licensee Response	Baseline inspection
Davis-Besse	Licensee Response	Baseline inspection
Dresden 2	Licensee Response	Baseline inspection
Dresden 3	Licensee Response	Baseline inspection
Duane Arnold	Licensee Response	Baseline inspection
Fermi 2	Licensee Response	Baseline inspection
LaSalle 1	Licensee Response	Baseline inspection
LaSalle 2	Licensee Response	Baseline inspection
Monticello	Licensee Response	Baseline inspection
Palisades	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Perry 1	Perry is in Column 2 because of a white finding in the mitigating systems cornerstone originating in 2Q2017.	and IP 95001 supplemental inspection
Point Beach 1	Licensee Response	Baseline inspection
Point Beach 2	Licensee Response	Baseline inspection
Prairie Island 1	Licensee Response	Baseline inspection
Prairie Island 2	Licensee Response	Baseline inspection
Quad Cities 1	Licensee Response	Baseline inspection
Quad Cities 2	Licensee Response	Baseline inspection



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## Region IV

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Arkansas Nuclear 1	Multiple/Repetitive Degraded Cornerstone ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events	Baseline inspection

	Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	and IP 95003 supplemental inspection Baseline inspection
	Multiple/Repetitive Degraded Cornerstone	
Arkansas Nuclear 2	ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014. ANO 2 also had a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and IP 95003 supplemental inspection Baseline inspection Baseline inspection
Callaway	Licensee Response	
	Regulatory Response	
Columbia Generating Station	Columbia is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 1Q2017 and a white performance indicator for Unplanned Scrams with Complications originating in 4Q2016.	and IP 95001 supplemental inspection Baseline inspection Baseline inspection Baseline inspection
Comanche Peak 1	Licensee Response	
Comanche Peak 2	Licensee Response	
Cooper	Licensee Response	
Diablo Canyon 1	Licensee Response	
	Regulatory Response	
Diablo Canyon 2	Diablo Canyon 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2016.	and IP 95001 supplemental inspection Baseline inspection
	Regulatory Response	
Grand Gulf 1	Grand Gulf is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2016.	and IP 95001 supplemental inspection Baseline inspection
Palo Verde 1	Licensee Response	

Palo Verde 2	Licensee Response	Baseline inspection
Palo Verde 3	Licensee Response	Baseline inspection
River Bend 1	Licensee Response	Baseline inspection
South Texas 1	Licensee Response	Baseline inspection
South Texas 2	Licensee Response	Baseline inspection
Waterford 3	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Wolf Creek 1	Wolf Creek is in Column 2 because of one or more Greater-than-Green findings in the Security Cornerstone originating in 4Q2017.	and IP 95001 supplemental inspection



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Current data as of: Jan 09, 2018

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## Action Matrix



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### Action Matrix | Region I | Region II | Region III | Region IV

#### Action Matrix by Column

Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone Column	Unacceptable Performance
(Baseline Inspection)	(Response at Regional Level)	(Response at Regional Level)	(Response at Agency Level)	(Response at Agency Level)
Beaver Valley 1	Catawba 2		Arkansas Nuclear 1	
Beaver Valley 2	Clinton		Arkansas Nuclear 2	
Braidwood 1	Columbia		Pilgrim 1	
Braidwood 2	Generating Station			
Browns Ferry 1	Grand Gulf 1			
	Perry 1			

Browns Ferry 2 Sequoyah 1  
Browns Ferry 3 Sequoyah 2  
Brunswick 1 Watts Bar 2  
Brunswick 2 Wolf Creek 1  
Byron 1  
Byron 2  
Callaway  
Calvert Cliffs 1  
Calvert Cliffs 2  
Catawba 1  
Comanche Peak  
1  
Comanche Peak  
2  
Cooper  
D.C. Cook 1  
D.C. Cook 2  
Davis-Besse  
Diablo Canyon 1  
Diablo Canyon 2  
Dresden 2  
Dresden 3  
Duane Arnold  
Farley 1  
Farley 2  
Fermi 2  
FitzPatrick  
Ginna  
Harris 1  
Hatch 1  
Hatch 2  
Hope Creek 1  
Indian Point 2  
Indian Point 3  
LaSalle 1  
LaSalle 2  
Limerick 1  
Limerick 2  
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  
 Palisades  
 Palo Verde 1  
 Palo Verde 2  
 Palo Verde 3  
 Peach Bottom 2  
 Peach Bottom 3  
 Point Beach 1  
 Point Beach 2  
 Prairie Island 1  
 Prairie Island 2  
 Quad Cities 1  
 Quad Cities 2  
 River Bend 1  
 Robinson 2  
 Saint Lucie 1  
 Saint Lucie 2  
 Salem 1  
 Salem 2  
 Seabrook 1  
 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  
 Vogtle 1  
 Vogtle 2  
 Waterford 3  
 Watts Bar 1

**Action Matrix | Region I | Region II | Region III | Region IV**

**Action Matrix by Region**

**Region I**

Reactor Unit		Action Matrix Column	Current Regulatory Oversight
Beaver Valley 1	Licensee Response		Baseline inspection
Beaver Valley 2	Licensee Response		Baseline inspection



Calvert Cliffs Licensee Response 1	Baseline inspection
Calvert Cliffs Licensee Response 2	Baseline inspection
FitzPatrick Licensee Response	Baseline inspection
Ginna Licensee Response	Baseline inspection
Hope Creek 1 Licensee Response	Baseline inspection
Indian Point 2 Licensee Response	Baseline inspection
Indian Point 3 Licensee Response	Baseline inspection
Limerick 1 Licensee Response	Baseline inspection
Limerick 2 Licensee Response	Baseline inspection
Millstone 2 Licensee Response	Baseline inspection
Millstone 3 Licensee Response	Baseline inspection
Nine Mile Point 1 Licensee Response	Baseline inspection
Nine Mile Point 2 Licensee Response	Baseline inspection
Oyster Creek Licensee Response	Baseline inspection
Peach Bottom 2 Licensee Response	Baseline inspection
Peach Bottom 3 Licensee Response	Baseline inspection
Multiple/Repetitive Degraded Cornerstone	
Pilgrim 1	Pilgrim is in Column 4 because of one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 3Q2013, one parallel white inspection finding for a white performance indicator in the Initiating Events Cornerstone originating in 4Q2013, and an additional white inspection finding in the Mitigating Systems Cornerstone originating in 1Q2015, resulting in Pilgrim meeting the criteria for a repetitive degraded cornerstone. IP 95003 supplemental inspection
Salem 1	Licensee Response
Salem 2	Licensee Response
Seabrook 1	Licensee Response
Susquehanna 1	Licensee Response
	Baseline inspection

Susquehanna 2  
 Licensee Response

Three Mile Island 1  
 Licensee Response

Baseline  
 inspection

Baseline  
 inspection

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## Region II

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Browns Ferry 1	Licensee Response	Baseline inspection
Browns Ferry 2	Licensee Response	Baseline inspection
Browns Ferry 3	Licensee Response	Baseline inspection
Brunswick 1	Licensee Response	Baseline inspection
Brunswick 2	Licensee Response	Baseline inspection
Catawba 1	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Catawba 2	Catawba Unit 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2017.	and IP 95001 supplemental inspection
Farley 1	Licensee Response	Baseline inspection
Farley 2	Licensee Response	Baseline inspection
Harris 1	Licensee Response	Baseline inspection
Hatch 1	Licensee Response	Baseline inspection
Hatch 2	Licensee Response	Baseline inspection
McGuire 1	Licensee Response	Baseline inspection
McGuire 2	Licensee Response	Baseline inspection
North Anna 1	Licensee Response	Baseline inspection
North Anna 2	Licensee Response	Baseline inspection
Oconee 1	Licensee Response	Baseline inspection
Oconee 2	Licensee Response	Baseline inspection
Oconee 3	Licensee Response	Baseline inspection
Robinson 2	Licensee Response	Baseline inspection

Saint Lucie 1	Licensee Response	Baseline inspection
Saint Lucie 2	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Sequoyah 1	Sequoyah Unit 1 is in Column 2 because of one or more Greater-than-Green findings in the Security Cornerstone originating in 3Q2017.	and IP 95001 supplemental inspection Baseline inspection
	Regulatory Response	
Sequoyah 2	Sequoyah Unit 2 is in Column 2 because of one or more Greater-than-Green findings in the Security Cornerstone originating in 3Q2017.	and IP 95001 supplemental inspection
Summer	Licensee Response	Baseline inspection
Surry 1	Licensee Response	Baseline inspection
Surry 2	Licensee Response	Baseline inspection
Turkey Point 3	Licensee Response	Baseline inspection
Turkey Point 4	Licensee Response	Baseline inspection
Vogtle 1	Licensee Response	Baseline inspection
Vogtle 2	Licensee Response	Baseline inspection
Watts Bar 1	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Watts Bar 2	Watts Bar 2 is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 4Q2017.	and IP 95001 supplemental inspection



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### Region III

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Braidwood 1	Licensee Response	Baseline inspection
Braidwood 2	Licensee Response	Baseline inspection
Byron 1	Licensee Response	Baseline inspection
Byron 2	Licensee Response	Baseline inspection
Clinton	Regulatory Response	Baseline inspection
	Clinton is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 3Q2017.	and

D.C. Cook 1	Licensee Response	IP 95001 supplemental inspection
D.C. Cook 2	Licensee Response	Baseline inspection
Davis-Besse	Licensee Response	Baseline inspection
Dresden 2	Licensee Response	Baseline inspection
Dresden 3	Licensee Response	Baseline inspection
Duane Arnold	Licensee Response	Baseline inspection
Fermi 2	Licensee Response	Baseline inspection
LaSalle 1	Licensee Response	Baseline inspection
LaSalle 2	Licensee Response	Baseline inspection
Monticello	Licensee Response	Baseline inspection
Palisades	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Perry 1	Perry is in Column 2 because of a white finding in the mitigating systems cornerstone originating in 2Q2017.	and IP 95001 supplemental inspection
Point Beach 1	Licensee Response	Baseline inspection
Point Beach 2	Licensee Response	Baseline inspection
Prairie Island 1	Licensee Response	Baseline inspection
Prairie Island 2	Licensee Response	Baseline inspection
Quad Cities 1	Licensee Response	Baseline inspection
Quad Cities 2	Licensee Response	Baseline inspection

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## Region IV

Reactor Unit	Action Matrix Column	Current Regulatory Oversight
Arkansas Nuclear 1	Multiple/Repetitive Degraded Cornerstone	Baseline inspection
	ANO Unit 1 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems	and

	Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014.	IP 95003 supplemental inspection Baseline inspection
	Multiple/Repetitive Degraded Cornerstone	
Arkansas Nuclear 2	ANO Unit 2 is in Column 4 because of a yellow finding in the Initiating Events Cornerstone originating in 1Q2014, a yellow finding in the Mitigating Systems Cornerstone originating in 3Q2014, and a greater-than-green finding in the Security Cornerstone originating in 1Q2014. ANO 2 also had a white finding in the Mitigating Systems Cornerstone originating in 4Q2016.	and IP 95003 supplemental inspection Baseline inspection Baseline inspection
Callaway	Licensee Response	
	Regulatory Response	
Columbia Generating Station	Columbia is in Column 2 because of a white finding in the Public Radiation Safety Cornerstone originating in 1Q2017 and a white performance indicator for Unplanned Scrams with Complications originating in 4Q2016.	and IP 95001 supplemental inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection
Comanche Peak 1	Licensee Response	
Comanche Peak 2	Licensee Response	
Cooper	Licensee Response	
Diablo Canyon 1	Licensee Response	
Diablo Canyon 2	Licensee Response	
	Regulatory Response	
Grand Gulf 1	Grand Gulf is in Column 2 because of a white performance indicator in the Initiating Events Cornerstone originating in 3Q2016.	and IP 95001 supplemental inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection Baseline inspection
Palo Verde 1	Licensee Response	
Palo Verde 2	Licensee Response	
Palo Verde 3	Licensee Response	
River Bend 1	Licensee Response	
South Texas 1	Licensee Response	

South Texas 2	Licensee Response	Baseline inspection
Waterford 3	Licensee Response	Baseline inspection
	Regulatory Response	Baseline inspection
Wolf Creek 1	Wolf Creek is in Column 2 because of one or more Greater-than-Green findings in the Security Cornerstone originating in 4Q2017.	and IP 95001 supplemental inspection



Current data as of: Mar 29, 2018

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