

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
Arkansas Nuclear 2	Arkansas Nuclear 1¹	Oconee 1²	Perry 1³	
Beaver Valley 1	Brunswick 2⁴	Oconee 2⁵	Point Beach 1⁶	
Beaver Valley 2	Callaway⁷	Oconee 3⁸	Point Beach 2⁹	
Braidwood 1	Calvert Cliffs 2¹⁰	Surry 1¹¹		
Braidwood 2	Cooper¹²			
Browns Ferry 2	D.C. Cook 1¹³			
Browns Ferry 3	D.C. Cook 2¹⁴			
Brunswick 1	Fermi 2¹⁵			
Byron 1	Fort Calhoun¹⁶			
Byron 2	Hope Creek 1¹⁷			
Calvert Cliffs 1	Millstone 2¹⁸			
Catawba 1	Oyster Creek¹⁹			
Catawba 2	Peach Bottom 2²⁰			
Clinton	Salem 1²¹			
Columbia Generating Station	San Onofre 2²²			
Comanche Peak 1	Surry 2²³			
Comanche Peak 2	Waterford 3²⁴			
Crystal River 3				
Diablo Canyon 1				
Diablo Canyon 2				
Dresden 2				
Dresden 3				
Duane Arnold				
Farley 1				
Farley 2				
FitzPatrick				
Ginna				
Grand Gulf 1				
Harris 1				
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](#)
[North Anna 1](#)
[North Anna 2](#)
[Palisades](#)
[Palo Verde 1](#)
[Palo Verde 2](#)
[Palo Verde 3](#)
[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 2](#)
[San Onofre 3](#)
[Seabrook 1](#)
[Sequoyah 1](#)
[Sequoyah 2](#)
[South Texas 1](#)
[South Texas 2](#)
[Summer](#)
[Susquehanna 1](#)
[Susquehanna 2](#)
[Three Mile Island 1](#)
[Turkey Point 3](#)
[Turkey Point 4](#)
[Vermont Yankee](#)
[Vogtle 1](#)
[Vogtle 2](#)
[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.