

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
Arkansas Nuclear 2	Arkansas Nuclear 1¹			
Beaver Valley 1	Calvert Cliffs 1²			
Beaver Valley 2	Calvert Cliffs 2³			
Braidwood 1	Columbia Generating Station⁴			
Braidwood 2	Cooper⁵			
Browns Ferry 1	Duane Arnold⁶			
Browns Ferry 2	Farley 1⁷			
Browns Ferry 3	Farley 2⁸			
Brunswick 1	Ginna⁹			
Brunswick 2	Hatch 1¹⁰			
Byron 1	Hatch 2¹¹			
Byron 2	Kewaunee¹²			
Callaway	McGuire 1¹³			
Catawba 1	McGuire 2¹⁴			
Catawba 2	Nine Mile Point 2¹⁵			
Clinton	Oconee 1¹⁶			
Comanche Peak 1	Palisades¹⁷			
Comanche Peak 2	Prairie Island 1¹⁸			
Crystal River 3	Prairie Island 2¹⁹			
D.C. Cook 1	San Onofre 2²⁰			
D.C. Cook 2				
Davis-Besse				
Diablo Canyon 1				
Diablo Canyon 2				
Dresden 2				
Dresden 3				

[Fermi 2](#)
[FitzPatrick](#)
[Fort Calhoun](#)
[Grand Gulf 1](#)
[Harris 1](#)
[Hope Creek 1](#)
[Indian Point 2²¹](#)
[Indian Point 3²²](#)
[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.