

## 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

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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<br><br>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<br><br>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<br>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<br>and<br>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<br>and<br>ROP Action Matrix deviation in effect |

## ▲ Region II

| Reactor Unit   | Action Matrix Column                                                                                                                                                  | Current Regulatory Oversight                                   |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Browns Ferry 1 | Multiple/Repetitive Degraded Cornerstone Column<br>Browns Ferry 1 is in Column 4 because of a red finding in the Mitigating Systems Cornerstone originating in 4Q2010 | Baseline inspection<br>and<br>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<br>Brunswick 1 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2010                                                                                                                                                                                                                                                                                                                                          | Baseline inspection<br>and<br>IP 95001 supplemental inspection |
| Brunswick 2     | Regulatory Response Column<br>Brunswick 2 is in Column 2 because of a white finding in the Emergency Preparedness Cornerstone originating in 3Q2010                                                                                                                                                                                                                                                                                                                                          | Baseline inspection<br>and<br>IP 95001 supplemental inspection |
| Catawba 1       | Licensee Response Column<br>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<br>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<br>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<br>and<br>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<br>Byron 2 is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011. | Baseline inspection<br>and<br>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**

| <b>Reactor Unit</b>         | <b>Action Matrix Column</b>                                                                                                                                                                                                                                             | <b>Current Regulatory Oversight</b>                            |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 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<br>Cooper is in Column 2 because of a white finding in the Mitigating Systems Cornerstone originating in 1Q2011.                                                                                                                             | Baseline inspection<br>and<br>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<br>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<br>and<br>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="#"><u>Arkansas Nuclear 1</u></a>          | <a href="#"><u>Brunswick 1</u></a>    | <a href="#"><u>Fort Calhoun</u></a>  | <a href="#"><u>Browns Ferry 1</u></a>           |                                 |
| <a href="#"><u>Arkansas Nuclear 2</u></a>          | <a href="#"><u>Brunswick 2</u></a>    | <a href="#"><u>Susquehanna 1</u></a> |                                                 |                                 |
| <a href="#"><u>Beaver Valley 1</u></a>             | <a href="#"><u>Byron 2</u></a>        |                                      |                                                 |                                 |
| <a href="#"><u>Beaver Valley 2</u></a>             | <a href="#"><u>Cooper</u></a>         |                                      |                                                 |                                 |
| <a href="#"><u>Braidwood 1</u></a>                 | <a href="#"><u>Ginna</u></a>          |                                      |                                                 |                                 |
| <a href="#"><u>Braidwood 2</u></a>                 | <a href="#"><u>Robinson 2</u></a>     |                                      |                                                 |                                 |
| <a href="#"><u>Browns Ferry 2</u></a>              | <a href="#"><u>Turkey Point 4</u></a> |                                      |                                                 |                                 |
| <a href="#"><u>Browns Ferry 3</u></a>              |                                       |                                      |                                                 |                                 |
| <a href="#"><u>Byron 1</u></a>                     |                                       |                                      |                                                 |                                 |
| <a href="#"><u>Callaway</u></a>                    |                                       |                                      |                                                 |                                 |
| <a href="#"><u>Calvert Cliffs 1</u></a>            |                                       |                                      |                                                 |                                 |
| <a href="#"><u>Calvert Cliffs 2</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>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 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>                     |                                       |                                      |                                                 |                                 |

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