

**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](#)  
[Hatch 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 1](#)  
[Nine Mile Point 2](#)  
[North Anna 1](#)  
[North Anna 2](#)  
[Palisades](#)  
[Peach Bottom 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 2](#)  
[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.