

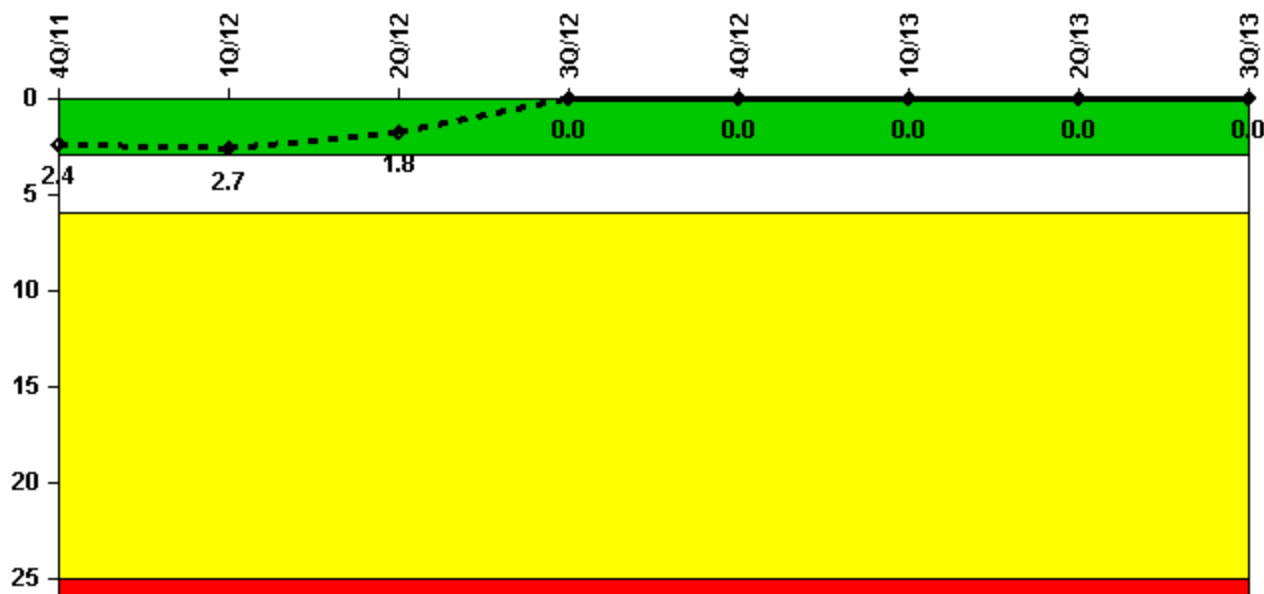
# Sequoyah 1

## 3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



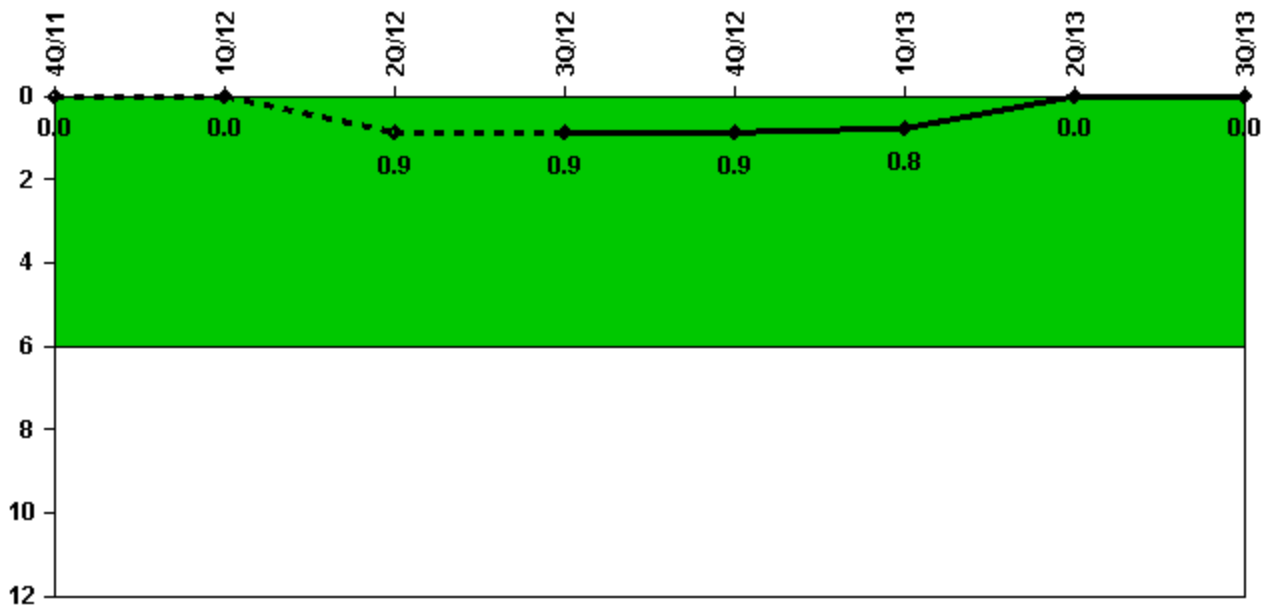
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/11  | 1Q/12  | 2Q/12  | 3Q/12  | 4Q/12  | 1Q/13  | 2Q/13  | 3Q/13  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                         | 2209.0 | 1386.4 | 2184.0 | 2208.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 |
| Indicator value                        | 2.4    | 2.7    | 1.8    | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none

### Unplanned Power Changes per 7000 Critical Hrs



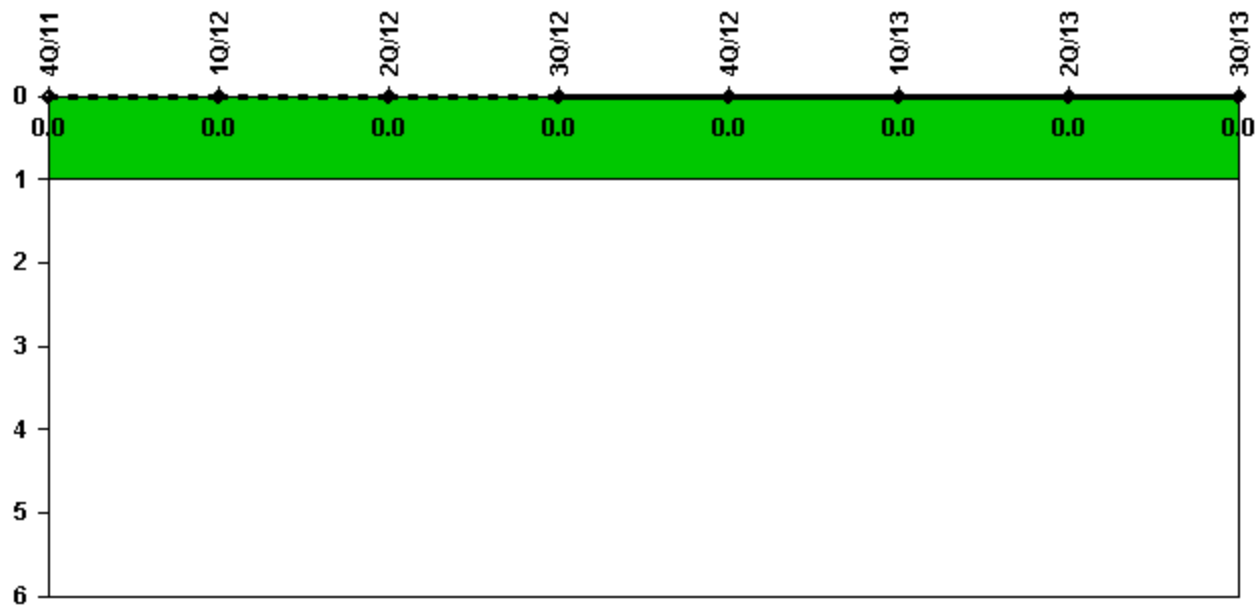
Thresholds: White > 6.0

#### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/11    | 1Q/12    | 2Q/12      | 3Q/12      | 4Q/12      | 1Q/13      | 2Q/13    | 3Q/13    |
|---|----------|----------|------------|------------|------------|------------|----------|----------|
| Unplanned power changes                       | 0        | 0        | 1.0        | 0          | 0          | 0          | 0        | 0        |
| Critical hours                                | 2209.0   | 1386.4   | 2184.0     | 2208.0     | 2209.0     | 2159.0     | 2184.0   | 2208.0   |
| <b>Indicator value</b>                        | <b>0</b> | <b>0</b> | <b>0.9</b> | <b>0.9</b> | <b>0.9</b> | <b>0.8</b> | <b>0</b> | <b>0</b> |

Licensee Comments: none

### Unplanned Scrams with Complications



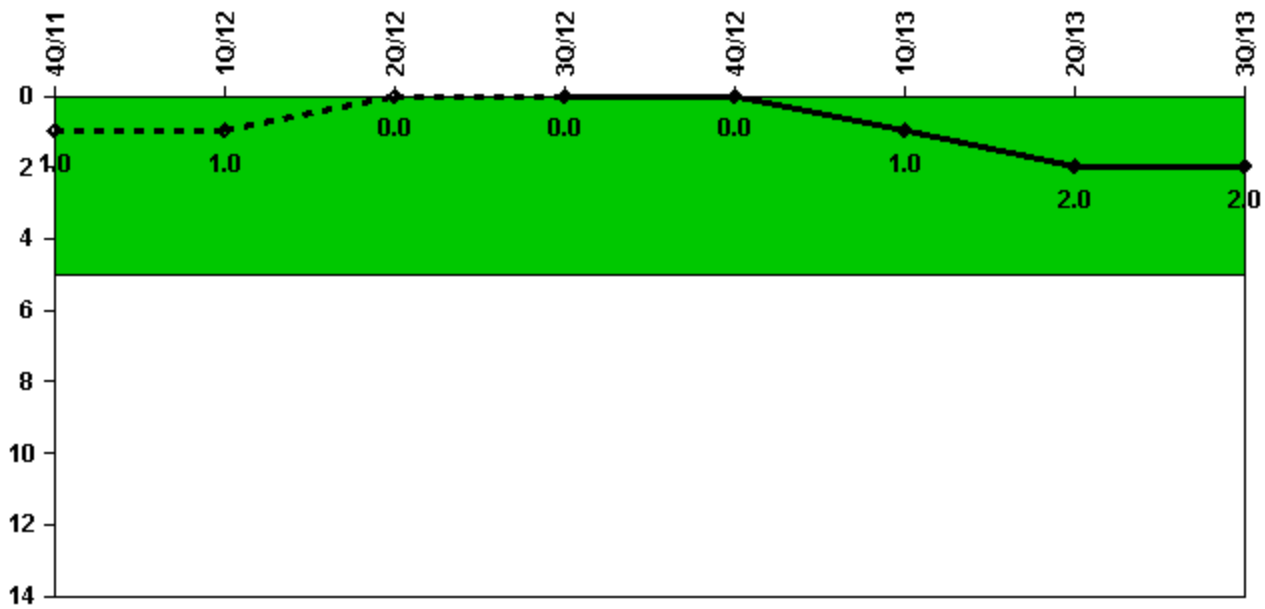
Thresholds: White > 1.0

#### Notes

| Unplanned Scrams with Complications | 4Q/11      | 1Q/12      | 2Q/12      | 3Q/12      | 4Q/12      | 1Q/13      | 2Q/13      | 3Q/13      |
|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Scrams with complications           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|                                     |            |            |            |            |            |            |            |            |
| <b>Indicator value</b>              | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> | <b>0.0</b> |

Licensee Comments: none

### Safety System Functional Failures (PWR)



Thresholds: White > 5.0

#### Notes

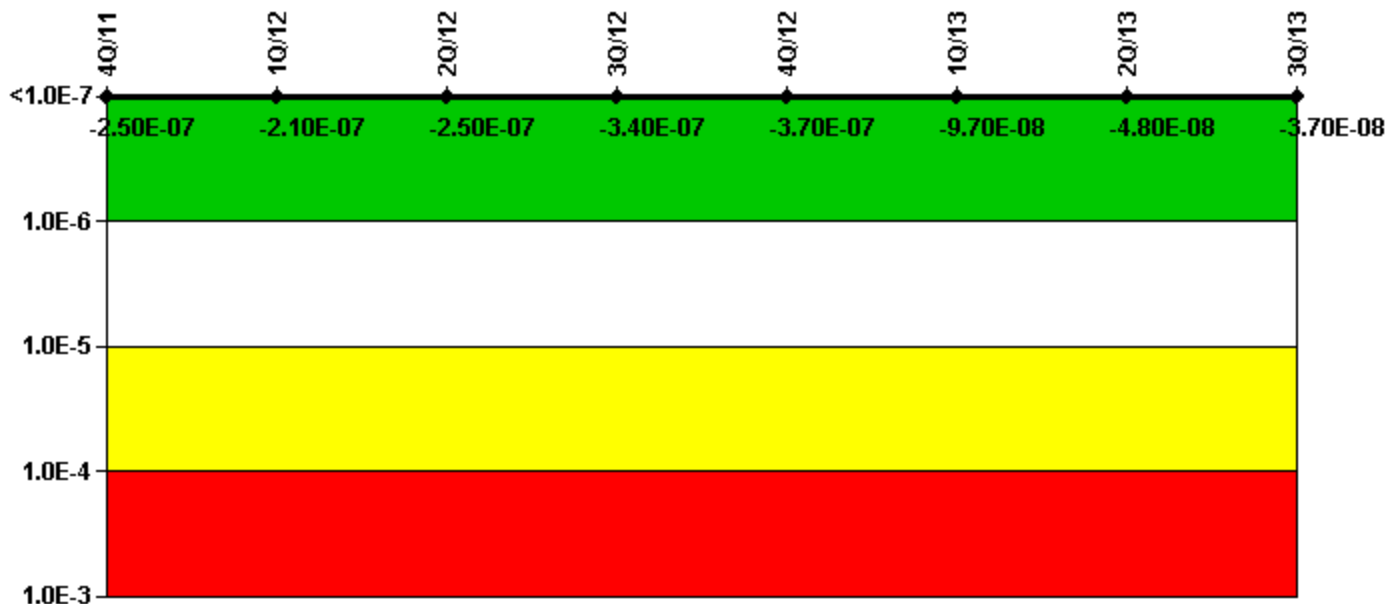
| Safety System Functional Failures (PWR) | 4Q/11    | 1Q/12    | 2Q/12    | 3Q/12    | 4Q/12    | 1Q/13    | 2Q/13    | 3Q/13    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| Safety System Functional Failures       | 0        | 0        | 0        | 0        | 0        | 1        | 1        | 0        |
| <b>Indicator value</b>                  | <b>1</b> | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>2</b> | <b>2</b> |

Licensee Comments:

2Q/13: LER 327/328/2013-001-00

1Q/13: LER 20-327/2012-001

### Mitigating Systems Performance Index, Emergency AC Power System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/11     | 1Q/12     | 2Q/12     | 3Q/12     | 4Q/12     | 1Q/13     | 2Q/13     | 3Q/13     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  | 3.32E-08  | 6.06E-08  | 1.63E-08  | 1.67E-08  | 2.54E-08  | 4.18E-08  | 8.19E-08  | 9.71E-08  |
| URI (ΔCDF)  | -2.81E-07 | -2.72E-07 | -2.65E-07 | -3.60E-07 | -3.95E-07 | -1.39E-07 | -1.29E-07 | -1.34E-07 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -2.50E-07 | -2.10E-07 | -2.50E-07 | -3.40E-07 | -3.70E-07 | -9.70E-08 | -4.80E-08 | -3.70E-08 |

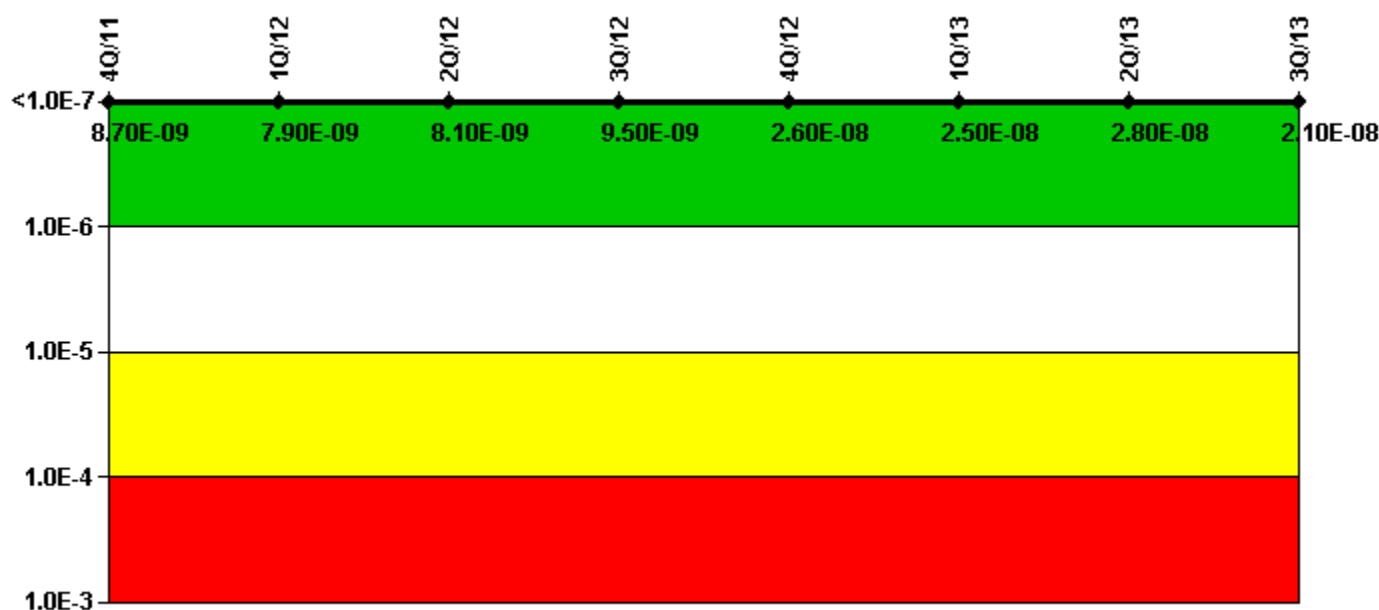
#### Licensee Comments:

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2 including adding the EDG FO Pumps to scope as required by a FAQ to NEI 99-02. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

## Mitigating Systems Performance Index, High Pressure Injection System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

### Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/11     | 1Q/12     | 2Q/12     | 3Q/12     | 4Q/12     | 1Q/13     | 2Q/13     | 3Q/13     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | 9.17E-09  | 8.35E-09  | 8.54E-09  | 9.93E-09  | 2.62E-08  | 2.59E-08  | 2.86E-08  | 2.16E-08  |
| URI ( $\Delta$ CDF)  | -4.22E-10 | -4.22E-10 | -4.23E-10 | -4.24E-10 | -6.33E-10 | -6.34E-10 | -6.34E-10 | -6.35E-10 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | 8.70E-09  | 7.90E-09  | 8.10E-09  | 9.50E-09  | 2.60E-08  | 2.50E-08  | 2.80E-08  | 2.10E-08  |

### Licensee Comments:

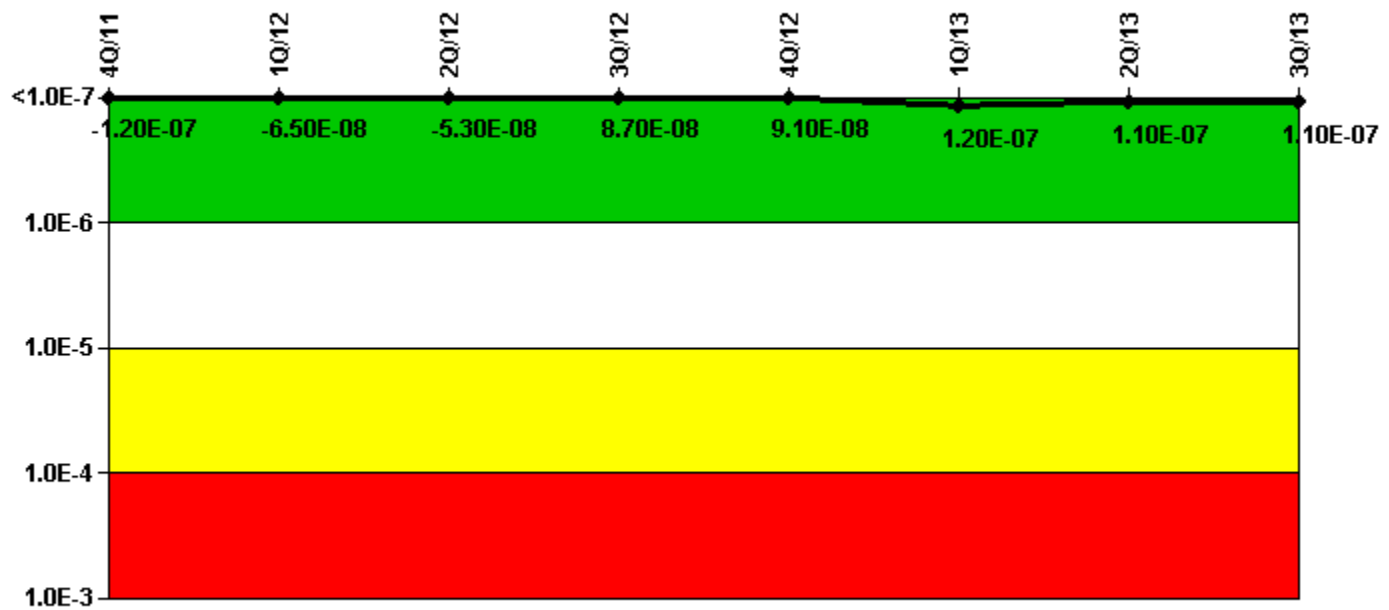
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

4Q/11: Changed PRA Parameter(s).

### Mitigating Systems Performance Index, Heat Removal System



Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

#### Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/11       | 1Q/12       | 2Q/12       | 3Q/12       | 4Q/12       | 1Q/13       | 2Q/13       | 3Q/13       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UAI ( $\Delta$ CDF)                                       | $1.64E-07$  | $2.15E-07$  | $2.23E-07$  | $3.62E-07$  | $2.23E-07$  | $2.50E-07$  | $2.46E-07$  | $2.41E-07$  |
| URI ( $\Delta$ CDF)                                       | $-2.86E-07$ | $-2.80E-07$ | $-2.75E-07$ | $-2.75E-07$ | $-1.32E-07$ | $-1.32E-07$ | $-1.32E-07$ | $-1.32E-07$ |
| PLE   | NO          | NO          | NO          | NO          | NO          | NO          | NO          | NO          |
| Indicator value   | $-1.20E-07$ | $-6.50E-08$ | $-5.30E-08$ | $8.70E-08$  | $9.10E-08$  | $1.20E-07$  | $1.10E-07$  | $1.10E-07$  |

Licensee Comments:

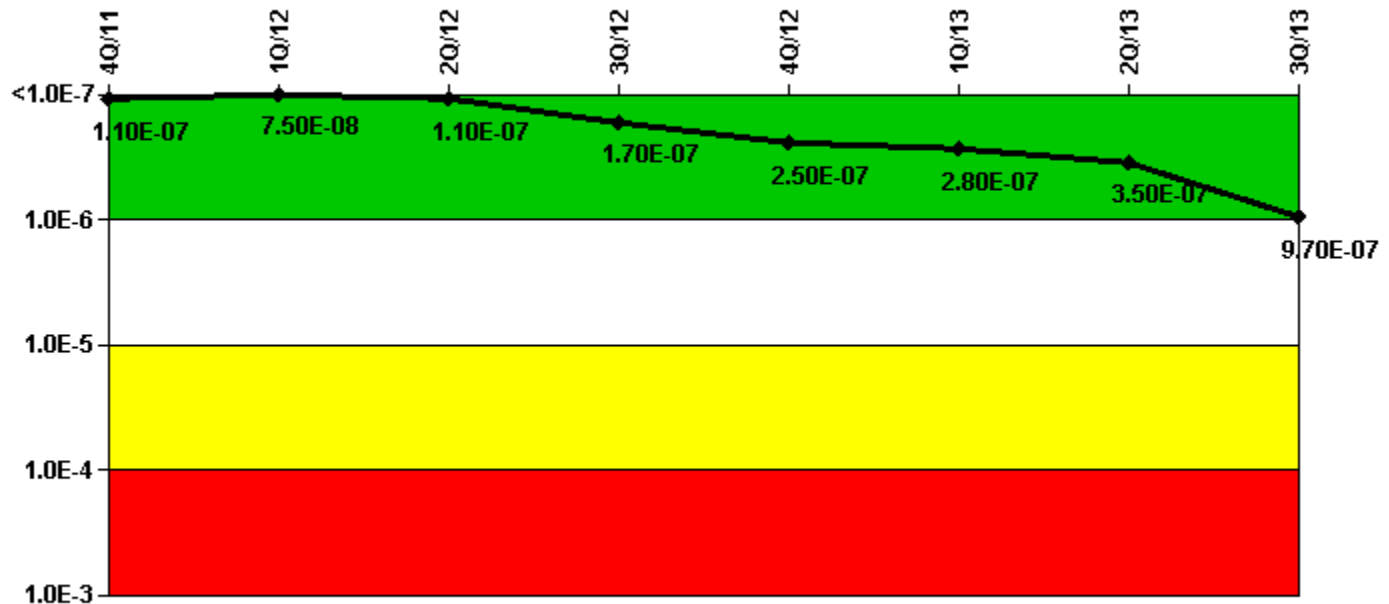
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by

NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

### Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/11     | 1Q/12     | 2Q/12     | 3Q/12     | 4Q/12     | 1Q/13     | 2Q/13     | 3Q/13    |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| UAI ( $\Delta$ CDF)  | 2.86E-07  | 2.50E-07  | 2.87E-07  | 3.48E-07  | 4.63E-07  | 4.96E-07  | 5.65E-07  | 6.91E-07 |
| URI ( $\Delta$ CDF)  | -1.75E-07 | -1.75E-07 | -1.75E-07 | -1.75E-07 | -2.10E-07 | -2.14E-07 | -2.17E-07 | 2.80E-07 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO       |
| Indicator value  | 1.10E-07  | 7.50E-08  | 1.10E-07  | 1.70E-07  | 2.50E-07  | 2.80E-07  | 3.50E-07  | 9.70E-07 |

Licensee Comments:

3Q/13: Risk Cap Invoked. The failure of 1-FCV-074-0003 to close was determined to be the starting time of this Unplanned Unavailability. The dual indication on 1-FCV-063-0072 was not classified as the initiating time from a MSPI point of view.



4Q/12: The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

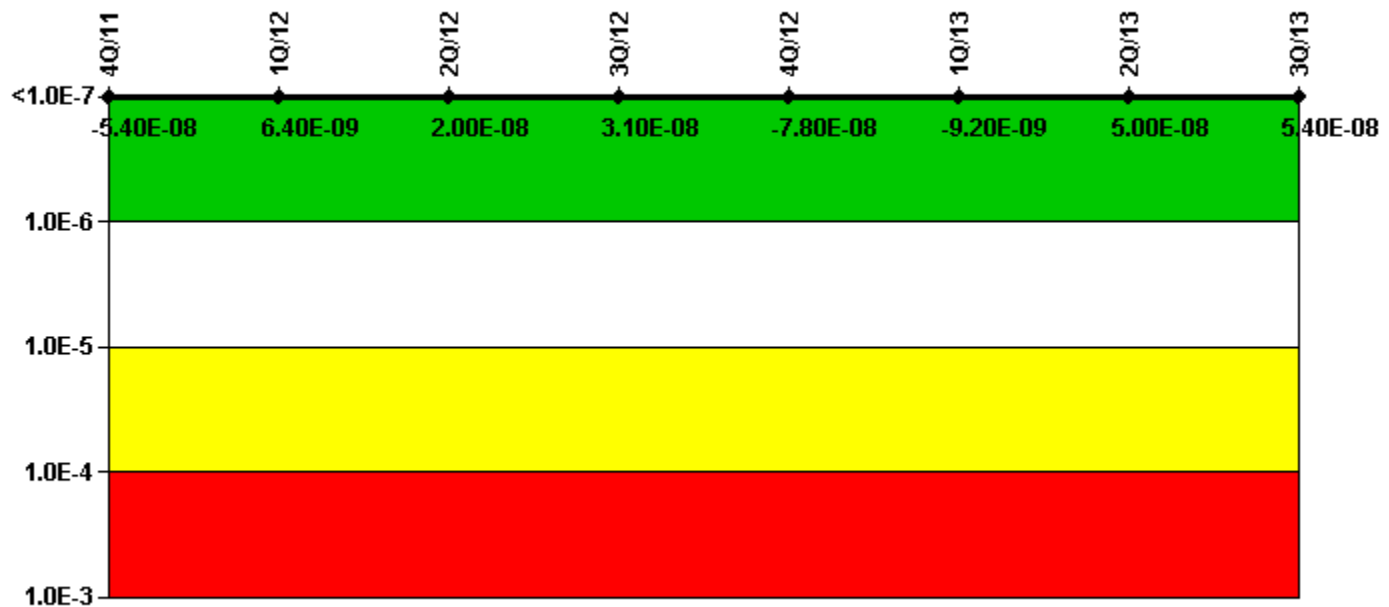
4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

1Q/12: Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857.

### Mitigating Systems Performance Index, Cooling Water Systems



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

#### Notes

| <b>Mitigating Systems Performance Index, Cooling Water Systems</b> | <b>4Q/11</b>     | <b>1Q/12</b>    | <b>2Q/12</b>    | <b>3Q/12</b>    | <b>4Q/12</b>     | <b>1Q/13</b>     | <b>2Q/13</b>    | <b>3Q/13</b>    |
|--|------------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|
| UAI ( $\Delta$ CDF)  | 2.07E-08         | 8.12E-08        | 9.48E-08        | 1.06E-07        | 5.07E-08         | 1.19E-07         | 1.78E-07        | 1.82E-07        |
| URI ( $\Delta$ CDF)  | -7.49E-08        | -7.49E-08       | -7.49E-08       | -7.49E-08       | -1.28E-07        | -1.28E-07        | -1.28E-07       | -1.28E-07       |
| PLE  | NO               | NO              | NO              | NO              | NO               | NO               | NO              | NO              |
| <b>Indicator value</b>   | <b>-5.40E-08</b> | <b>6.40E-09</b> | <b>2.00E-08</b> | <b>3.10E-08</b> | <b>-7.80E-08</b> | <b>-9.20E-09</b> | <b>5.00E-08</b> | <b>5.40E-08</b> |

## Licensee Comments:

3Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/13: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/13: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/12: Changed PRA Parameter(s). The PRA Model of Record was revised 9/1/2012, updating the PRA model using the CAFTA program. The base numbers used in the MSPI database were also updated in accordance with NEI 99-02 Rev 6. As a result of the PRA model change, the CDF, Fussel-Vesely and Basic Event Probabilities for all monitored trains and components were revised. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

3Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

2Q/12: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

1Q/12: Changed PRA Parameter(s). Revised PRA values and scoping for the PRA Model of Record dated 5/27/11 as recalculated in Calc MDN-000-999-2011-0255 Rev 1 & 2. Errors in calc Rev 0 corrected in CDE back thru 3rd quarter 2011 as required by NEI 99-02. Ref PER 483857. The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

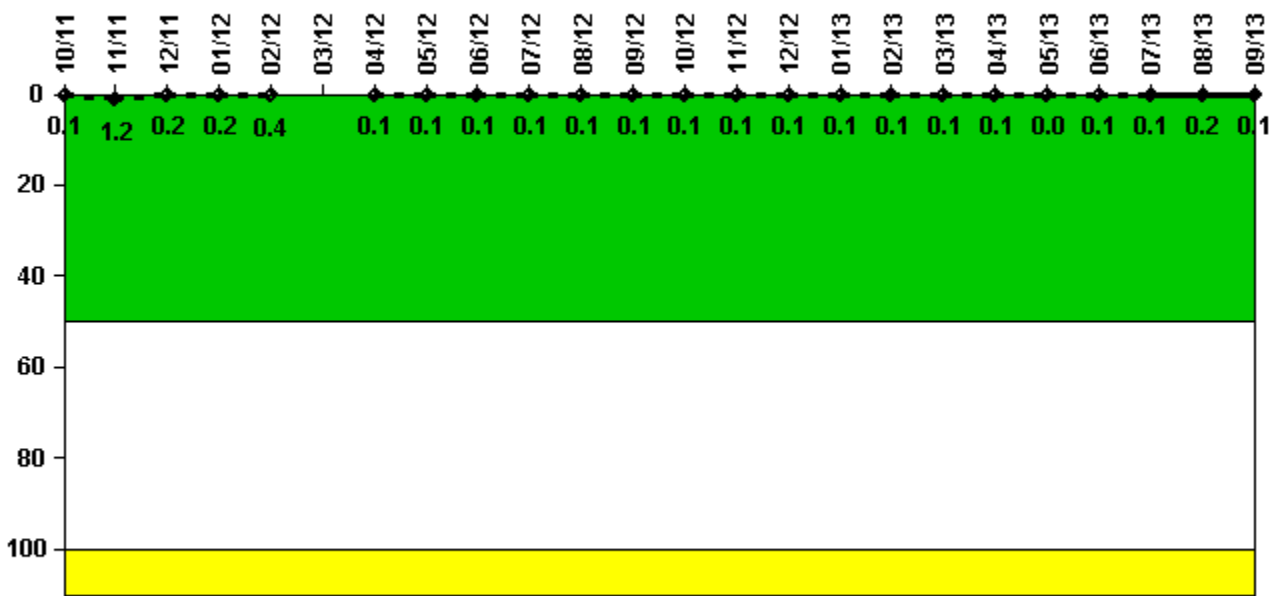
less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

4Q/11: Changed PRA Parameter(s). The planned unavailability baselines for all ERCW pumps were adjusted as needed to reflect past and current planned maintenance not performed every 3 years or less as specified by NEI 99-02.

### Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

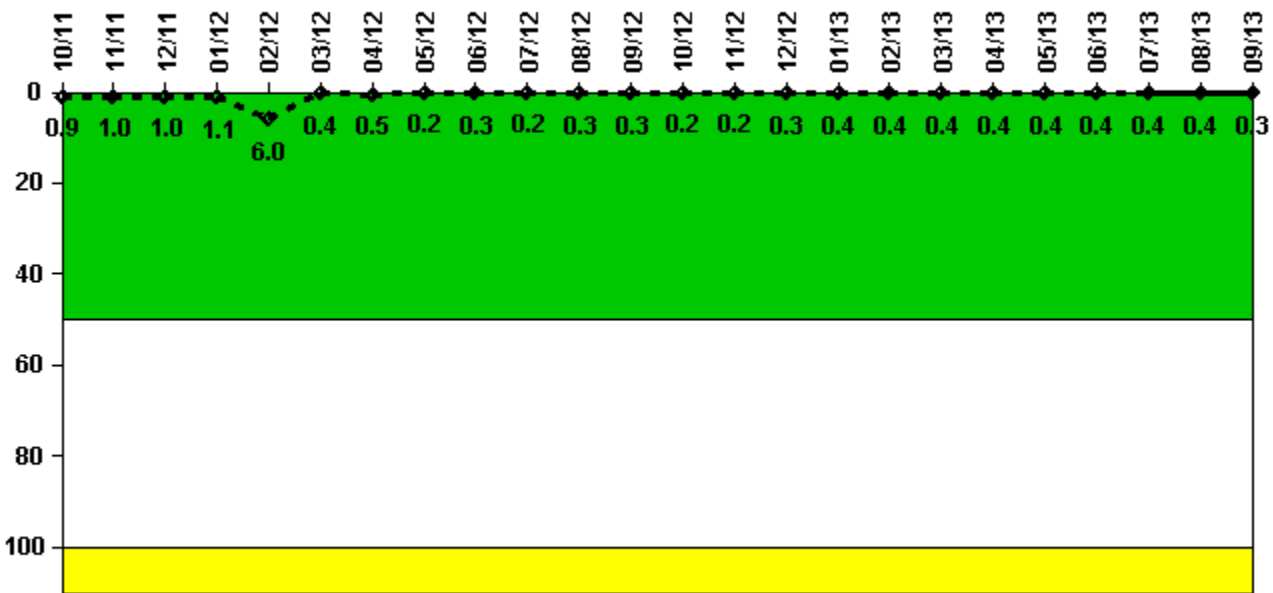
### Notes

| Reactor Coolant System Activity | 10/11    | 11/11    | 12/11    | 1/12     | 2/12     | 3/12 | 4/12     | 5/12     | 6/12     | 7/12     | 8/12     | 9/12     |
|---------------------------------|----------|----------|----------|----------|----------|------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000436 | 0.004270 | 0.000609 | 0.000584 | 0.001269 | N/A  | 0.000284 | 0.000305 | 0.000289 | 0.000327 | 0.000307 | 0.000326 |
| Technical specification limit   | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4  | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      |
| Indicator value                 | 0.1      | 1.2      | 0.2      | 0.2      | 0.4      | N/A  | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |
| Reactor                         |          |          |          |          |          |      |          |          |          |          |          |          |

| Coolant System Activity       | 10/12    | 11/12    | 12/12    | 1/13     | 2/13     | 3/13     | 4/13     | 5/13     | 6/13     | 7/13     | 8/13     | 9/13     |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity              | 0.000380 | 0.000360 | 0.000452 | 0.000412 | 0.000445 | 0.000430 | 0.000465 | 0.000063 | 0.000491 | 0.000510 | 0.000566 | 0.000504 |
| Technical specification limit | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      | 0.4      |
| Indicator value               | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0        | 0.1      | 0.1      | 0.2      | 0.1      |

Licensee Comments: none

### Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

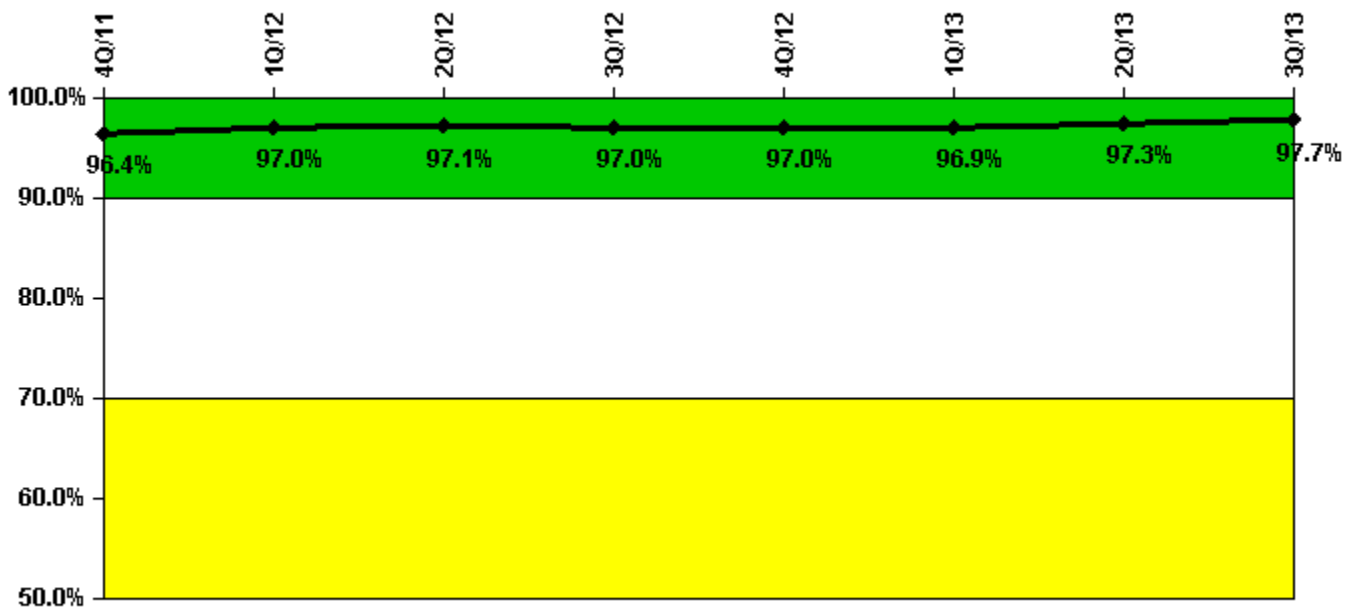
### Notes

| Reactor Coolant System Leakage | 10/11 | 11/11 | 12/11 | 1/12  | 2/12  | 3/12  | 4/12  | 5/12  | 6/12  | 7/12  | 8/12  | 9/12  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 0.090 | 0.100 | 0.100 | 0.110 | 0.600 | 0.040 | 0.050 | 0.020 | 0.030 | 0.020 | 0.030 | 0.030 |
| Technical specification limit  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| Indicator value                | 0.9   | 1.0   | 1.0   | 1.1   | 6.0   | 0.4   | 0.5   | 0.2   | 0.3   | 0.2   | 0.3   | 0.3   |
| Reactor Coolant System Leakage | 10/12 | 11/12 | 12/12 | 1/13  | 2/13  | 3/13  | 4/13  | 5/13  | 6/13  | 7/13  | 8/13  | 9/13  |
|                                |       |       |       |       |       |       |       |       |       |       |       |       |

|                               |            |            |            |            |            |            |            |            |            |            |            |            |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Maximum leakage               | 0.020      | 0.020      | 0.030      | 0.040      | 0.040      | 0.040      | 0.040      | 0.040      | 0.040      | 0.040      | 0.040      | 0.030      |
| Technical specification limit | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       | 10.0       |
| <b>Indicator value</b>        | <b>0.2</b> | <b>0.2</b> | <b>0.3</b> | <b>0.4</b> | <b>0.4</b> | <b>0.4</b> | <b>0.4</b> | <b>0.4</b> | <b>0.4</b> | <b>0.4</b> | <b>0.4</b> | <b>0.3</b> |

Licensee Comments: none

### Drill/Exercise Performance



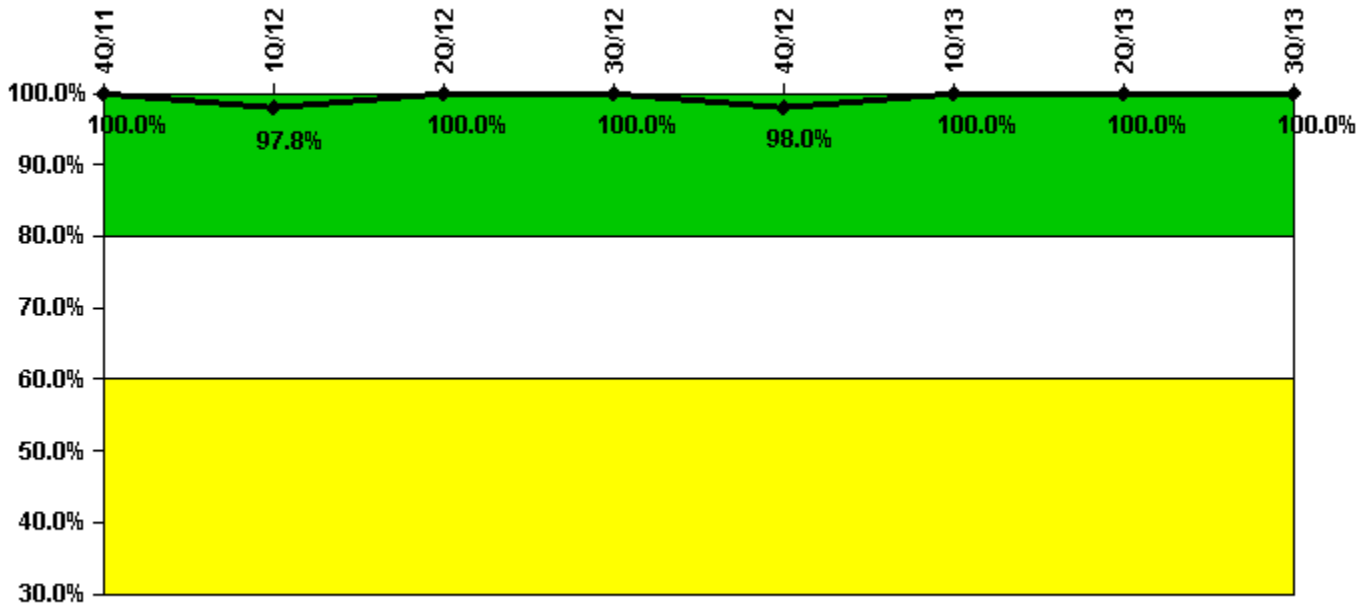
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 4Q/11        | 1Q/12        | 2Q/12        | 3Q/12        | 4Q/12        | 1Q/13        | 2Q/13        | 3Q/13        |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful opportunities   | 70.0         | 6.0          | 32.0         | 87.0         | 10.0         | 41.0         | 50.0         | 82.0         |
| Total opportunities        | 73.0         | 6.0          | 32.0         | 90.0         | 10.0         | 42.0         | 50.0         | 84.0         |
| <b>Indicator value</b>     | <b>96.4%</b> | <b>97.0%</b> | <b>97.1%</b> | <b>97.0%</b> | <b>97.0%</b> | <b>96.9%</b> | <b>97.3%</b> | <b>97.7%</b> |

Licensee Comments: none

### ERO Drill Participation



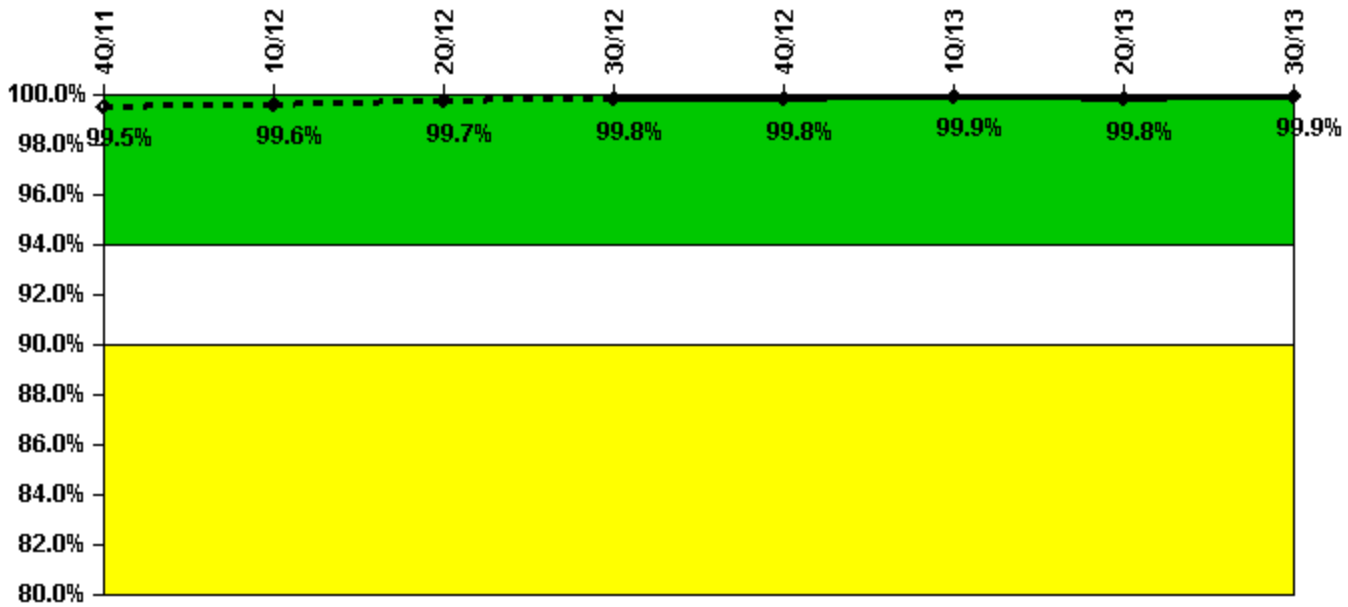
Thresholds: White < 80.0% Yellow < 60.0%

#### Notes

| ERO Drill Participation     | 4Q/11         | 1Q/12        | 2Q/12         | 3Q/12         | 4Q/12        | 1Q/13         | 2Q/13         | 3Q/13         |
|-----------------------------|---------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Participating Key personnel | 90.0          | 88.0         | 99.0          | 97.0          | 99.0         | 97.0          | 98.0          | 97.0          |
| Total Key personnel         | 90.0          | 90.0         | 99.0          | 97.0          | 101.0        | 97.0          | 98.0          | 97.0          |
| <b>Indicator value</b>      | <b>100.0%</b> | <b>97.8%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>98.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> |

Licensee Comments: none

### Alert & Notification System



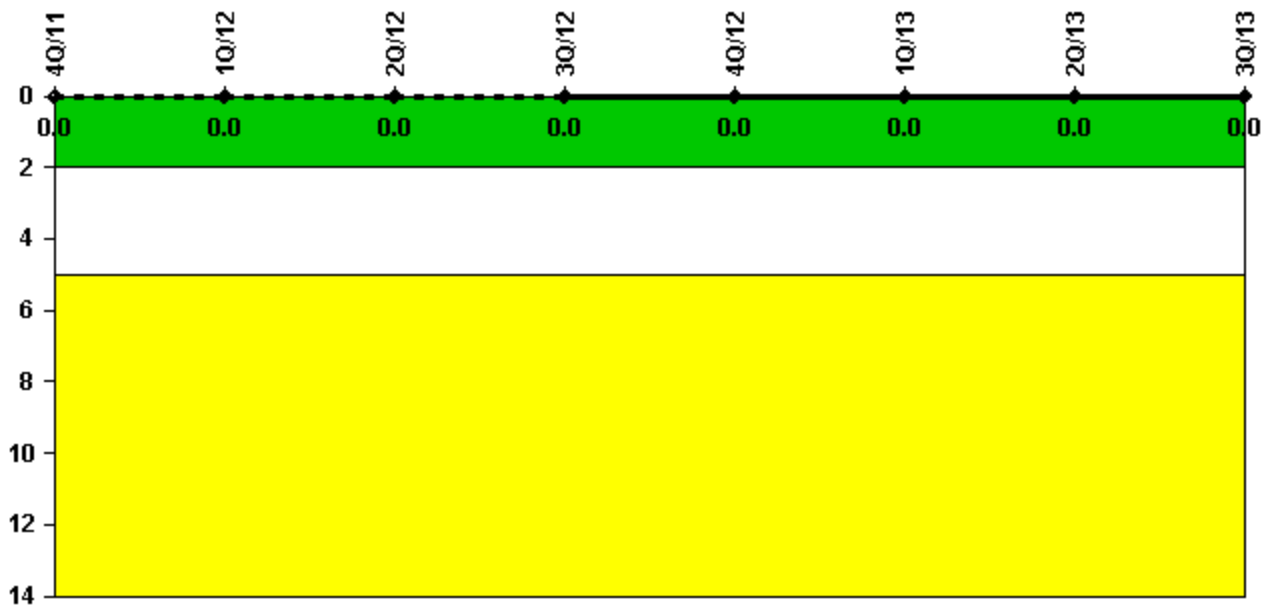
Thresholds: White < 94.0% Yellow < 90.0%

#### Notes

| Alert & Notification System | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 862   | 863   | 864   | 861   | 753   | 978   | 889   | 1014  |
| Total sirens-tests          | 864   | 864   | 864   | 864   | 755   | 978   | 890   | 1016  |
| Indicator value             | 99.5% | 99.6% | 99.7% | 99.8% | 99.8% | 99.9% | 99.8% | 99.9% |

Licensee Comments: none

### Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

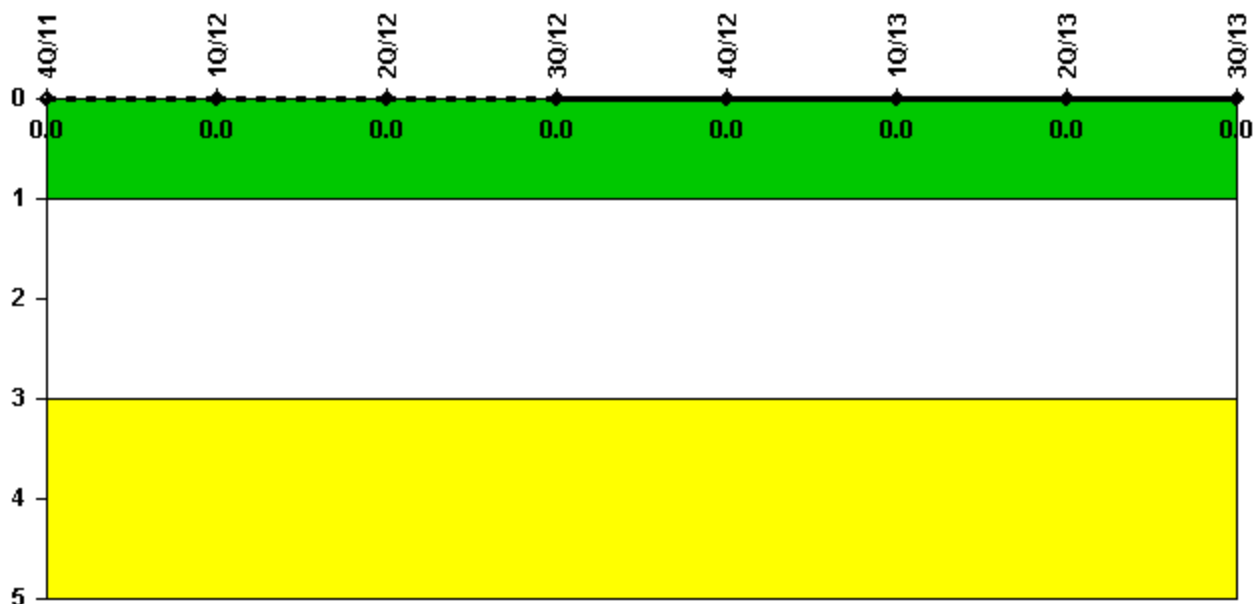
#### Notes

| Occupational Exposure Control Effectiveness | 4Q/11    | 1Q/12    | 2Q/12    | 3Q/12    | 4Q/12    | 1Q/13    | 2Q/13    | 3Q/13    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| High radiation area occurrences             | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Very high radiation area occurrences        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| Unintended exposure occurrences             | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |
| <b>Indicator value</b>                      | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

Licensee Comments: none



### RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

#### Notes

| RETS/ODCM Radiological Effluent | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

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.

 [Action Matrix Summary](#) | [Inspection Findings Summary](#) | [PI Summary](#) | [Reactor Oversight Process](#)

*Last Modified: October 22, 2013*