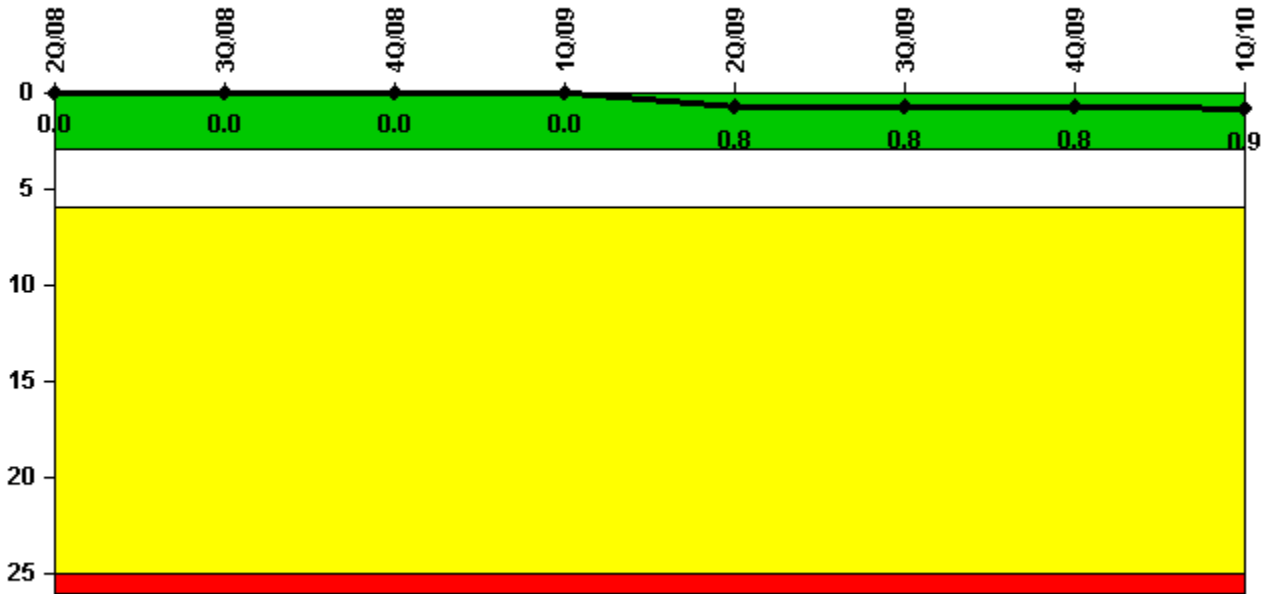


# La Salle 1

## 1Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



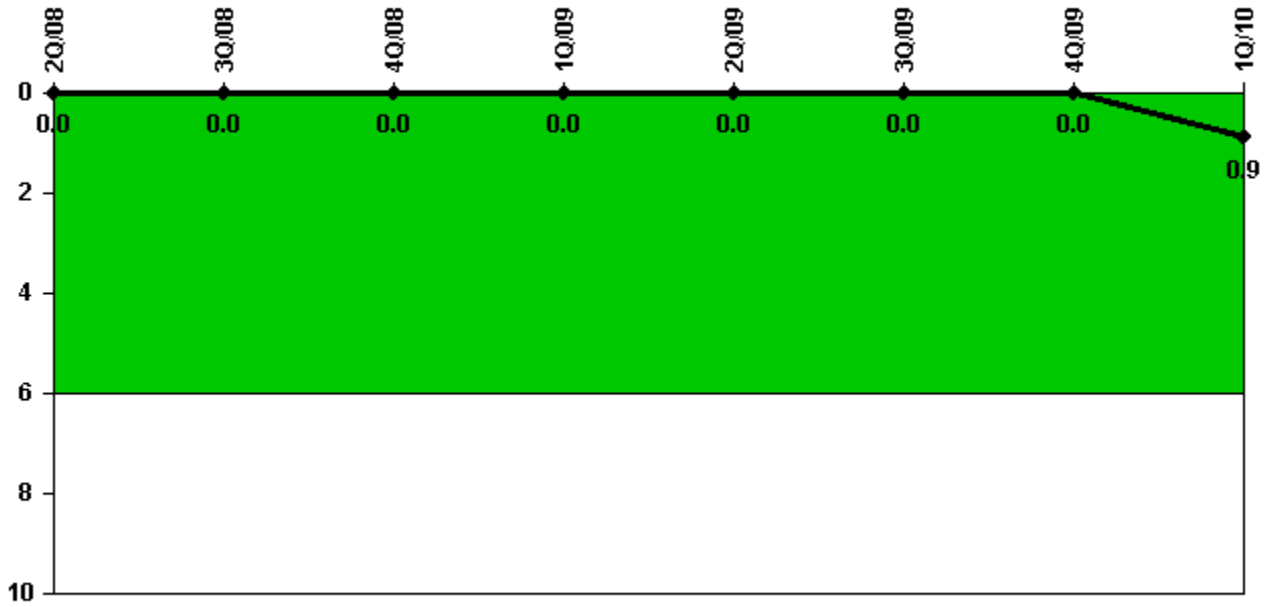
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/08  | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  | 3Q/09  | 4Q/09  | 1Q/10  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 1.0    | 0      | 0      | 0      |
| Critical hours                         | 2184.0 | 2160.5 | 2198.5 | 2159.0 | 2142.3 | 2146.0 | 2209.0 | 1550.2 |
| Indicator value                        | 0      | 0      | 0      | 0      | 0.8    | 0.8    | 0.8    | 0.9    |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/08  | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  | 3Q/09  | 4Q/09  | 1Q/10  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 1.0    |
| Critical hours                                | 2184.0 | 2160.5 | 2198.5 | 2159.0 | 2142.3 | 2146.0 | 2209.0 | 1550.2 |
| Indicator value                               | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.9    |

Licensee Comments: none

## Unplanned Scrams with Complications



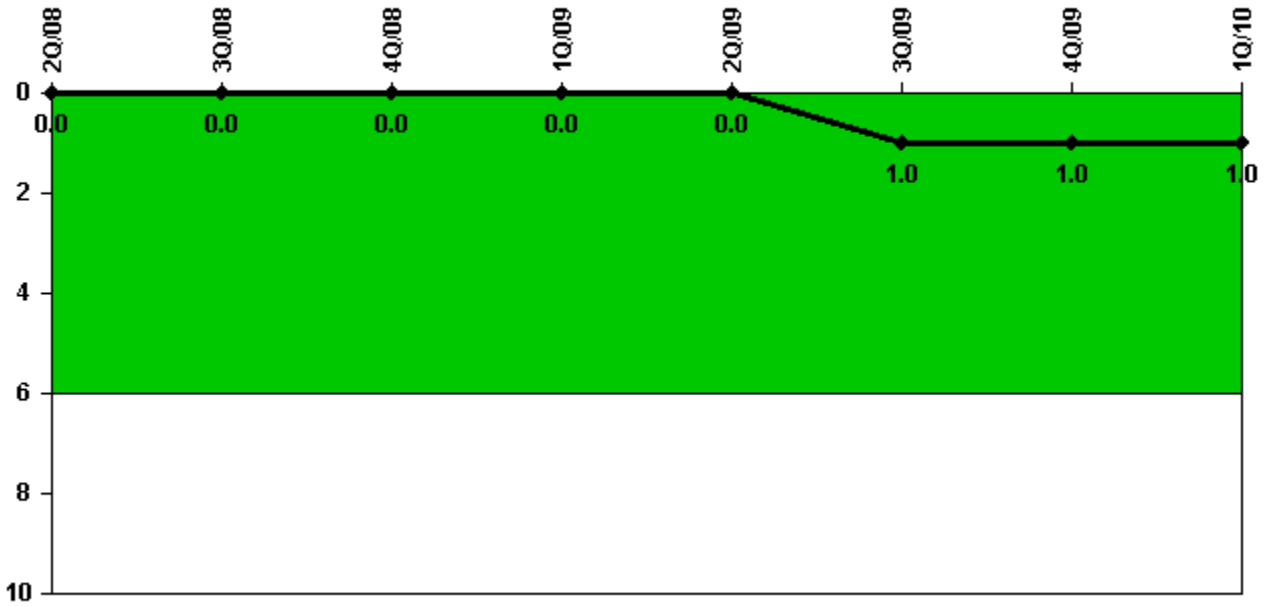
Thresholds: White > 1.0

### Notes

| Unplanned Scrams with Complications | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                                     |       |       |       |       |       |       |       |       |
|                                     |       |       |       |       |       |       |       |       |
| Indicator value                     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

Licensee Comments: none

## Safety System Functional Failures (BWR)



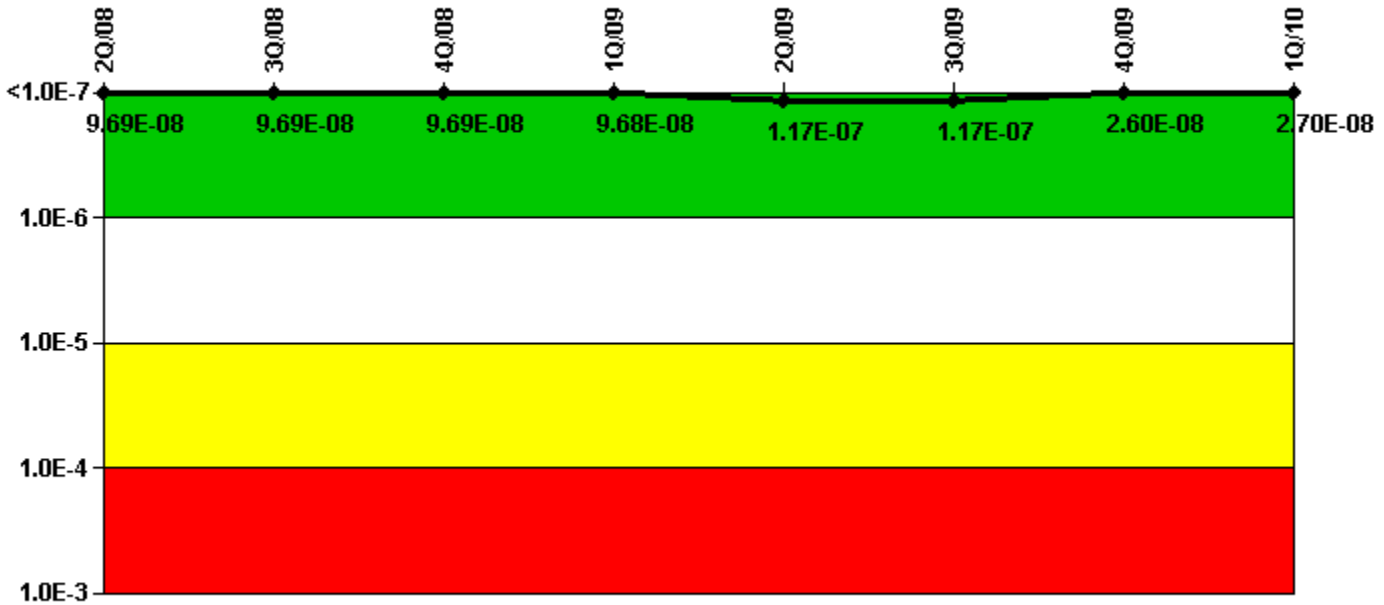
Thresholds: White > 6.0

### Notes

| Safety System Functional Failures (BWR) | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 0     |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 1     |

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



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

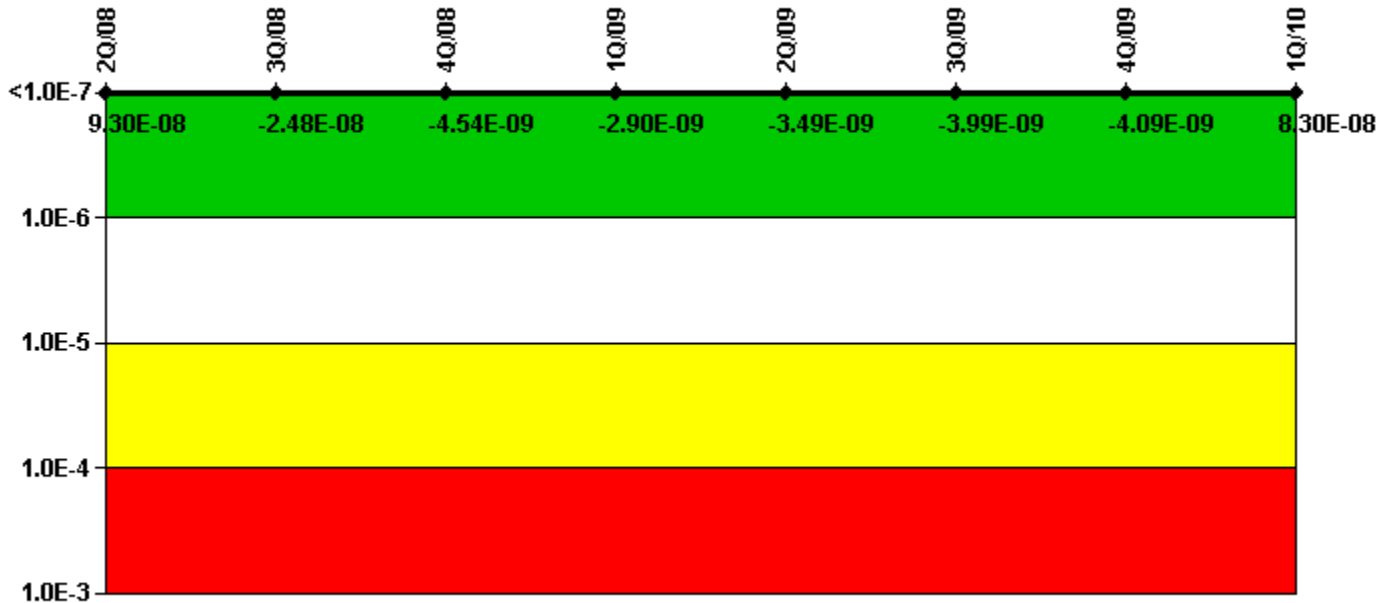
## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | -3.10E-09 | -3.10E-09 | -3.10E-09 | -3.20E-09 | -3.00E-09 | -3.00E-09 | -3.00E-09 | -2.18E-09 |
| URI ( $\Delta$ CDF)   | 1.00E-07  | 1.00E-07  | 1.00E-07  | 1.00E-07  | 1.20E-07  | 1.20E-07  | 2.90E-08  | 2.90E-08  |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | 9.69E-08  | 9.69E-08  | 9.69E-08  | 9.68E-08  | 1.17E-07  | 1.17E-07  | 2.60E-08  | 2.70E-08  |

Licensee Comments:

1Q/10: Changed PRA Parameter(s). PRA inputs for unavailability monitoring were changed to correct basic events values used for the calculation of the Fussell-Vesely / basic event probability ratio. It was identified that the maintenance unavailability basic events in the PRA are not logically equivalent to demand failure basic events. This was corrected by considering only the maintenance unavailability basic events. The resulting change in the unavailability index was minimal, and all indicators remain Green. This issue has been entered into the corrective action program.

# Mitigating Systems Performance Index, High Pressure Injection System



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

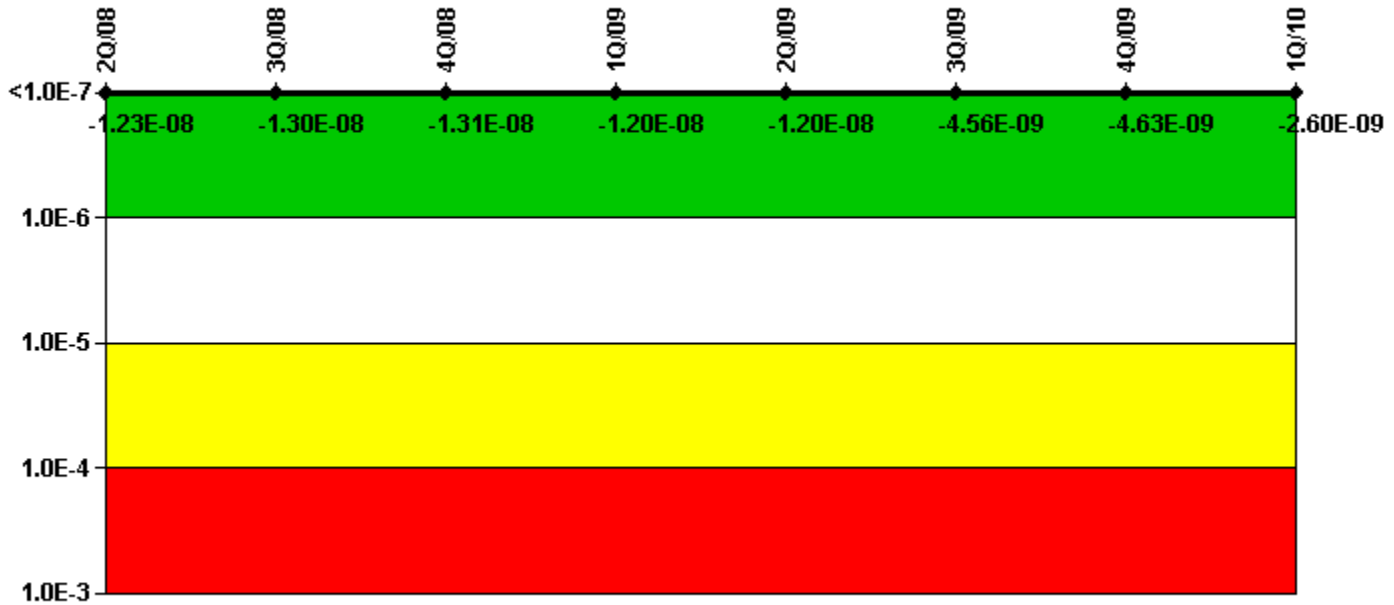
## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 2Q/08    | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10    |
|--|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| UAI ( $\Delta$ CDF)  | 3.50E-08 | -2.80E-09 | -6.40E-10 | -7.00E-10 | -6.90E-10 | -6.90E-10 | -6.90E-10 | 2.01E-09 |
| URI ( $\Delta$ CDF)  | 5.80E-08 | -2.20E-08 | -3.90E-09 | -2.20E-09 | -2.80E-09 | -3.30E-09 | -3.40E-09 | 8.12E-08 |
| PLE  | NO       | NO        | NO        | NO        | NO        | NO        | NO        | NO       |
| Indicator value  | 9.30E-08 | -2.48E-08 | -4.54E-09 | -2.90E-09 | -3.49E-09 | -3.99E-09 | -4.09E-09 | 8.30E-08 |

## Licensee Comments:

1Q/10: Changed PRA Parameter(s). PRA inputs for unavailability monitoring were changed to correct basic event values used for the calculation of the Fussell-Vesely / basic event probability ratio. It was identified that the maintenance unavailability basic events in the PRA are not logically equivalent to demand failure basic events. This was corrected by considering only the maintenance unavailability basic events. The resulting change in the unavailability index was minimal, and all indicators remain Green. This issue has been entered into the corrective action program.

# Mitigating Systems Performance Index, Heat Removal System



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

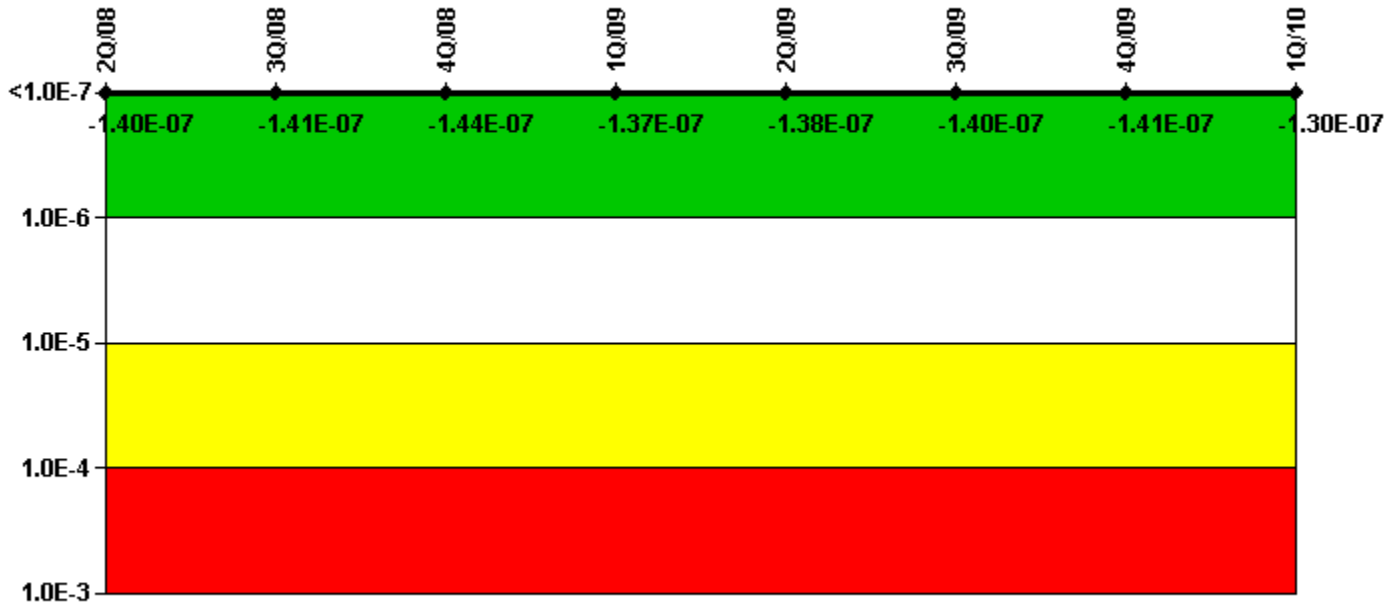
## Notes

| Mitigating Systems Performance Index, Heat Removal System | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)                                       | -4.70E-09 | -5.40E-09 | -5.40E-09 | -5.40E-09 | -5.40E-09 | -4.50E-09 | -4.50E-09 | -2.39E-09 |
| URI ( $\Delta$ CDF)                                       | -7.60E-09 | -7.60E-09 | -7.70E-09 | -6.60E-09 | -6.60E-09 | -5.60E-11 | -1.30E-10 | -1.95E-10 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -1.23E-08 | -1.30E-08 | -1.31E-08 | -1.20E-08 | -1.20E-08 | -4.56E-09 | -4.63E-09 | -2.60E-09 |

## Licensee Comments:

1Q/10: Changed PRA Parameter(s). PRA inputs for unavailability monitoring were changed to correct basic events values used for the calculation of the Fussell-Vesely / basic event probability ratio. It was identified that the maintenance unavailability basic events in the PRA are not logically equivalent to demand failure basic events. This was corrected by considering only the maintenance unavailability basic events. The resulting change in the unavailability index was minimal, and all indicators remain Green. This issue has been entered into the corrective action program.

# Mitigating Systems Performance Index, Residual Heat Removal System



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

## Notes

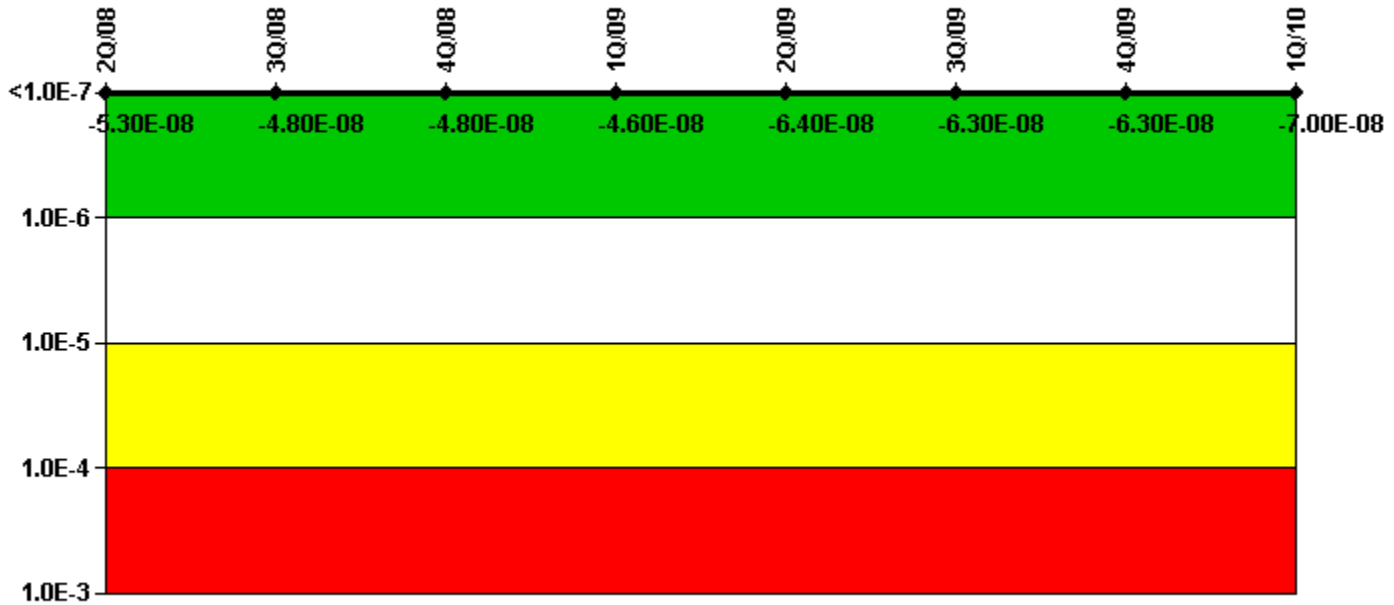
| Mitigating Systems Performance Index, Residual Heat Removal System | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | -5.70E-08 | -5.60E-08 | -5.80E-08 | -5.80E-08 | -5.80E-08 | -5.80E-08 | -5.80E-08 | -4.99E-08 |
| URI ( $\Delta$ CDF)  | -8.30E-08 | -8.50E-08 | -8.60E-08 | -7.90E-08 | -8.00E-08 | -8.20E-08 | -8.30E-08 | -8.44E-08 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | -1.40E-07 | -1.41E-07 | -1.44E-07 | -1.37E-07 | -1.38E-07 | -1.40E-07 | -1.41E-07 | -1.30E-07 |

## Licensee Comments:

1Q/10: Changed PRA Parameter(s). PRA inputs for unavailability monitoring were changed to correct basic event values used for the calculation of the Fussell-Vesely / basic event probability ratio. It was identified that the maintenance unavailability basic events in the PRA are not logically equivalent to demand failure basic events. This was corrected by considering only the maintenance unavailability basic events. The resulting change in the unavailability index was minimal, and all indicators remain Green. This issue has been entered into the corrective action program.



# Mitigating Systems Performance Index, Cooling Water Systems



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

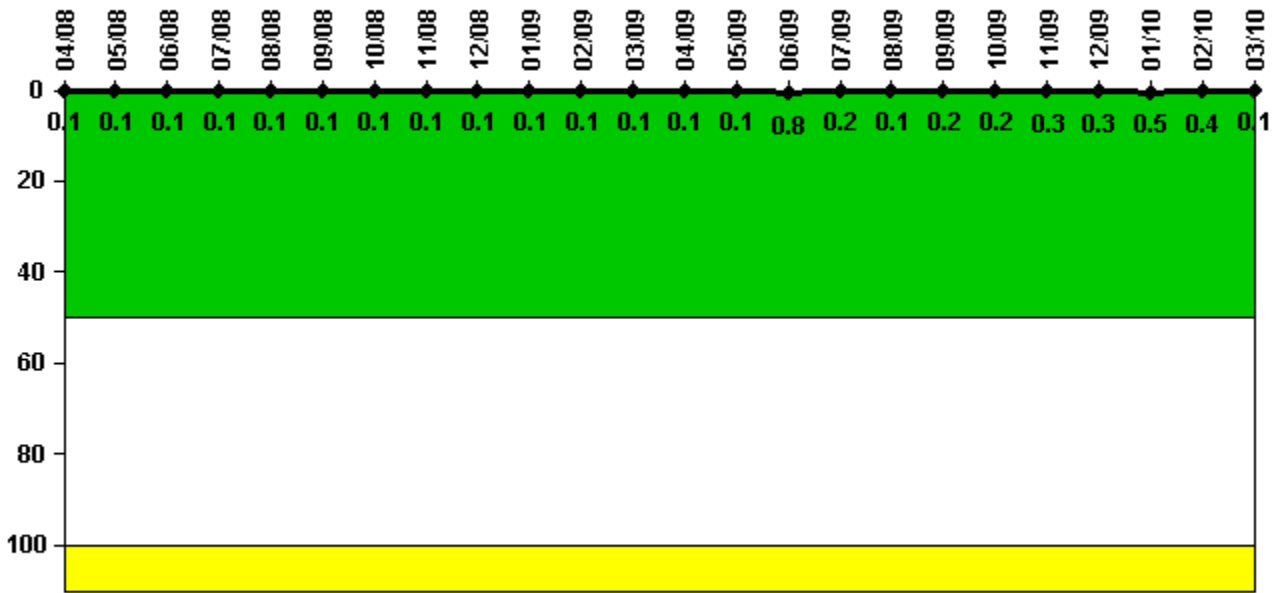
## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 2Q/08     | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | 5.70E-08  | 6.20E-08  | 6.20E-08  | 6.40E-08  | 4.60E-08  | 4.70E-08  | 4.70E-08  | 3.40E-08  |
| URI ( $\Delta$ CDF)   | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.10E-07 | -1.04E-07 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -5.30E-08 | -4.80E-08 | -4.80E-08 | -4.60E-08 | -6.40E-08 | -6.30E-08 | -6.30E-08 | -7.00E-08 |

## Licensee Comments:

1Q/10: Changed PRA Parameter(s). PRA inputs for unavailability monitoring were changed to correct basic events values used for the calculation of the Fussell-Vesely / basic event probability ratio. It was identified that the maintenance unavailability basic events in the PRA are not logically equivalent to demand failure basic events. This was corrected by considering only the maintenance unavailability basic events. The resulting change in the unavailability index was minimal, and all indicators remain Green. This issue has been entered into the corrective action program.

# Reactor Coolant System Activity



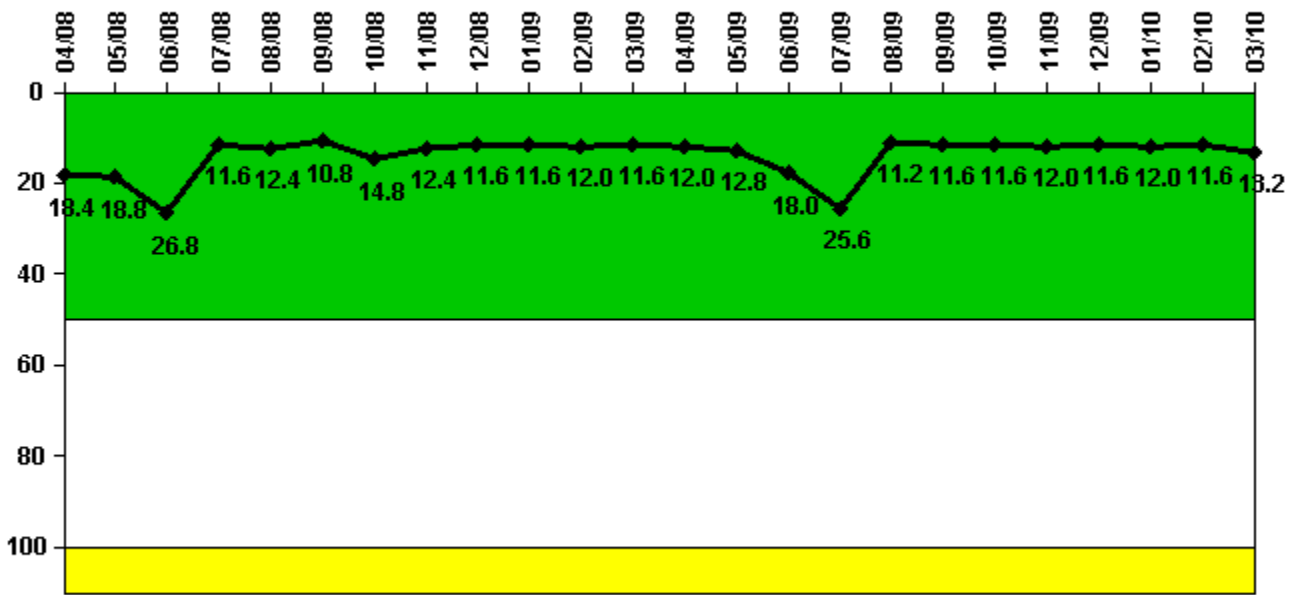
Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Activity | 4/08     | 5/08     | 6/08     | 7/08     | 8/08     | 9/08     | 10/08    | 11/08    | 12/08    | 1/09     | 2/09     | 3/09     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000270 | 0.000267 | 0.000260 | 0.000253 | 0.000257 | 0.000280 | 0.000214 | 0.000219 | 0.000231 | 0.000218 | 0.000259 | 0.000213 |
| Technical specification limit   | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Indicator value                 | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      | 0.1      |
| Reactor Coolant System Activity | 4/09     | 5/09     | 6/09     | 7/09     | 8/09     | 9/09     | 10/09    | 11/09    | 12/09    | 1/10     | 2/10     | 3/10     |
| Maximum activity                | 0.000199 | 0.000200 | 0.001510 | 0.000446 | 0.000257 | 0.000426 | 0.000451 | 0.000584 | 0.000669 | 0.000934 | 0.000745 | 0.000236 |
| Technical specification limit   | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      | 0.2      |
| Indicator value                 | 0.1      | 0.1      | 0.8      | 0.2      | 0.1      | 0.2      | 0.2      | 0.3      | 0.3      | 0.5      | 0.4      | 0.1      |

Licensee Comments: none

## Reactor Coolant System Leakage



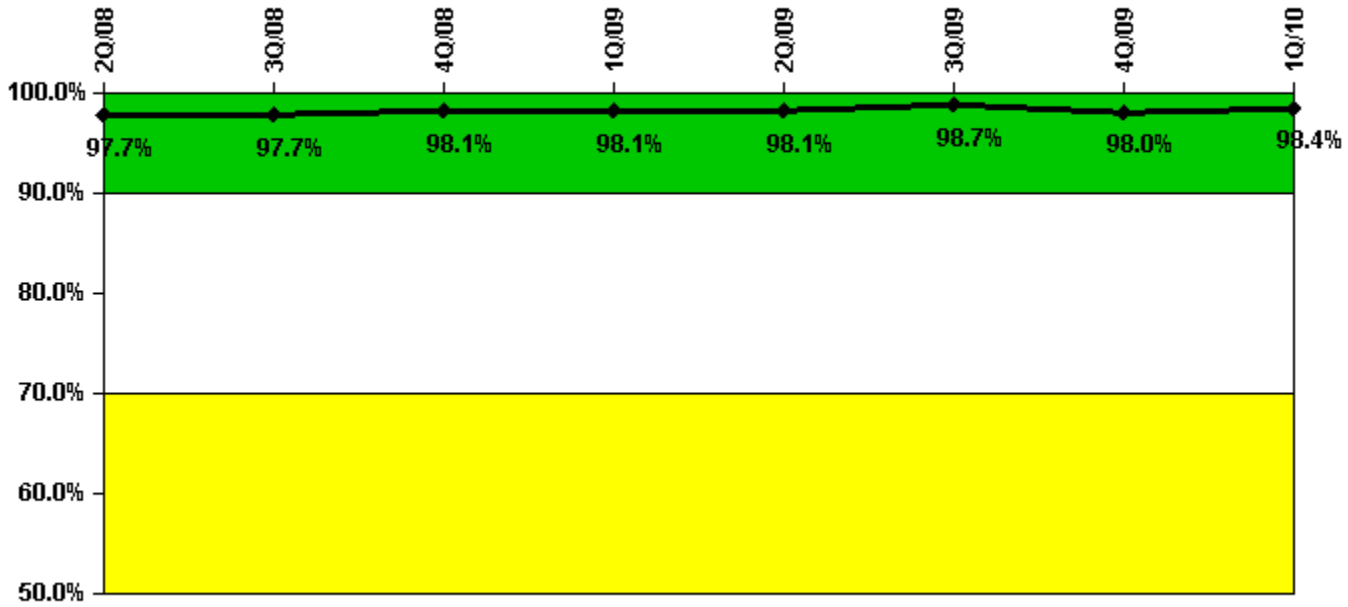
Thresholds: White > 50.0 Yellow > 100.0

### Notes

|                                |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reactor Coolant System Leakage | 4/08  | 5/08  | 6/08  | 7/08  | 8/08  | 9/08  | 10/08 | 11/08 | 12/08 | 1/09  | 2/09  | 3/09  |
| Maximum leakage                | 4.600 | 4.700 | 6.700 | 2.900 | 3.100 | 2.700 | 3.700 | 3.100 | 2.900 | 2.900 | 3.000 | 2.900 |
| Technical specification limit  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  |
| Indicator value                | 18.4  | 18.8  | 26.8  | 11.6  | 12.4  | 10.8  | 14.8  | 12.4  | 11.6  | 11.6  | 12.0  | 11.6  |
| Reactor Coolant System Leakage | 4/09  | 5/09  | 6/09  | 7/09  | 8/09  | 9/09  | 10/09 | 11/09 | 12/09 | 1/10  | 2/10  | 3/10  |
| Maximum leakage                | 3.000 | 3.200 | 4.500 | 6.400 | 2.800 | 2.900 | 2.900 | 3.000 | 2.900 | 3.000 | 2.900 | 3.300 |
| Technical specification limit  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  | 25.0  |
| Indicator value                | 12.0  | 12.8  | 18.0  | 25.6  | 11.2  | 11.6  | 11.6  | 12.0  | 11.6  | 12.0  | 11.6  | 13.2  |

Licensee Comments: none

## Drill/Exercise Performance



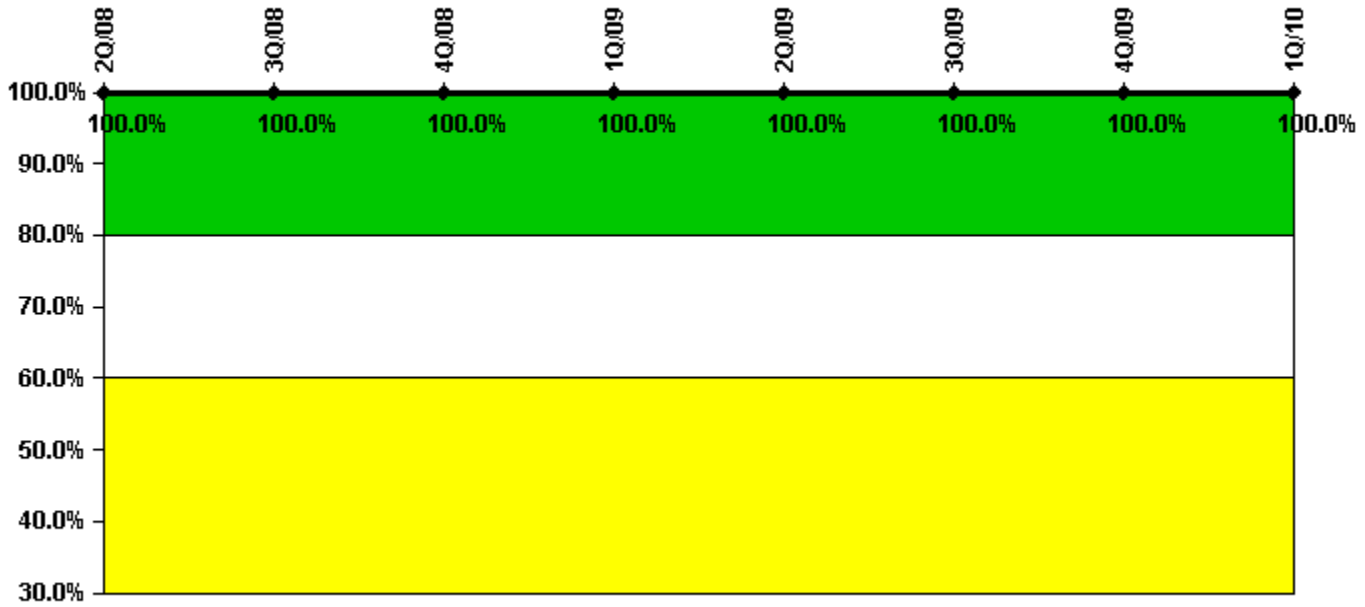
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 49.0  | 36.0  | 50.0  | 20.0  | 44.0  | 48.0  | 44.0  | 20.0  |
| Total opportunities        | 52.0  | 36.0  | 50.0  | 20.0  | 44.0  | 48.0  | 46.0  | 20.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 97.7% | 97.7% | 98.1% | 98.1% | 98.1% | 98.7% | 98.0% | 98.4% |

Licensee Comments: none

## ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

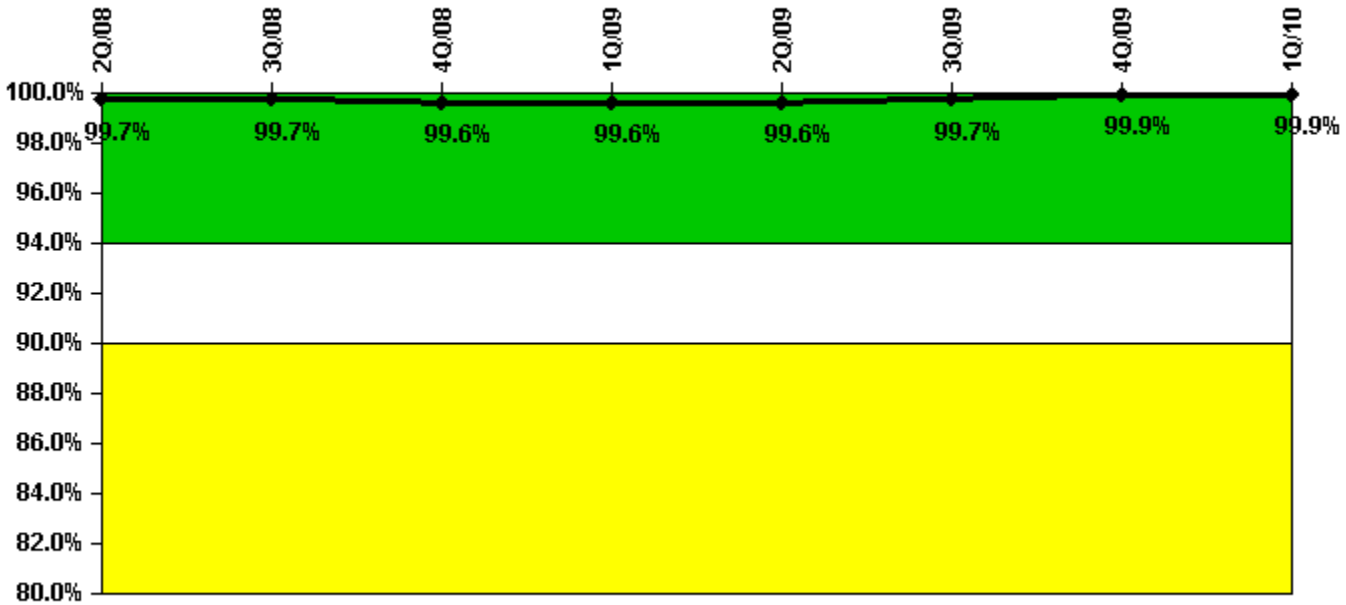
### Notes

| ERO Drill Participation     | 2Q/08  | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  | 3Q/09  | 4Q/09  | 1Q/10  |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Participating Key personnel | 67.0   | 67.0   | 68.0   | 65.0   | 66.0   | 68.0   | 68.0   | 70.0   |
| Total Key personnel         | 67.0   | 67.0   | 68.0   | 65.0   | 66.0   | 68.0   | 68.0   | 70.0   |
|                             |        |        |        |        |        |        |        |        |
| Indicator value             | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Licensee Comments: none

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# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

| Alert & Notification System | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 3196  | 3235  | 3169  | 3144  | 3199  | 3246  | 3198  | 2139  |
| Total sirens-tests          | 3200  | 3246  | 3200  | 3150  | 3200  | 3250  | 3200  | 2142  |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 99.7% | 99.7% | 99.6% | 99.6% | 99.6% | 99.7% | 99.9% | 99.9% |

Licensee Comments:

1Q/10: On 1/1/10, LaSalle Station implemented a new FEMA-approved siren plan, which reduced the number of sirens from 50 to 34. The decrease in the number of monthly siren tests reflects the reduction in sirens.

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 2Q/08    | 3Q/08    | 4Q/08    | 1Q/09    | 2Q/09    | 3Q/09    | 4Q/09    | 1Q/10    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

[Security](#) information not publicly available.