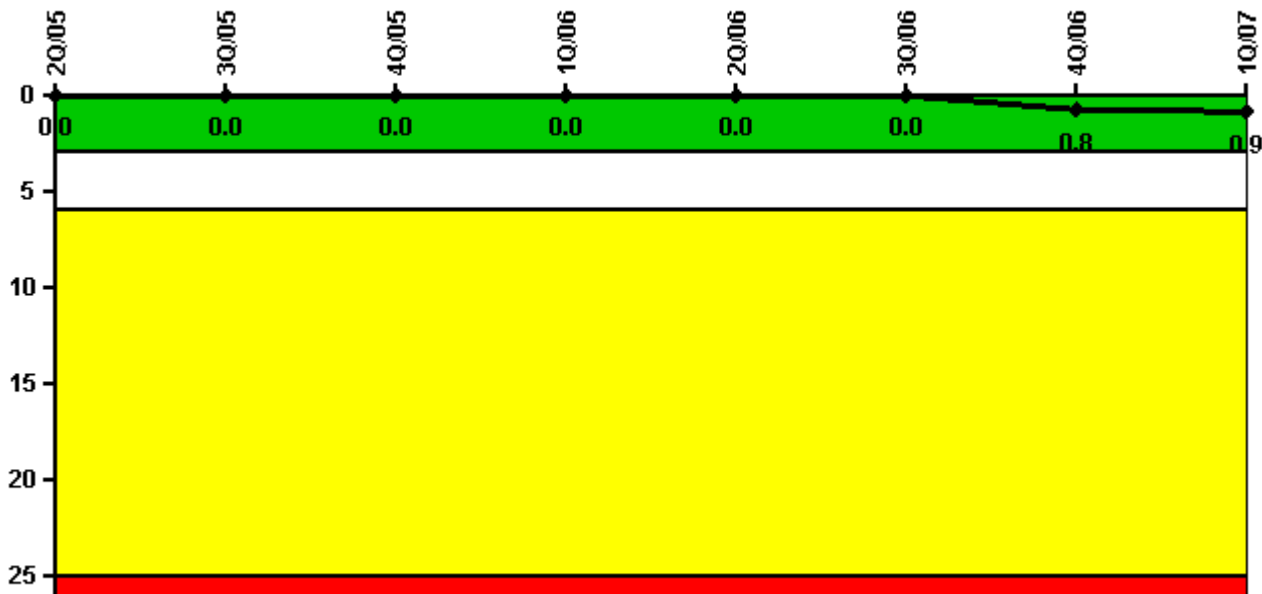


# Duane Arnold

## 1Q/2007 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/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  | 1Q/07  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 0      | 0      | 0      | 0      | 1.0    | 0      |
| Critical hours                         | 1438.1 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 2208.0 | 2135.5 | 1169.6 |
| Indicator value                        | 0      | 0      | 0      | 0      | 0      | 0      | 0.8    | 0.9    |

Licensee Comments: none

## Scrams with Loss of Normal Heat Removal



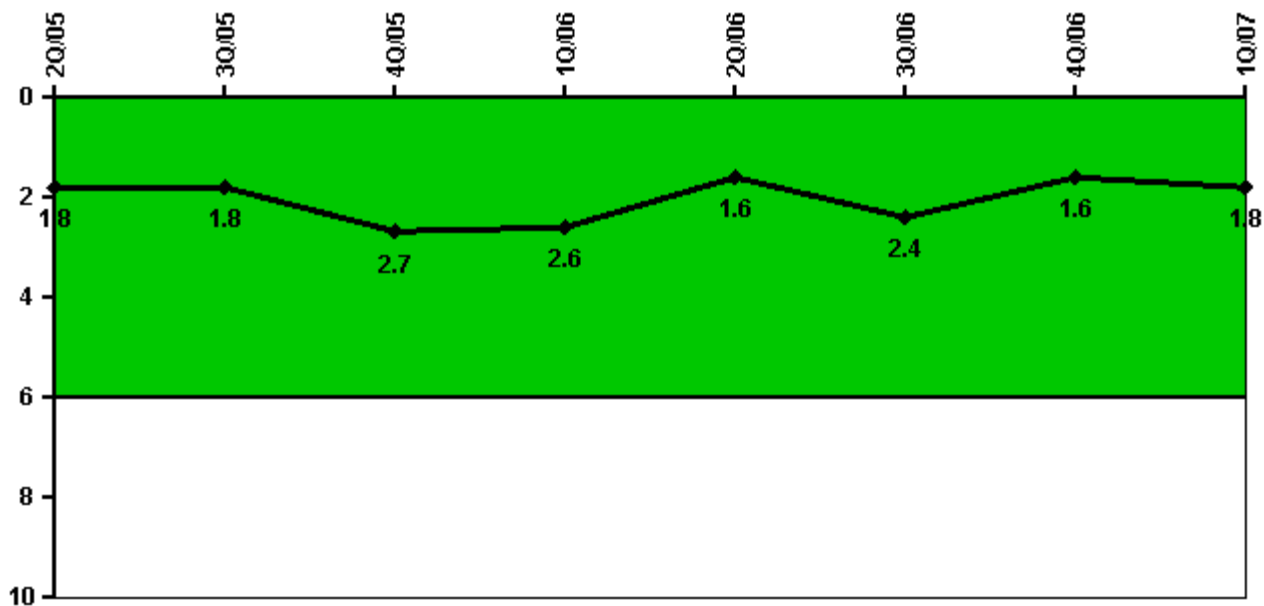
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

### Notes

| Scrams with Loss of Normal Heat Removal | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams                                  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



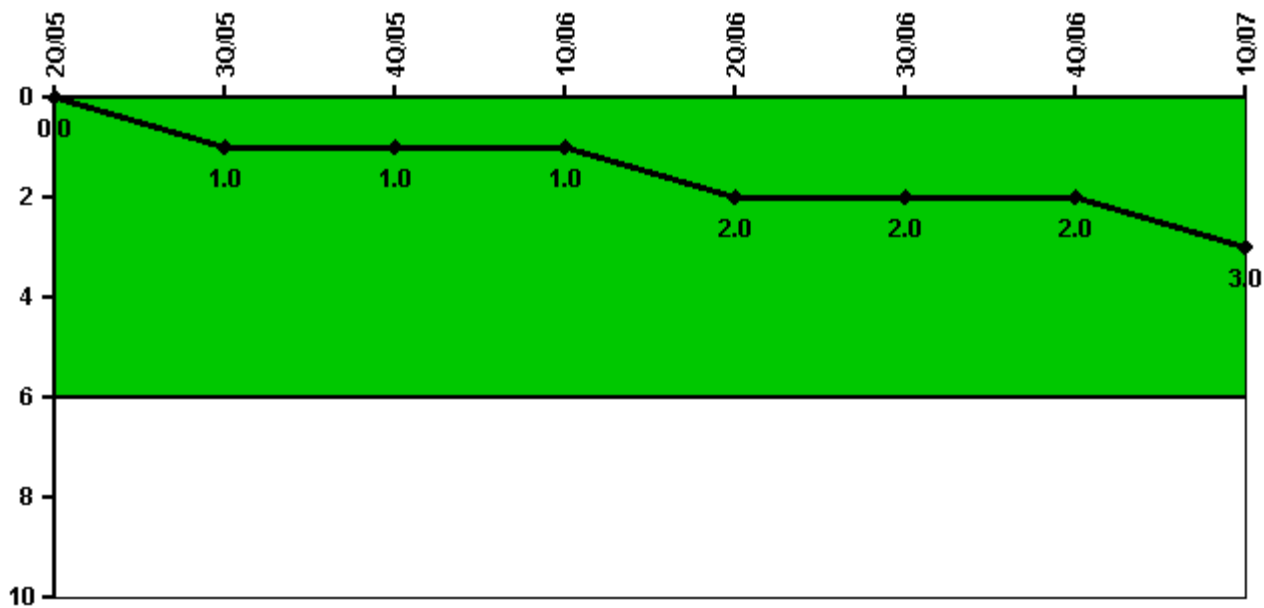
Thresholds: White > 6.0

### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/05  | 3Q/05  | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  | 1Q/07  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 2.0    | 0      | 1.0    | 0      | 1.0    | 1.0    | 0      | 0      |
| Critical hours                                | 1438.1 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 2208.0 | 2135.5 | 1169.6 |
| Indicator value                               | 1.8    | 1.8    | 2.7    | 2.6    | 1.6    | 2.4    | 1.6    | 1.8    |

Licensee Comments: none

## Safety System Functional Failures (BWR)



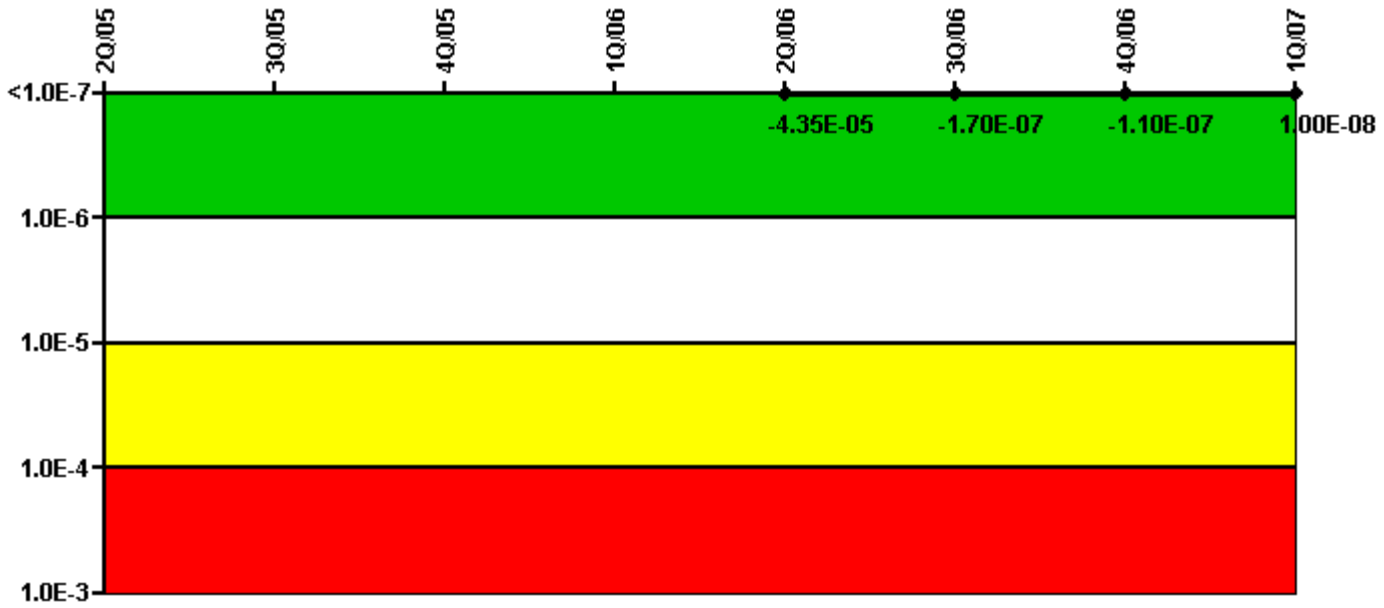
Thresholds: White > 6.0

### Notes

| Safety System Functional Failures (BWR) | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Safety System Functional Failures       | 0     | 1     | 0     | 0     | 1     | 1     | 0     | 1     |
| Indicator value                         | 0     | 1     | 1     | 1     | 2     | 2     | 2     | 3     |

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



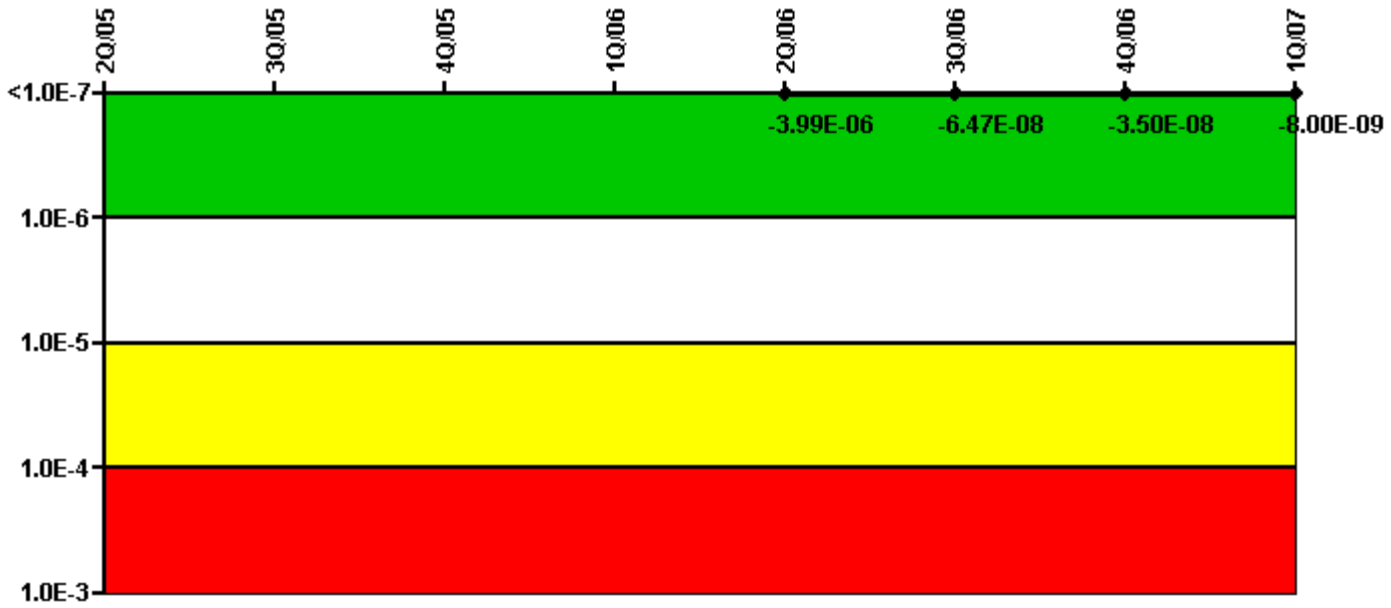
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     |
|---|-------|-------|-------|-------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       |       |       | 4.60E-07  | 4.40E-07  | 5.00E-07  | 6.20E-07  |
| URI (ΔCDF)  |       |       |       |       | -4.40E-05 | -6.10E-07 | -6.10E-07 | -6.10E-07 |
| PLE   |       |       |       |       | NO        | NO        | NO        | NO        |
| Indicator value   |       |       |       |       | -4.35E-05 | -1.70E-07 | -1.10E-07 | 1.00E-08  |

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



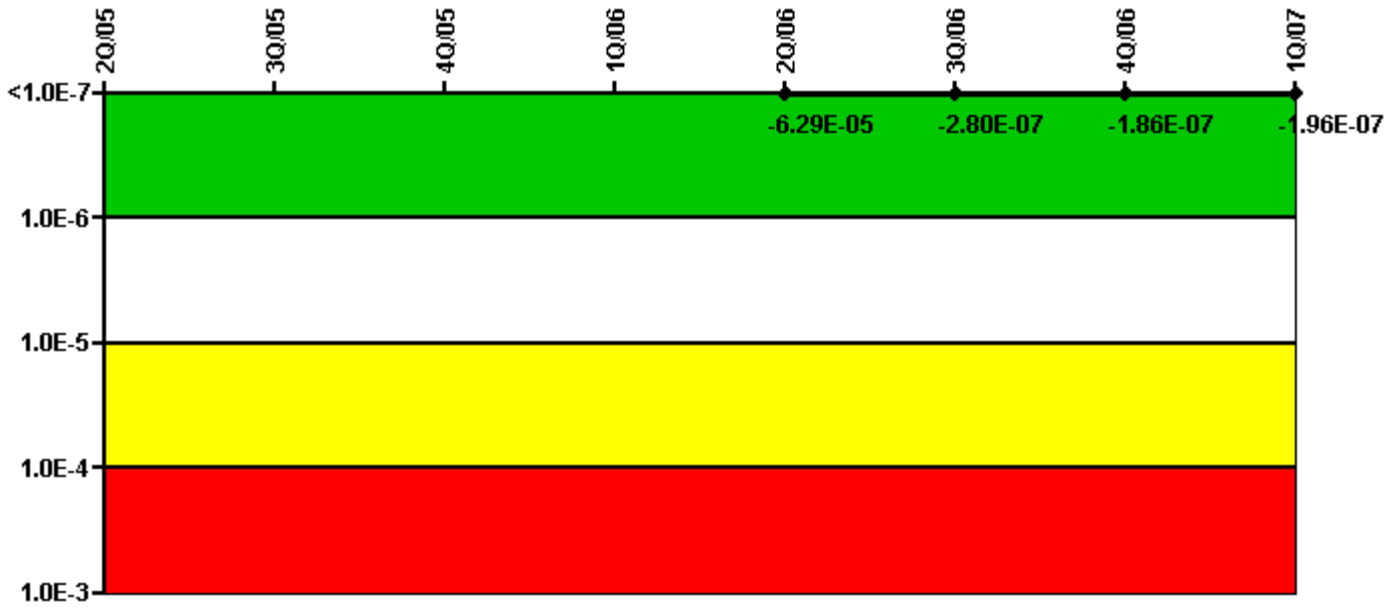
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     |
|--|-------|-------|-------|-------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       |       |       | 1.30E-08  | 6.30E-09  | 3.60E-08  | 6.30E-08  |
| URI ( $\Delta$ CDF)  |       |       |       |       | -4.00E-06 | -7.10E-08 | -7.10E-08 | -7.10E-08 |
| PLE  |       |       |       |       | NO        | NO        | NO        | NO        |
| Indicator value  |       |       |       |       | -3.99E-06 | -6.47E-08 | -3.50E-08 | -8.00E-09 |

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



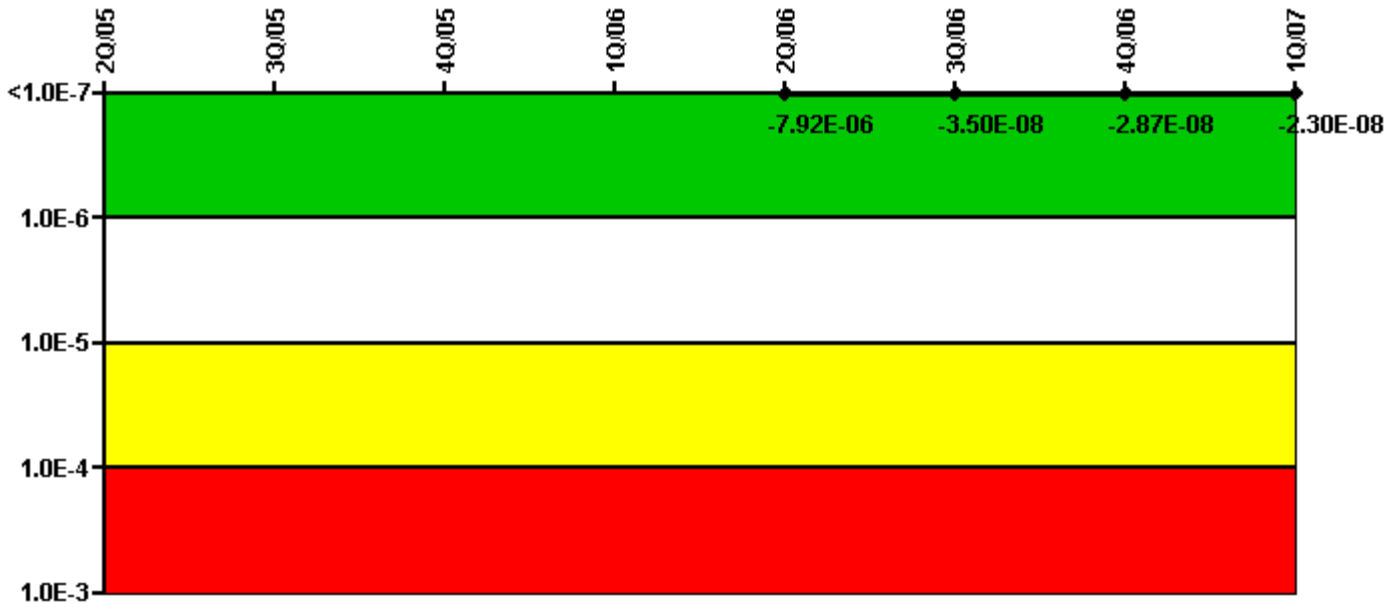
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     |
|---|-------|-------|-------|-------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)                                       |       |       |       |       | 6.40E-08  | -1.30E-07 | -1.10E-07 | -1.20E-07 |
| URI ( $\Delta$ CDF)                                       |       |       |       |       | -6.30E-05 | -1.50E-07 | -7.60E-08 | -7.60E-08 |
| PLE   |       |       |       |       | NO        | NO        | NO        | NO        |
| Indicator value   |       |       |       |       | -6.29E-05 | -2.80E-07 | -1.86E-07 | -1.96E-07 |

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

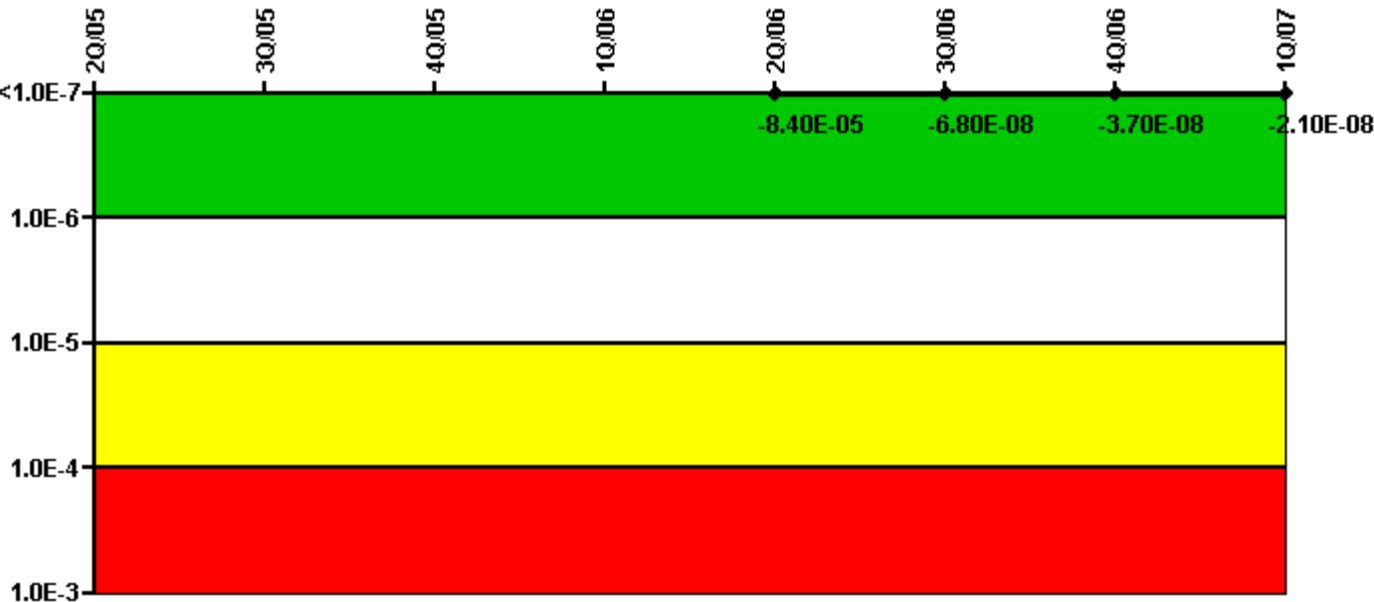
## Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     |
|--|-------|-------|-------|-------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       |       |       | -2.00E-08 | 0.00E+00  | 6.30E-09  | 1.20E-08  |
| URI ( $\Delta$ CDF)  |       |       |       |       | -7.90E-06 | -3.50E-08 | -3.50E-08 | -3.50E-08 |
| PLE  |       |       |       |       | NO        | NO        | NO        | NO        |
| Indicator value  |       |       |       |       | -7.92E-06 | -3.50E-08 | -2.87E-08 | -2.30E-08 |

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



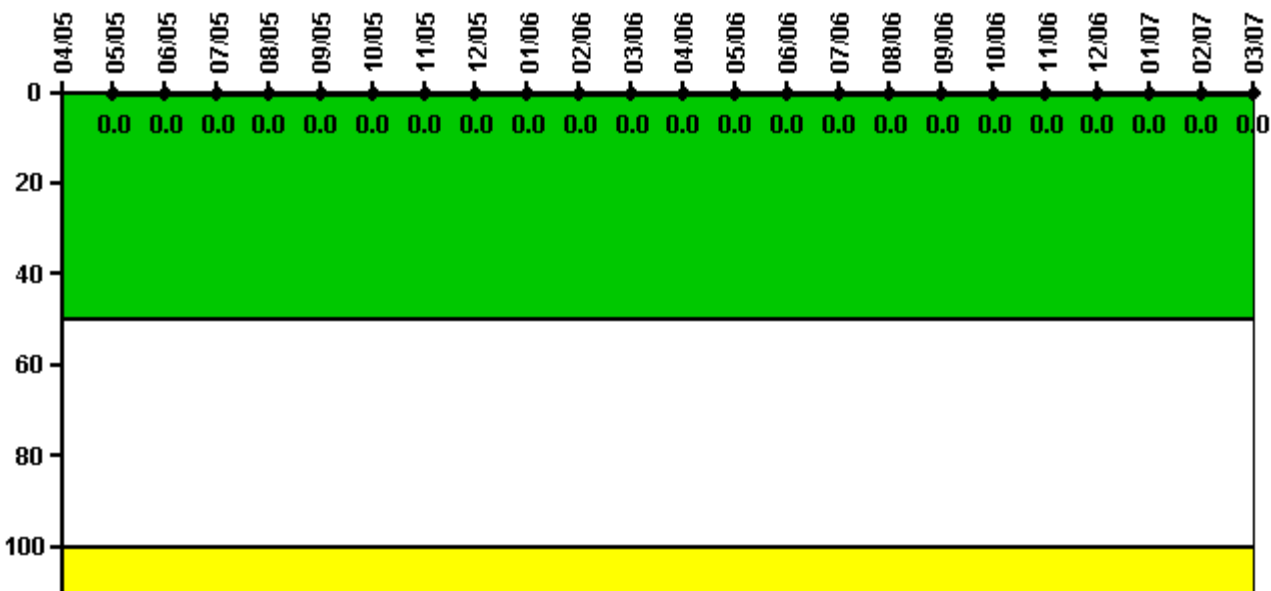
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     |
|---|-------|-------|-------|-------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       |       |       | 8.50E-09  | 1.30E-08  | 4.40E-08  | 6.00E-08  |
| URI (ΔCDF)  |       |       |       |       | -8.40E-05 | -8.10E-08 | -8.10E-08 | -8.10E-08 |
| PLE   |       |       |       |       | NO        | NO        | NO        | NO        |
| Indicator value   |       |       |       |       | -8.40E-05 | -6.80E-08 | -3.70E-08 | -2.10E-08 |

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

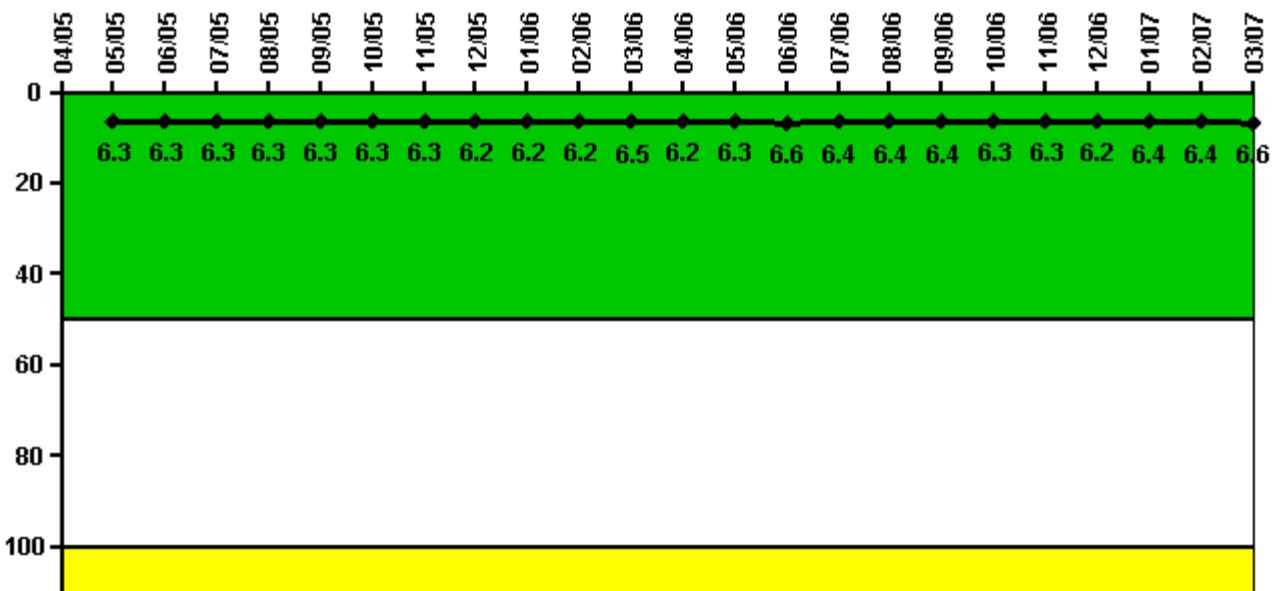
| Reactor Coolant System Activity | 4/05 | 5/05 | 6/05 | 7/05 | 8/05 | 9/05     | 10/05 | 11/05 | 12/05    | 1/06 | 2/06 | 3/06 |
|---------------------------------|------|------|------|------|------|----------|-------|-------|----------|------|------|------|
| Maximum activity                | N/A  | 0    | 0    | 0    | 0    | 0.000006 | 0     | 0     | 0.000003 | 0    | 0    | 0    |
| 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                 | N/A  | 0    | 0    | 0    | 0    | 0        | 0     | 0     | 0        | 0    | 0    | 0    |

| Reactor Coolant System Activity | 4/06 | 5/06 | 6/06 | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 | 1/07 | 2/07 | 3/07 |
|---------------------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|
| Maximum activity                | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    |
| 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    | 0    | 0    | 0    | 0    | 0    | 0     | 0     | 0     | 0    | 0    | 0    |

Licensee Comments: none

# Reactor Coolant System Leakage



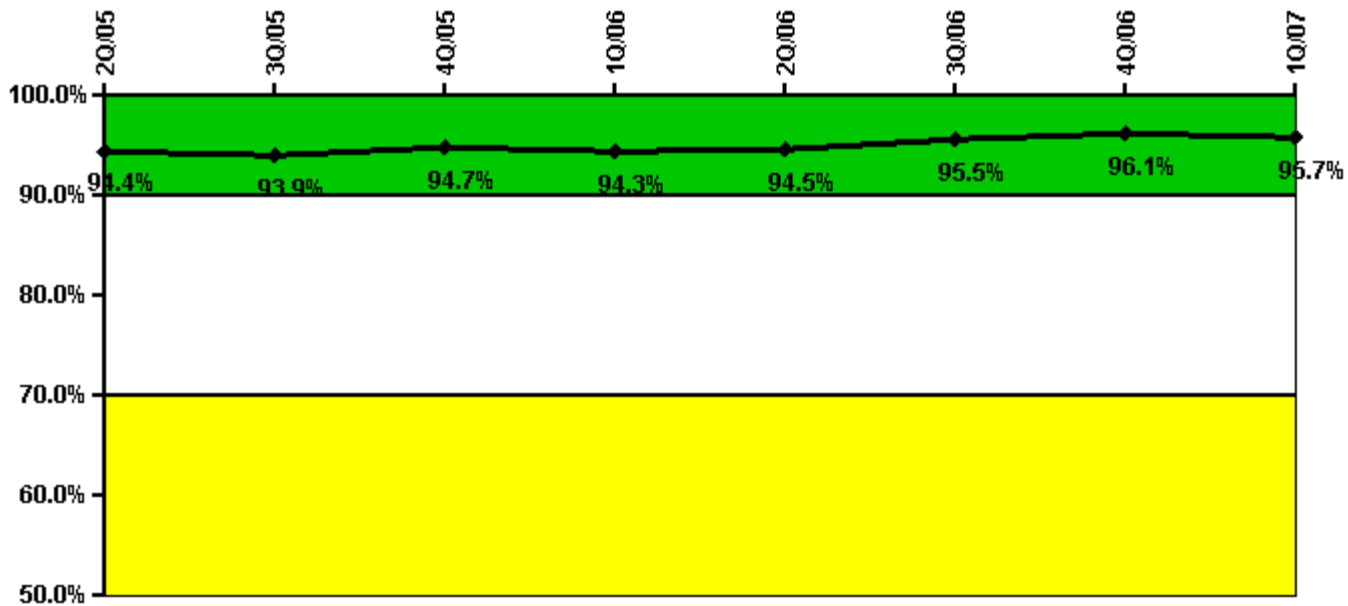
Thresholds: White > 50.0 Yellow > 100.0

## Notes

|                                       |            |            |            |            |            |            |            |            |            |            |            |            |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Reactor Coolant System Leakage</b> | 4/05       | 5/05       | 6/05       | 7/05       | 8/05       | 9/05       | 10/05      | 11/05      | 12/05      | 1/06       | 2/06       | 3/06       |
| Maximum leakage                       | N/A        | 1.570      | 1.580      | 1.570      | 1.570      | 1.580      | 1.580      | 1.570      | 1.550      | 1.550      | 1.550      | 1.620      |
| 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       |
| <b>Indicator value</b>                | <b>N/A</b> | <b>6.3</b> | <b>6.3</b> | <b>6.3</b> | <b>6.3</b> | <b>6.3</b> | <b>6.3</b> | <b>6.3</b> | <b>6.2</b> | <b>6.2</b> | <b>6.2</b> | <b>6.5</b> |
| <b>Reactor Coolant System Leakage</b> | 4/06       | 5/06       | 6/06       | 7/06       | 8/06       | 9/06       | 10/06      | 11/06      | 12/06      | 1/07       | 2/07       | 3/07       |
| Maximum leakage                       | 1.560      | 1.570      | 1.650      | 1.600      | 1.590      | 1.600      | 1.570      | 1.580      | 1.560      | 1.590      | 1.600      | 1.660      |
| 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       |
| <b>Indicator value</b>                | <b>6.2</b> | <b>6.3</b> | <b>6.6</b> | <b>6.4</b> | <b>6.4</b> | <b>6.4</b> | <b>6.3</b> | <b>6.3</b> | <b>6.2</b> | <b>6.4</b> | <b>6.4</b> | <b>6.6</b> |

Licensee Comments: none

## Drill/Exercise Performance



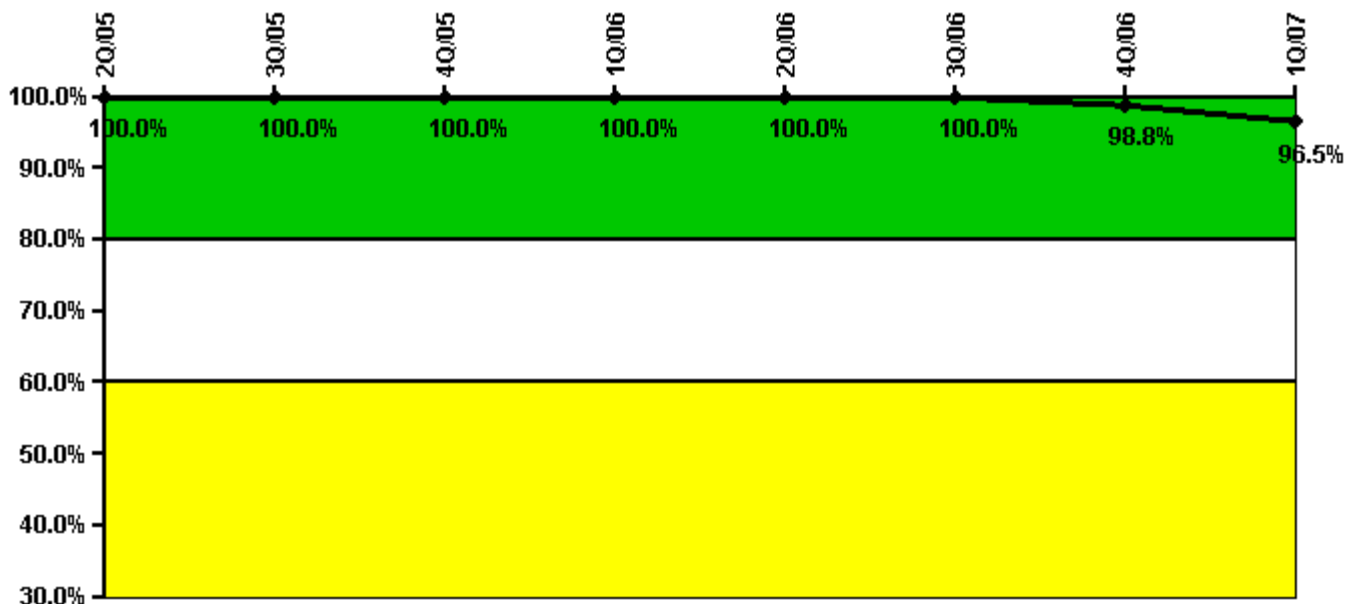
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 2Q/05        | 3Q/05        | 4Q/05        | 1Q/06        | 2Q/06        | 3Q/06        | 4Q/06        | 1Q/07        |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Successful opportunities   | 27.0         | 22.0         | 48.0         | 33.0         | 51.0         | 62.0         | 24.0         | 0            |
| Total opportunities        | 31.0         | 24.0         | 48.0         | 35.0         | 55.0         | 62.0         | 24.0         | 0            |
|                            |              |              |              |              |              |              |              |              |
| <b>Indicator value</b>     | <b>94.4%</b> | <b>93.9%</b> | <b>94.7%</b> | <b>94.3%</b> | <b>94.5%</b> | <b>95.5%</b> | <b>96.1%</b> | <b>95.7%</b> |

Licensee Comments: none

# ERO Drill Participation



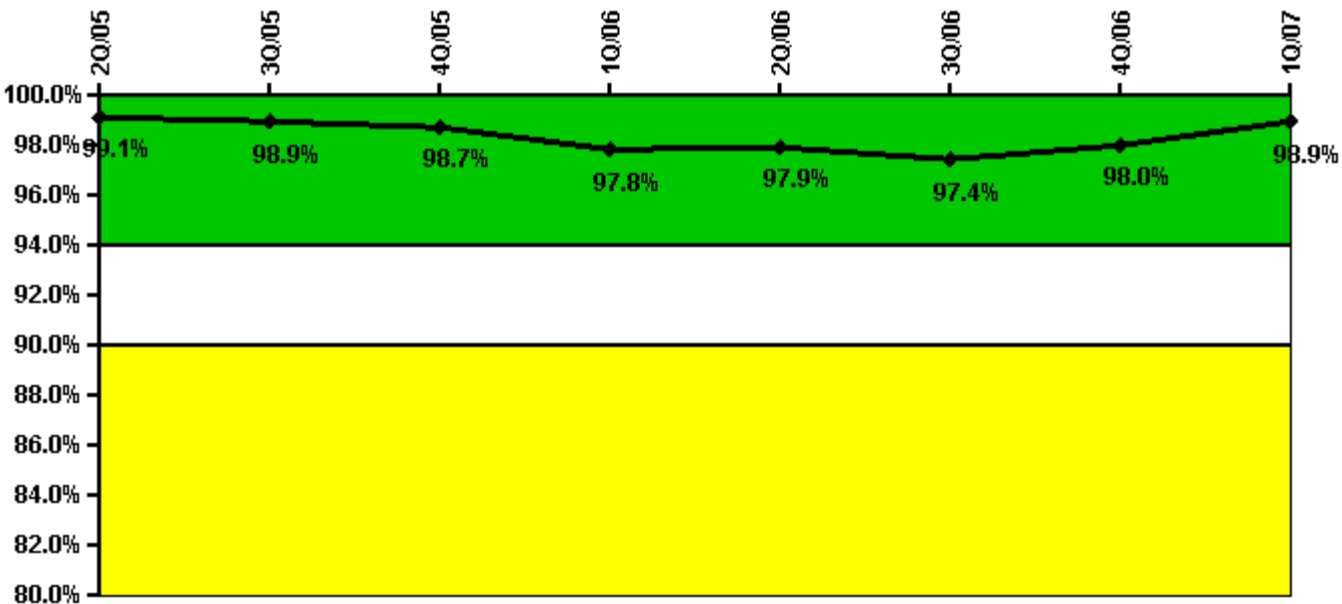
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation     | 2Q/05         | 3Q/05         | 4Q/05         | 1Q/06         | 2Q/06         | 3Q/06         | 4Q/06        | 1Q/07        |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|
| Participating Key personnel | 90.0          | 88.0          | 86.0          | 88.0          | 90.0          | 88.0          | 83.0         | 82.0         |
| Total Key personnel         | 90.0          | 88.0          | 86.0          | 88.0          | 90.0          | 88.0          | 84.0         | 85.0         |
|                             |               |               |               |               |               |               |              |              |
| <b>Indicator value</b>      | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>100.0%</b> | <b>98.8%</b> | <b>96.5%</b> |

Licensee Comments: none

# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

| Alert & Notification System | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      | 427   | 422   | 418   | 412   | 428   | 414   | 428   | 427   |
| Total sirens-tests          | 429   | 429   | 429   | 429   | 429   | 429   | 429   | 429   |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             | 99.1% | 98.9% | 98.7% | 97.8% | 97.9% | 97.4% | 98.0% | 98.9% |

Licensee Comments: none

# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 2Q/05    | 3Q/05    | 4Q/05    | 1Q/06    | 2Q/06    | 3Q/06    | 4Q/06    | 1Q/07    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| 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/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| RETS/ODCM occurrences           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Indicator value                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |

Licensee Comments: none

[Physical Protection](#) information not publicly available.

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

Last Modified: June 1, 2007