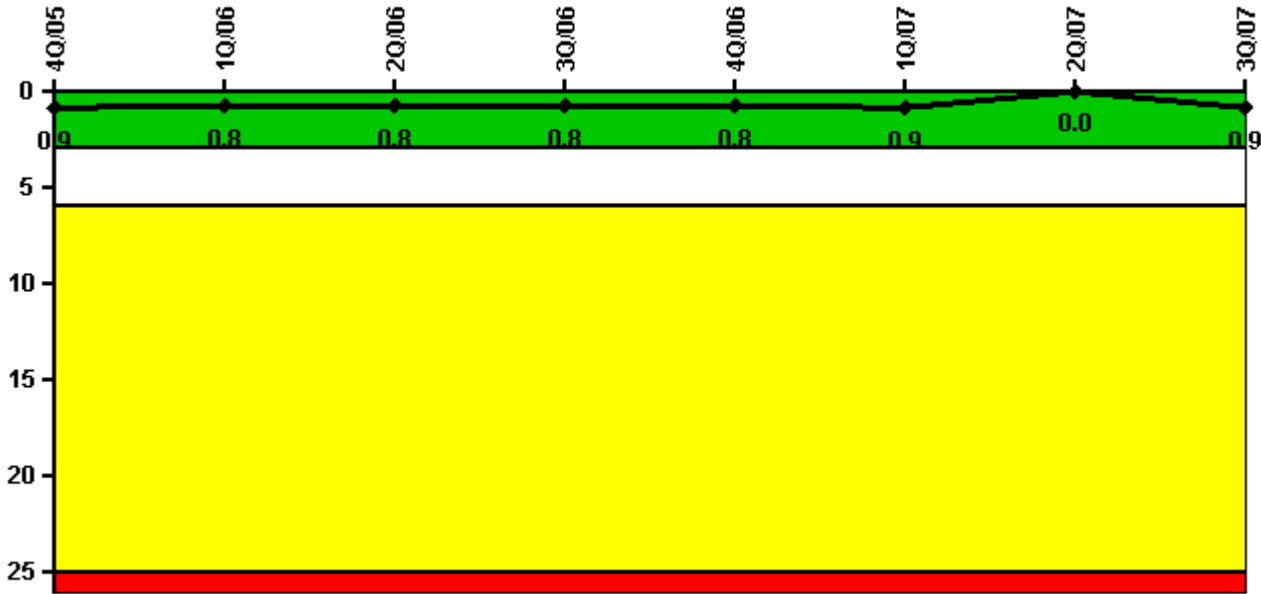


# Hatch 2

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



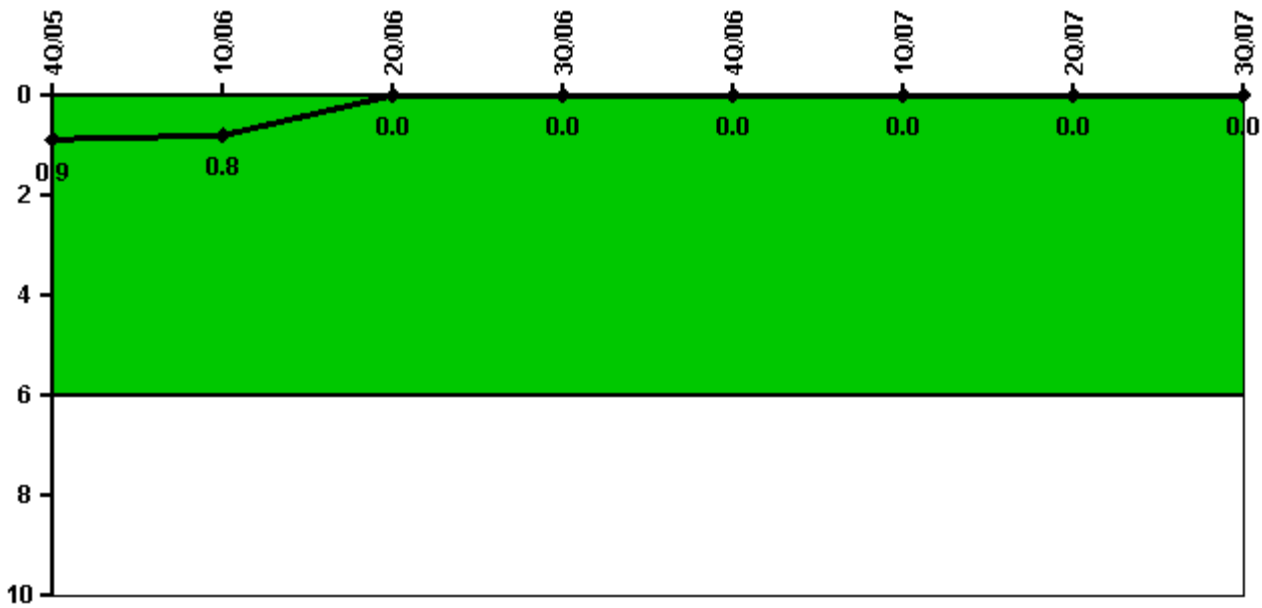
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  | 1Q/07  | 2Q/07  | 3Q/07  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 0      | 0      | 1.0    | 0      | 0      | 0      | 0      | 1.0    |
| Critical hours                         | 2209.0 | 2160.0 | 2141.8 | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 |
| Indicator value                        | 0.9    | 0.8    | 0.8    | 0.8    | 0.8    | 0.9    | 0      | 0.9    |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



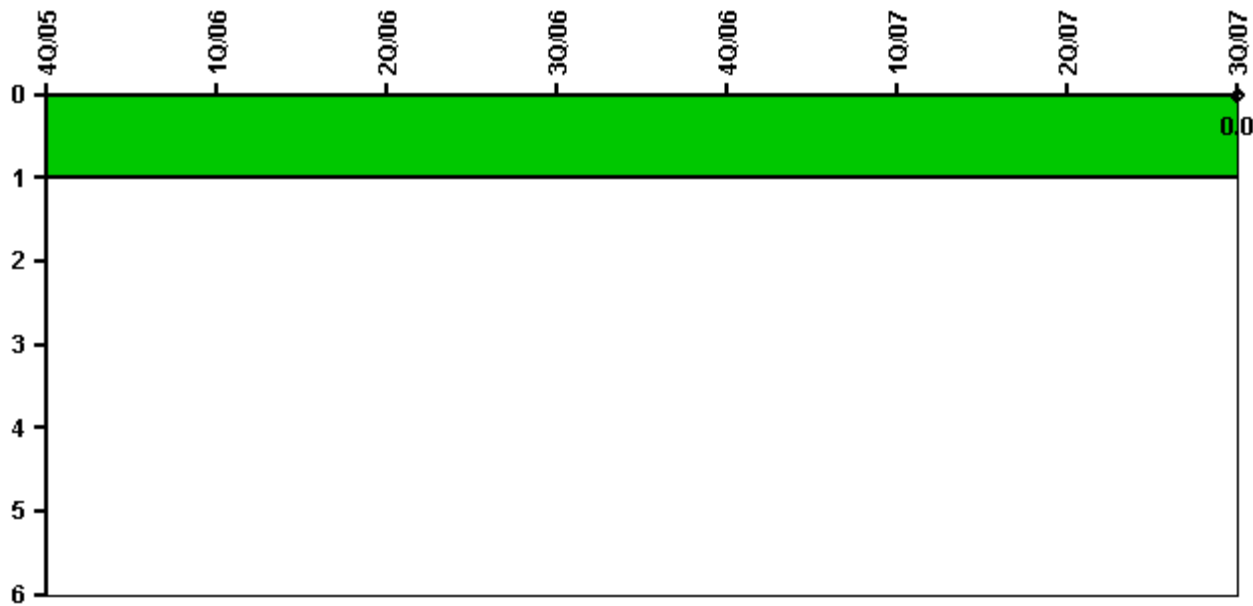
Thresholds: White > 6.0

### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/05  | 1Q/06  | 2Q/06  | 3Q/06  | 4Q/06  | 1Q/07  | 2Q/07  | 3Q/07  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Critical hours                                | 2209.0 | 2160.0 | 2141.8 | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 |
| Indicator value                               | 0.9    | 0.8    | 0      | 0      | 0      | 0      | 0      | 0      |

Licensee Comments: none

# Unplanned Scrams with Complications



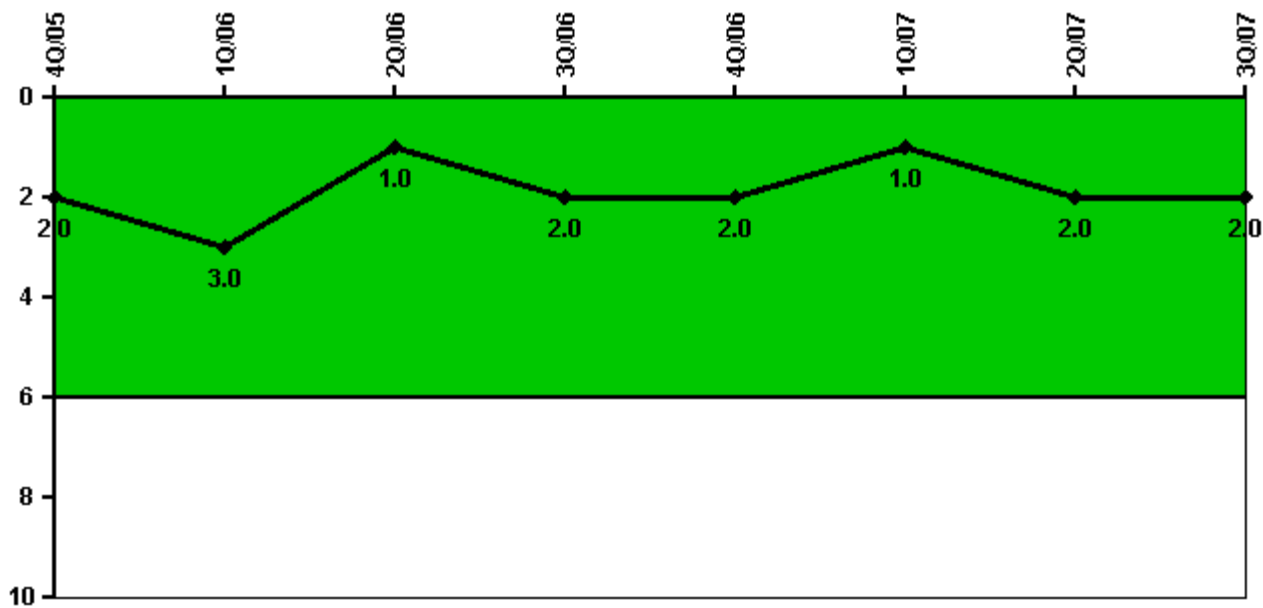
Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Scrams with complications           |       |       |       |       | 0     | 0     | 0     | 0     |
|                                     |       |       |       |       |       |       |       |       |
| Indicator value                     |       |       |       |       |       |       |       | 0.0   |

Licensee Comments: none

## Safety System Functional Failures (BWR)



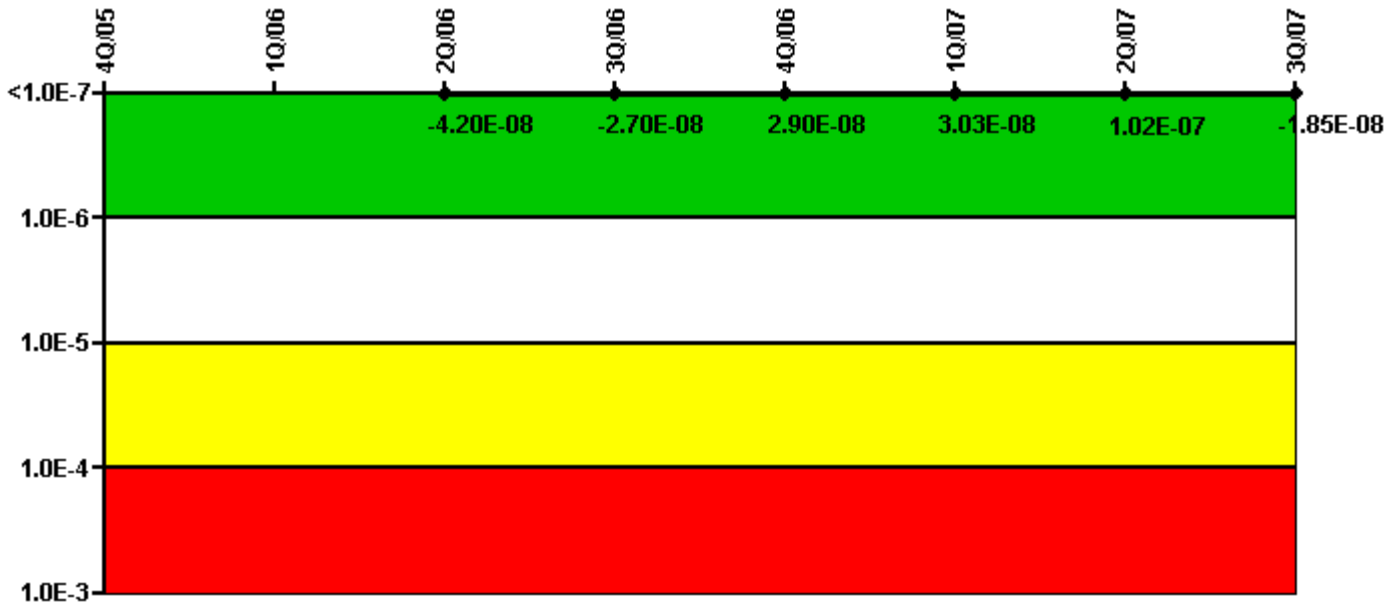
Thresholds: White > 6.0

### Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



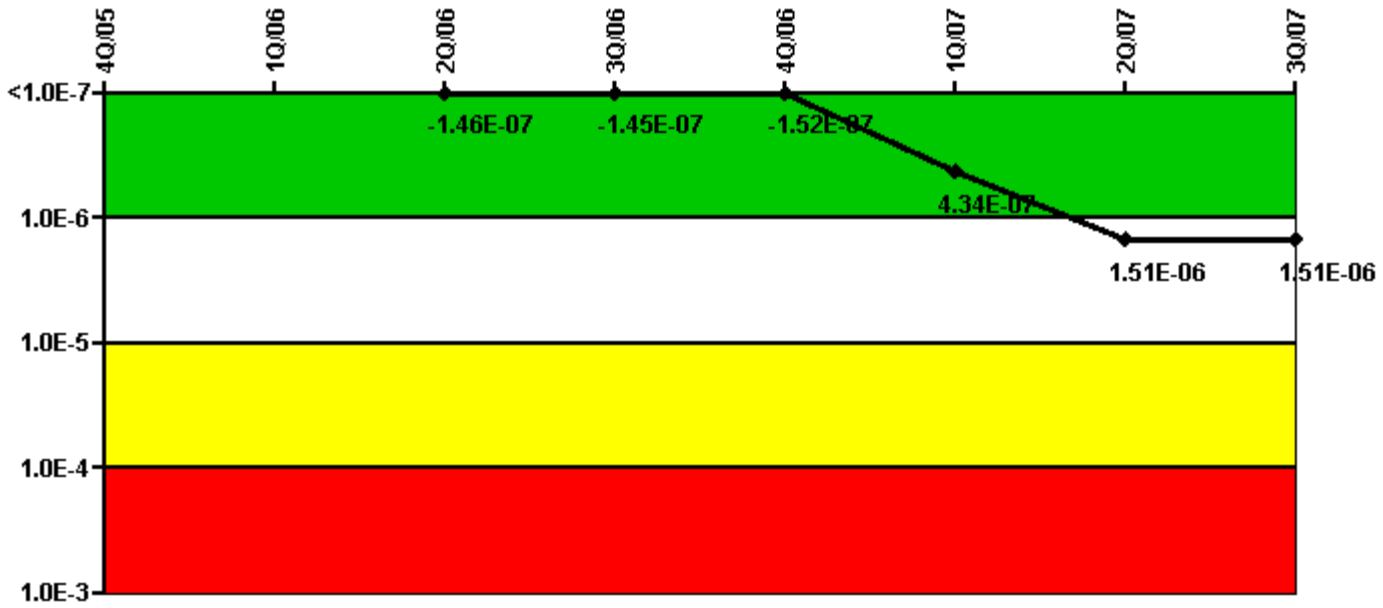
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06    | 1Q/07    | 2Q/07    | 3Q/07     |
|---|-------|-------|-----------|-----------|----------|----------|----------|-----------|
| UAI ( $\Delta$ CDF)   |       |       | 3.70E-08  | 5.00E-08  | 1.20E-08 | 8.30E-09 | 2.90E-08 | 3.50E-09  |
| URI ( $\Delta$ CDF)   |       |       | -7.90E-08 | -7.70E-08 | 1.70E-08 | 2.20E-08 | 7.30E-08 | -2.20E-08 |
| PLE   |       |       | NO        | NO        | NO       | NO       | NO       | NO        |
| Indicator value   |       |       | -4.20E-08 | -2.70E-08 | 2.90E-08 | 3.03E-08 | 1.02E-07 | -1.85E-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

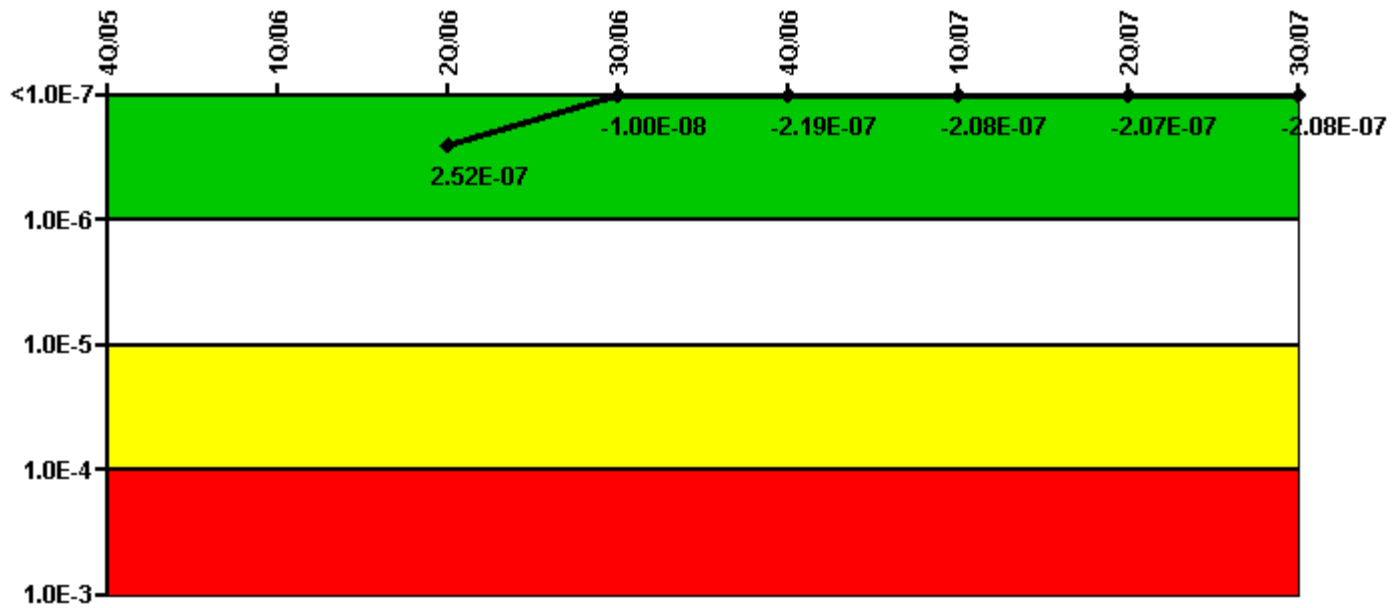
## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07    | 3Q/07    |
|--|-------|-------|-----------|-----------|-----------|-----------|----------|----------|
| UAI (ΔCDF)   |       |       | 4.50E-09  | 5.40E-09  | 8.10E-09  | -1.60E-08 | 6.00E-09 | 5.50E-09 |
| URI (ΔCDF)   |       |       | -1.50E-07 | -1.50E-07 | -1.60E-07 | 4.50E-07  | 1.50E-06 | 1.50E-06 |
| PLE  |       |       | NO        | NO        | NO        | NO        | NO       | NO       |
| Indicator value  |       |       | -1.46E-07 | -1.45E-07 | -1.52E-07 | 4.34E-07  | 1.51E-06 | 1.51E-06 |

Licensee Comments:

3Q/07: Risk Cap Invoked.

# Mitigating Systems Performance Index, Heat Removal System



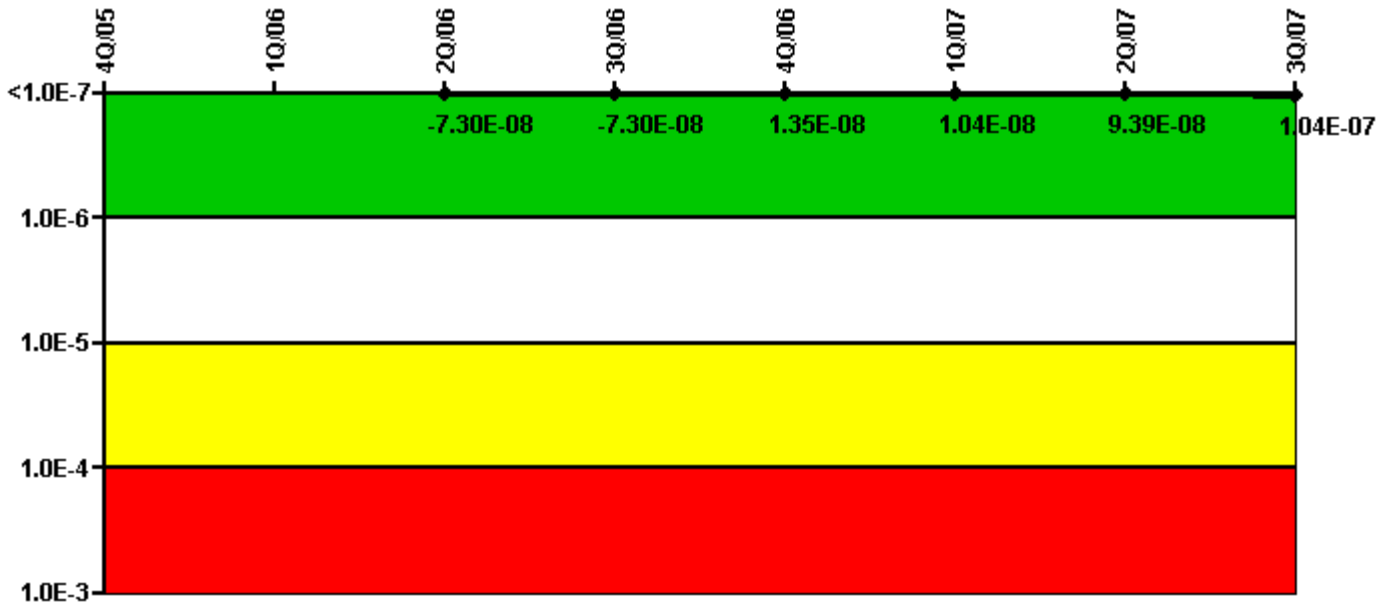
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     |
|---|-------|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       | 2.80E-07  | 1.50E-07  | -6.90E-08 | -5.80E-08 | -5.70E-08 | -5.80E-08 |
| URI (ΔCDF)  |       |       | -2.80E-08 | -1.60E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 |
| PLE   |       |       | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   |       |       | 2.52E-07  | -1.00E-08 | -2.19E-07 | -2.08E-07 | -2.07E-07 | -2.08E-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

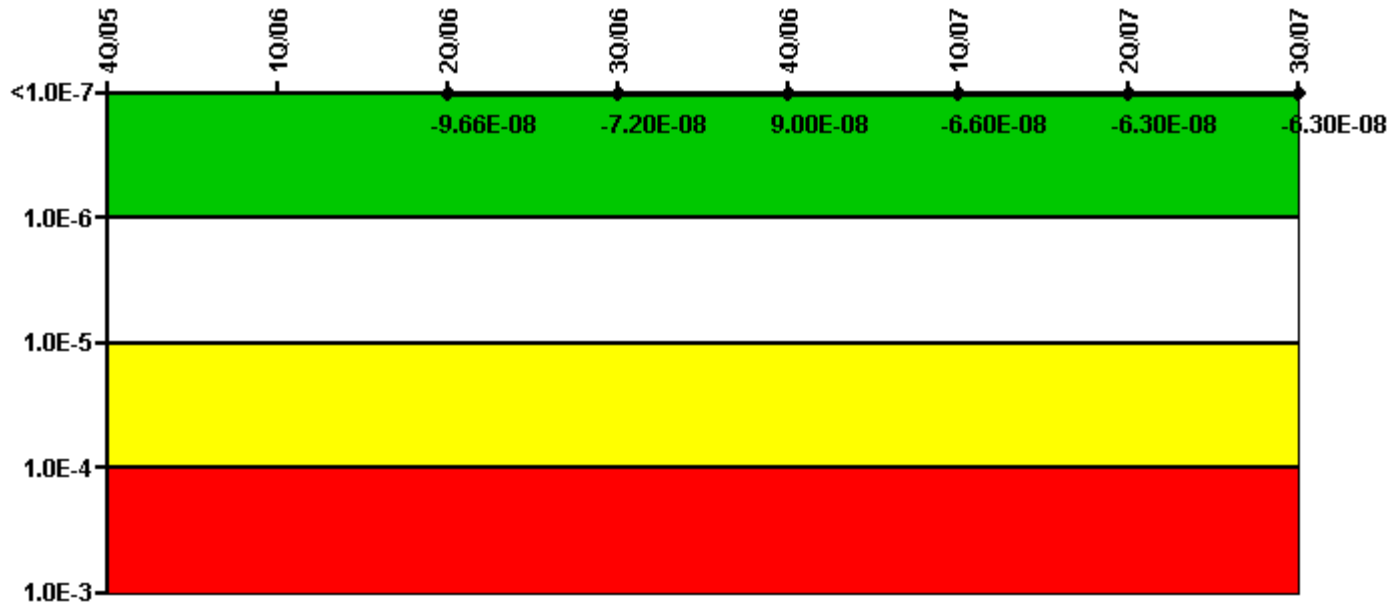
## Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     |
|--|-------|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  |       |       | -1.00E-08 | -1.00E-08 | -8.50E-09 | -7.60E-09 | -6.10E-09 | -6.20E-09 |
| URI ( $\Delta$ CDF)  |       |       | -6.30E-08 | -6.30E-08 | 2.20E-08  | 1.80E-08  | 1.00E-07  | 1.10E-07  |
| PLE  |       |       | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  |       |       | -7.30E-08 | -7.30E-08 | 1.35E-08  | 1.04E-08  | 9.39E-08  | 1.04E-07  |

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



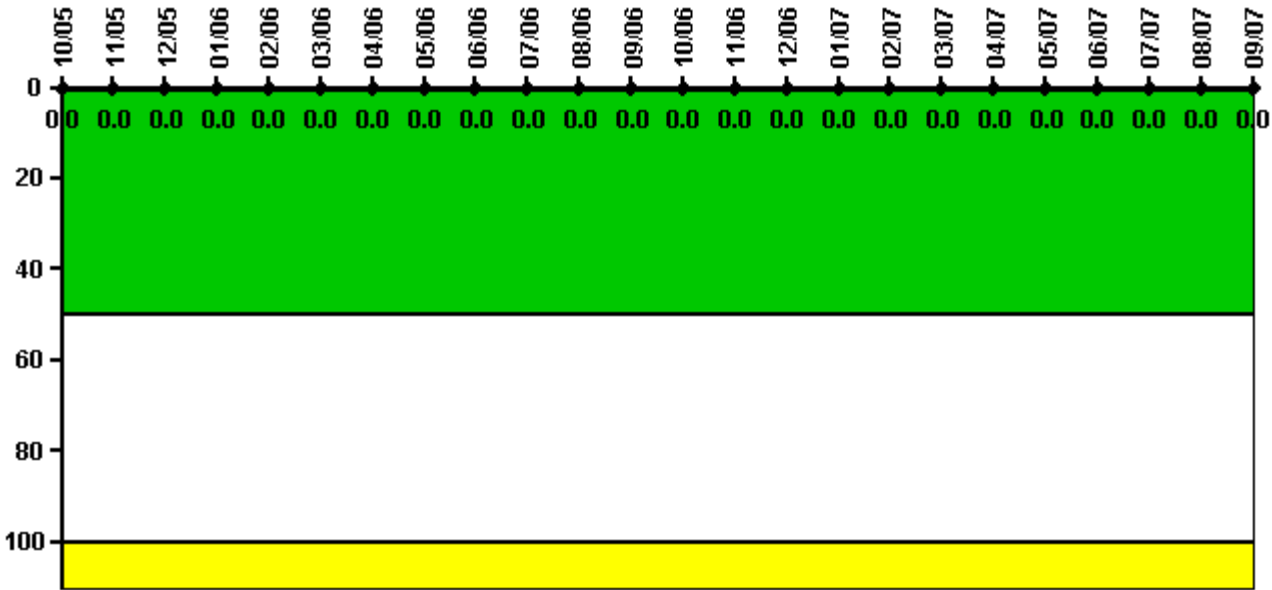
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/05 | 1Q/06 | 2Q/06     | 3Q/06     | 4Q/06     | 1Q/07     | 2Q/07     | 3Q/07     |
|---|-------|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI (ΔCDF)  |       |       | -3.60E-09 | 2.60E-08  | 1.90E-07  | 3.20E-08  | 3.60E-08  | 3.60E-08  |
| URI (ΔCDF)  |       |       | -9.30E-08 | -9.80E-08 | -1.00E-07 | -9.80E-08 | -9.90E-08 | -9.90E-08 |
| PLE   |       |       | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   |       |       | -9.66E-08 | -7.20E-08 | 9.00E-08  | -6.60E-08 | -6.30E-08 | -6.30E-08 |

Licensee Comments: none

# Reactor Coolant System Activity



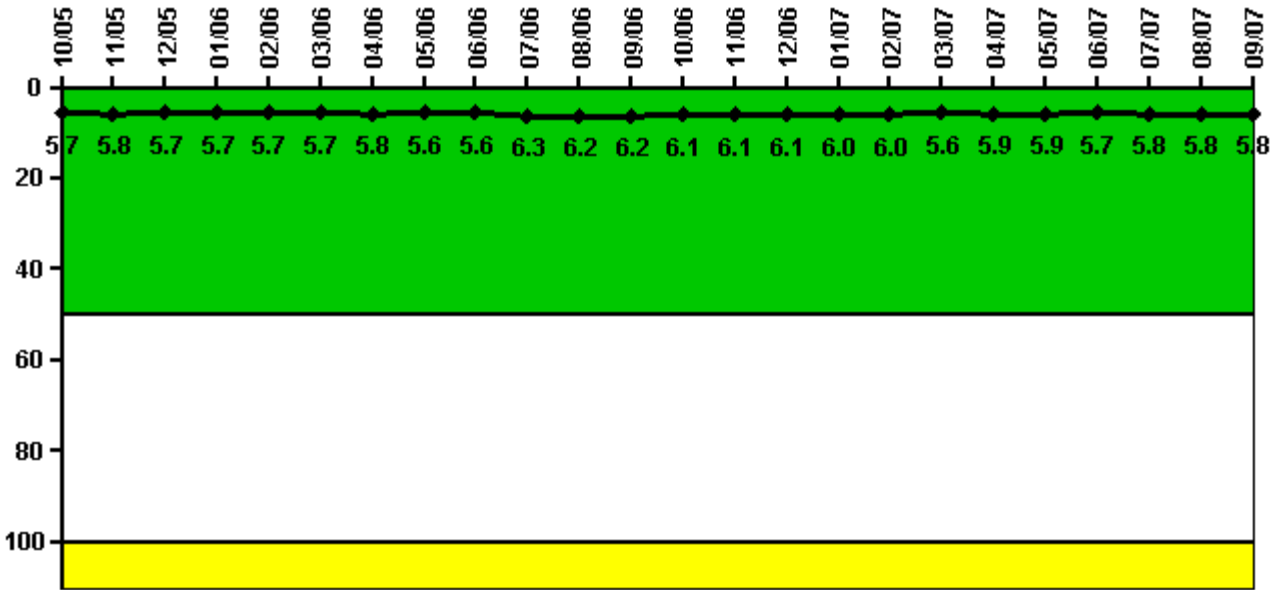
Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Activity | 10/05    | 11/05    | 12/05    | 1/06     | 2/06     | 3/06     | 4/06     | 5/06     | 6/06     | 7/06     | 8/06     | 9/06     |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Maximum activity                | 0.000006 | 0.000006 | 0.000008 | 0.000007 | 0.000007 | 0.000008 | 0.000012 | 0.000007 | 0.000009 | 0.000010 | 0.000012 | 0.000009 |
| 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        |
| Reactor Coolant System Activity | 10/06    | 11/06    | 12/06    | 1/07     | 2/07     | 3/07     | 4/07     | 5/07     | 6/07     | 7/07     | 8/07     | 9/07     |
| Maximum activity                | 0.000011 | 0.000009 | 0.000008 | 0.000010 | 0.000006 | 0.000010 | 0.000010 | 0.000006 | 0.000006 | 0.000007 | 0.000006 | 0.000006 |
| 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



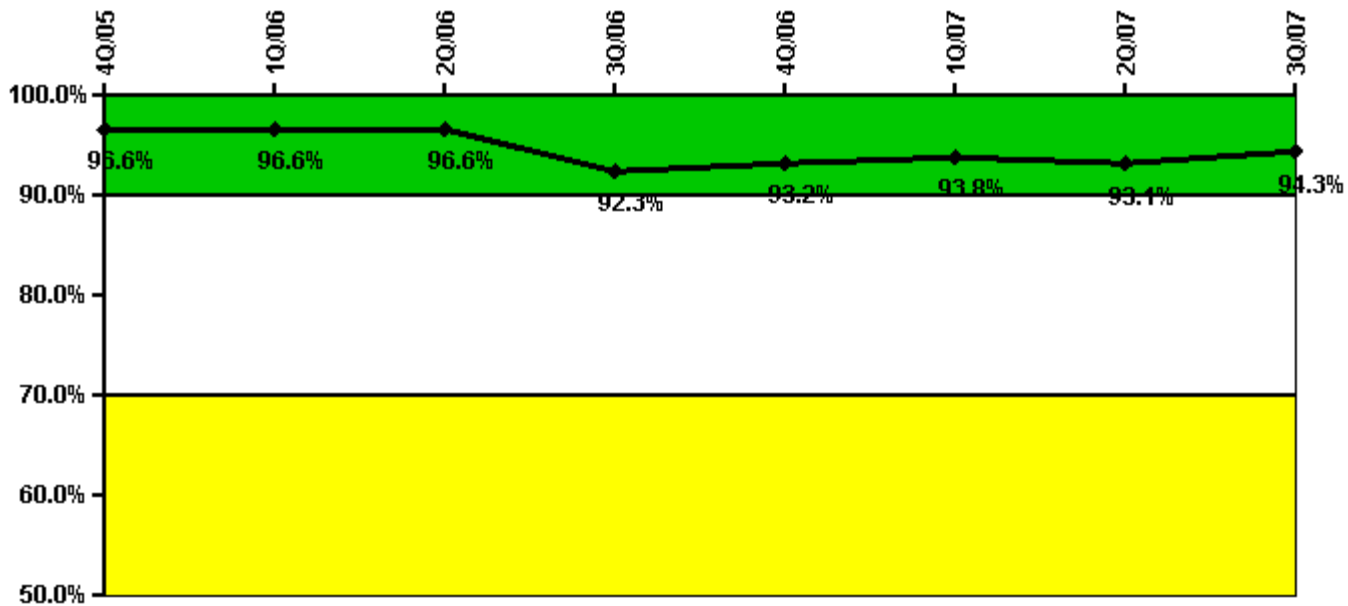
Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 10/05 | 11/05 | 12/05 | 1/06  | 2/06  | 3/06  | 4/06  | 5/06  | 6/06  | 7/06  | 8/06  | 9/06  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Maximum leakage                | 1.710 | 1.730 | 1.700 | 1.710 | 1.720 | 1.720 | 1.730 | 1.670 | 1.670 | 1.900 | 1.850 | 1.860 |
| Technical specification limit  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| Indicator value                | 5.7   | 5.8   | 5.7   | 5.7   | 5.7   | 5.7   | 5.8   | 5.6   | 5.6   | 6.3   | 6.2   | 6.2   |
| Reactor Coolant System Leakage | 10/06 | 11/06 | 12/06 | 1/07  | 2/07  | 3/07  | 4/07  | 5/07  | 6/07  | 7/07  | 8/07  | 9/07  |
| Maximum leakage                | 1.840 | 1.820 | 1.840 | 1.810 | 1.790 | 1.680 | 1.780 | 1.770 | 1.710 | 1.730 | 1.750 | 1.730 |
| Technical specification limit  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| Indicator value                | 6.1   | 6.1   | 6.1   | 6.0   | 6.0   | 5.6   | 5.9   | 5.9   | 5.7   | 5.8   | 5.8   | 5.8   |

Licensee Comments: none

## Drill/Exercise Performance



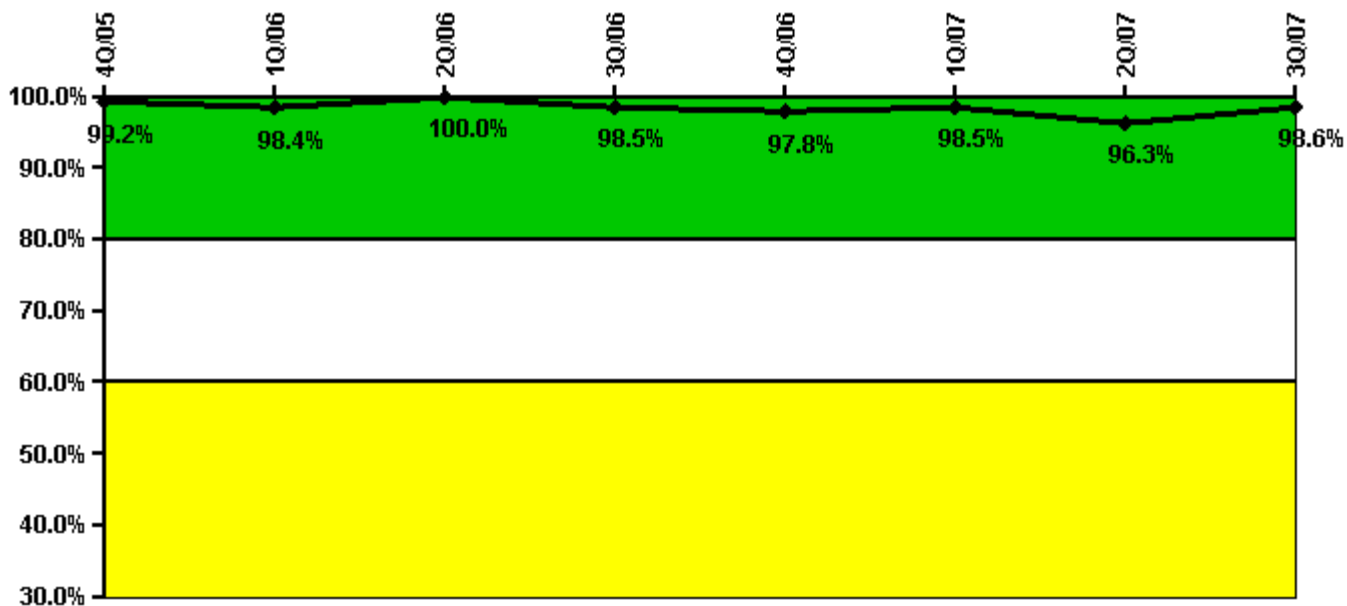
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 19.0  | 4.0   | 17.0  | 34.0  | 24.0  | 2.0   | 11.0  | 72.0  |
| Total opportunities        | 20.0  | 4.0   | 18.0  | 41.0  | 24.0  | 2.0   | 12.0  | 73.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 96.6% | 96.6% | 96.6% | 92.3% | 93.2% | 93.8% | 93.1% | 94.3% |

Licensee Comments: none

# ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation     | 4Q/05 | 1Q/06 | 2Q/06  | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 |
|-----------------------------|-------|-------|--------|-------|-------|-------|-------|-------|
| Participating Key personnel | 128.0 | 124.0 | 129.0  | 133.0 | 134.0 | 132.0 | 130.0 | 138.0 |
| Total Key personnel         | 129.0 | 126.0 | 129.0  | 135.0 | 137.0 | 134.0 | 135.0 | 140.0 |
|                             |       |       |        |       |       |       |       |       |
| Indicator value             | 99.2% | 98.4% | 100.0% | 98.5% | 97.8% | 98.5% | 96.3% | 98.6% |

Licensee Comments: none

## Alert & Notification System

**Not applicable due to  
unique design  
characteristics.  
Performance in this area  
will be assessed through  
focused NRC inspection  
efforts.**

### Notes

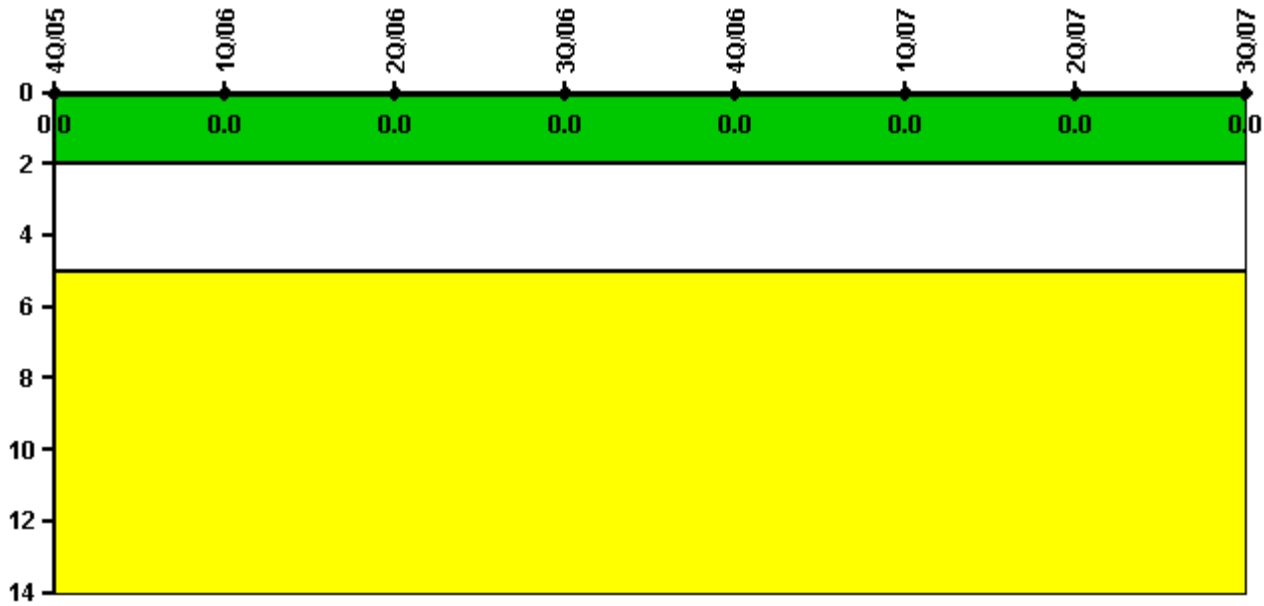
| Alert & Notification System | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      |       |       |       |       |       |       |       |       |
| Total sirens-tests          |       |       |       |       |       |       |       |       |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             |       |       |       |       |       |       |       |       |

Licensee Comments:

3Q/07: Plant Hatch does not use sirens as an emergency notification system.

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# Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 4Q/05    | 1Q/06    | 2Q/06    | 3Q/06    | 4Q/06    | 1Q/07    | 2Q/07    | 3Q/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 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/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: December 7, 2007