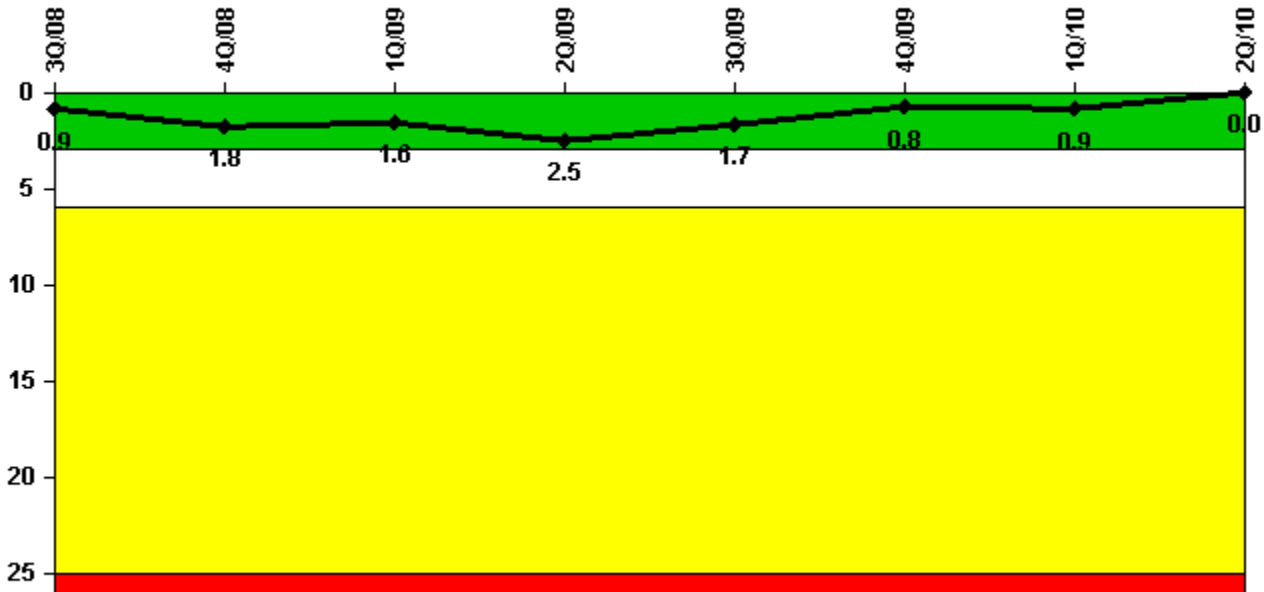


# Hatch 1

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

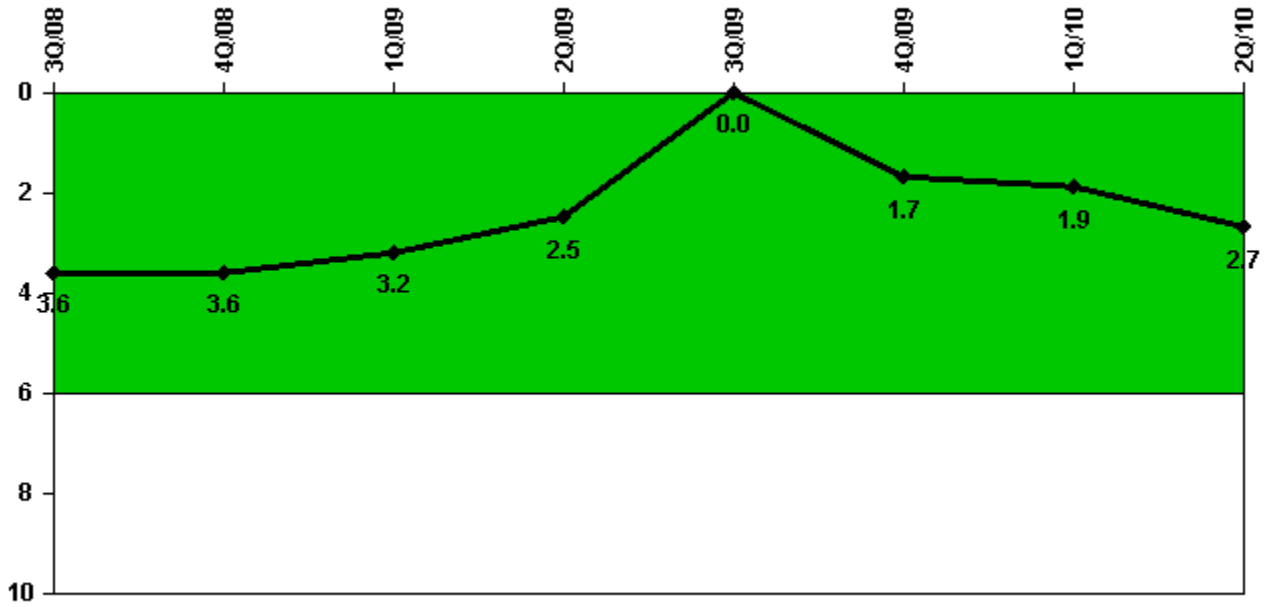
### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  | 3Q/09  | 4Q/09  | 1Q/10  | 2Q/10  |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned scrams                       | 1.0    | 1.0    | 0      | 1.0    | 0      | 0      | 0      | 0      |
| Critical hours                         | 2154.2 | 2165.0 | 2159.0 | 1777.9 | 2208.0 | 2209.0 | 1228.7 | 2184.0 |
| Indicator value                        | 0.9    | 1.8    | 1.6    | 2.5    | 1.7    | 0.8    | 0.9    | 0      |

Licensee Comments: none

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## Unplanned Power Changes per 7000 Critical Hrs



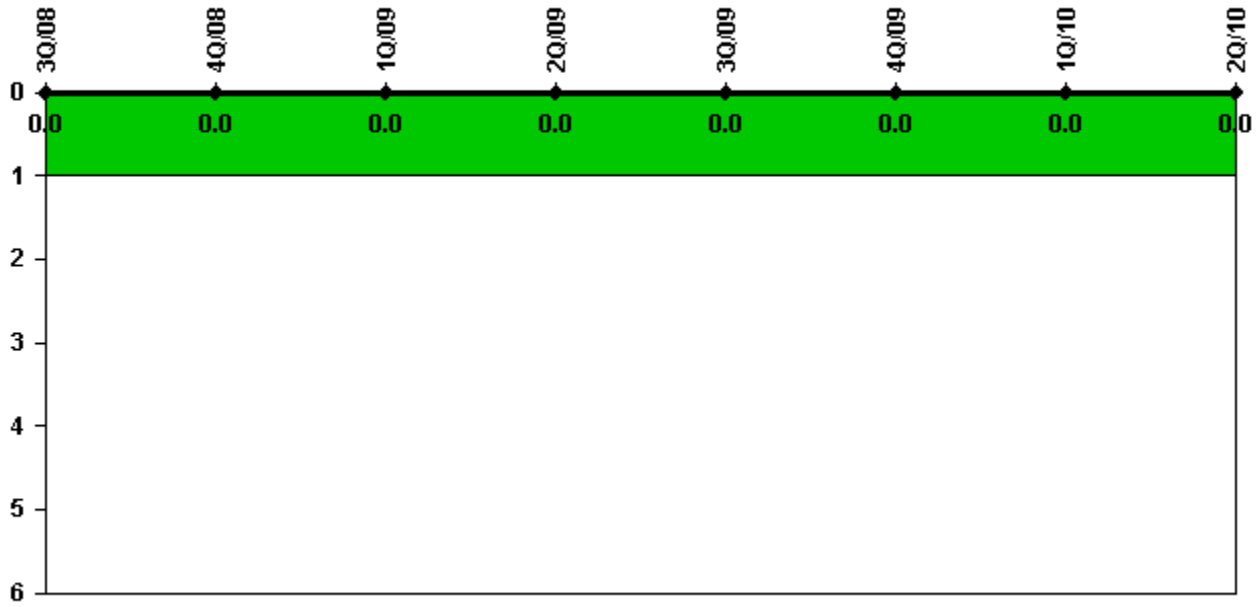
Thresholds: White > 6.0

### Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/08  | 4Q/08  | 1Q/09  | 2Q/09  | 3Q/09  | 4Q/09  | 1Q/10  | 2Q/10  |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Unplanned power changes                       | 3.0    | 0      | 0      | 0      | 0      | 2.0    | 0      | 1.0    |
| Critical hours                                | 2154.2 | 2165.0 | 2159.0 | 1777.9 | 2208.0 | 2209.0 | 1228.7 | 2184.0 |
| Indicator value                               | 3.6    | 3.6    | 3.2    | 2.5    | 0      | 1.7    | 1.9    | 2.7    |

Licensee Comments: none

# Unplanned Scrams with Complications



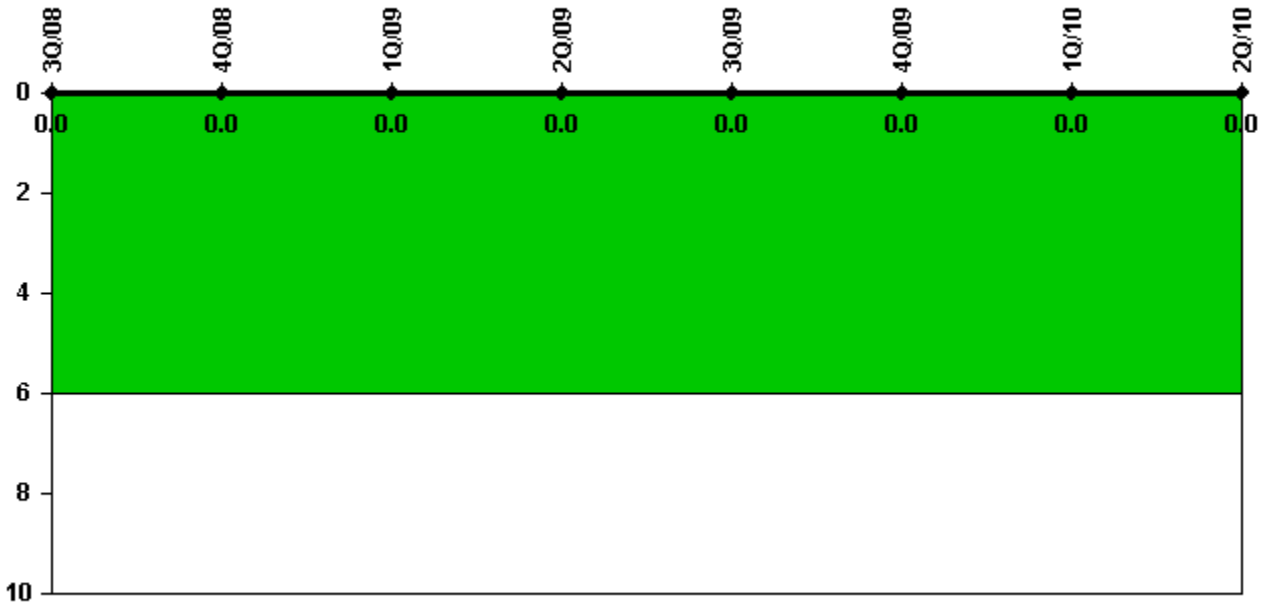
Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/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)



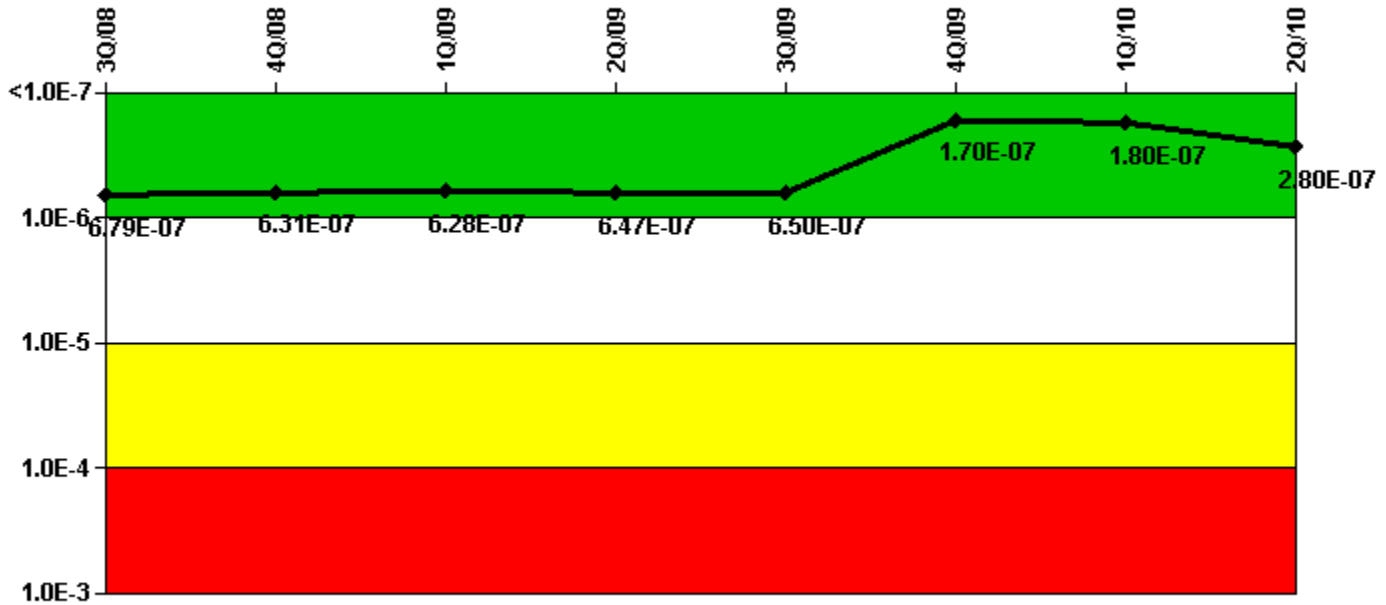
Thresholds: White > 6.0

### Notes

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

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

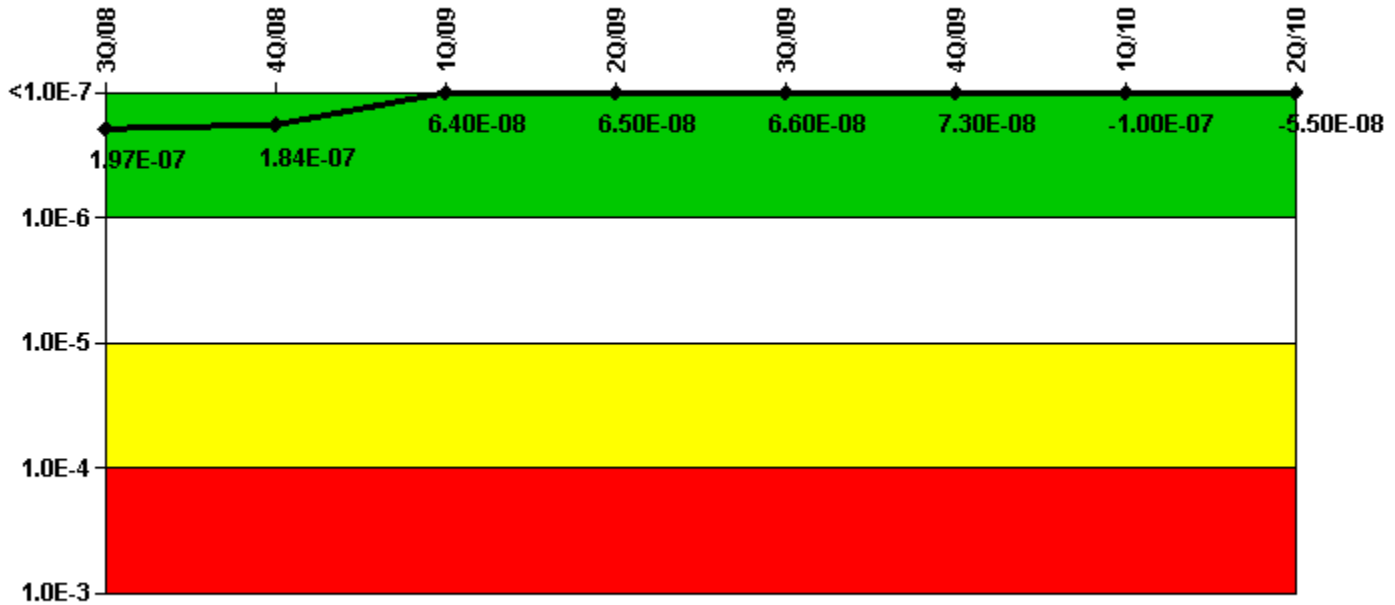
| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/08    | 4Q/08    | 1Q/09    | 2Q/09    | 3Q/09    | 4Q/09    | 1Q/10    | 2Q/10    |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| UAI (ΔCDF)  | 3.90E-08 | 3.10E-08 | 2.80E-08 | 1.70E-08 | 2.00E-08 | 4.72E-08 | 5.95E-08 | 5.57E-08 |
| URI (ΔCDF)  | 6.40E-07 | 6.00E-07 | 6.00E-07 | 6.30E-07 | 6.30E-07 | 1.24E-07 | 1.16E-07 | 2.25E-07 |
| PLE   | NO       | NO       | NO       | NO       | NO       | NO       | NO       | NO       |
| Indicator value   | 6.79E-07 | 6.31E-07 | 6.28E-07 | 6.47E-07 | 6.50E-07 | 1.70E-07 | 1.80E-07 | 2.80E-07 |

Licensee Comments:

2Q/10: Risk Cap Invoked.

4Q/09: Risk Cap Invoked. One Diesel event under evaluation (CR2009112068). Update: The engineering evaluation is complete and this event was determined not to be a failure.

# Mitigating Systems Performance Index, High Pressure Injection System



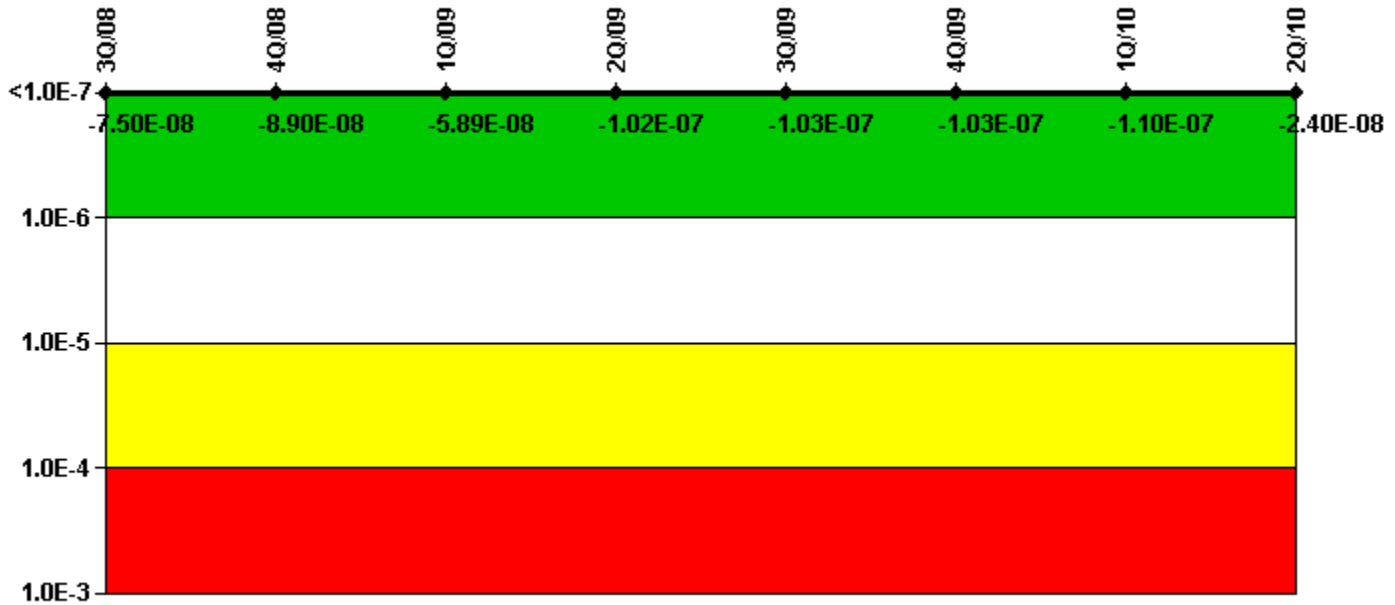
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, High Pressure Injection System | 3Q/08    | 4Q/08    | 1Q/09    | 2Q/09    | 3Q/09    | 4Q/09    | 1Q/10     | 2Q/10     |
|--|----------|----------|----------|----------|----------|----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | 7.70E-08 | 7.40E-08 | 2.00E-08 | 2.10E-08 | 2.10E-08 | 2.10E-08 | -3.64E-08 | 1.55E-08  |
| URI ( $\Delta$ CDF)  | 1.20E-07 | 1.10E-07 | 4.40E-08 | 4.40E-08 | 4.50E-08 | 5.20E-08 | -6.69E-08 | -7.04E-08 |
| PLE  | NO       | NO       | NO       | NO       | NO       | NO       | NO        | NO        |
| Indicator value  | 1.97E-07 | 1.84E-07 | 6.40E-08 | 6.50E-08 | 6.60E-08 | 7.30E-08 | -1.00E-07 | -5.50E-08 |

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



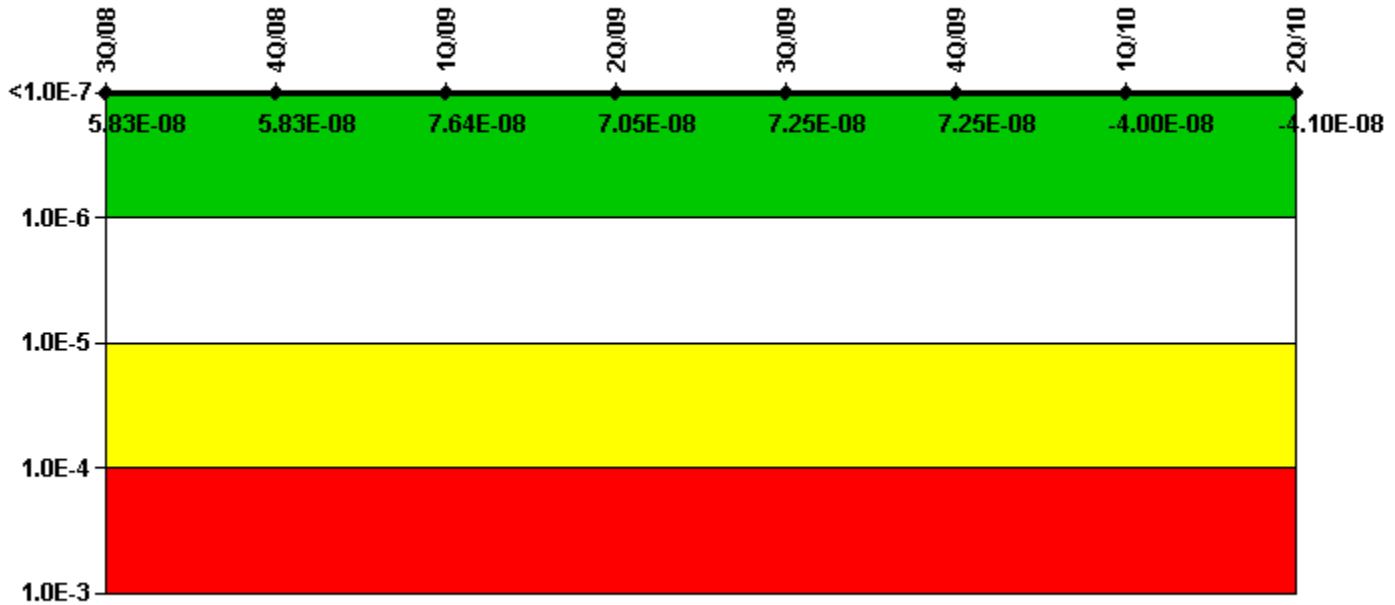
Thresholds: White >  $1.00E-6$  Yellow >  $1.00E-5$  Red >  $1.00E-4$

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/08       | 4Q/08       | 1Q/09       | 2Q/09       | 3Q/09       | 4Q/09       | 1Q/10       | 2Q/10       |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| UAI ( $\Delta$ CDF)                                       | $6.50E-08$  | $6.10E-08$  | $8.10E-09$  | $-4.10E-08$ | $-4.10E-08$ | $-4.10E-08$ | $-4.02E-08$ | $4.60E-08$  |
| URI ( $\Delta$ CDF)                                       | $-1.40E-07$ | $-1.50E-07$ | $-6.70E-08$ | $-6.10E-08$ | $-6.20E-08$ | $-6.20E-08$ | $-6.69E-08$ | $-6.96E-08$ |
| PLE   | NO          | NO          | NO          | NO          | NO          | NO          | NO          | NO          |
| Indicator value   | $-7.50E-08$ | $-8.90E-08$ | $-5.89E-08$ | $-1.02E-07$ | $-1.03E-07$ | $-1.03E-07$ | $-1.10E-07$ | $-2.40E-08$ |

Licensee Comments: none

# Mitigating Systems Performance Index, Residual Heat Removal System



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

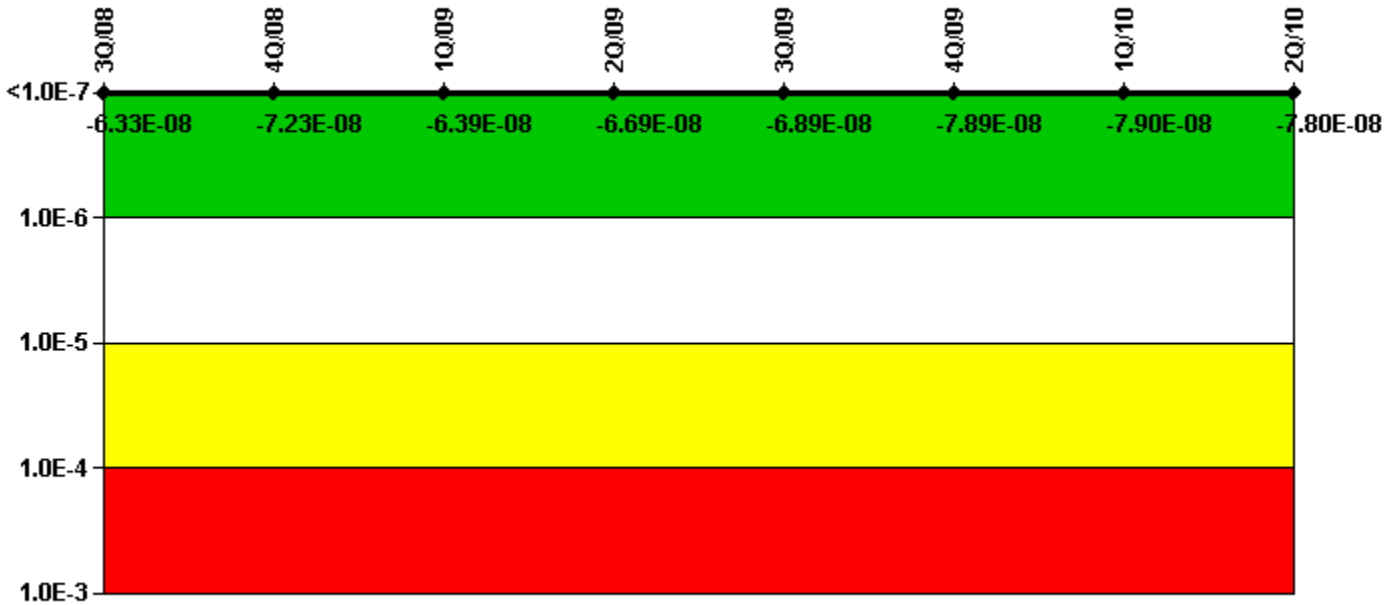
## Notes

| Mitigating Systems Performance Index, Residual Heat Removal System | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10     | 2Q/10     |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)  | -6.70E-09 | -7.70E-09 | -8.60E-09 | -8.50E-09 | -8.50E-09 | -8.50E-09 | -1.07E-08 | -1.13E-08 |
| URI ( $\Delta$ CDF)  | 6.50E-08  | 6.60E-08  | 8.50E-08  | 7.90E-08  | 8.10E-08  | 8.10E-08  | -2.89E-08 | -2.92E-08 |
| PLE  | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value  | 5.83E-08  | 5.83E-08  | 7.64E-08  | 7.05E-08  | 7.25E-08  | 7.25E-08  | -4.00E-08 | -4.10E-08 |

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



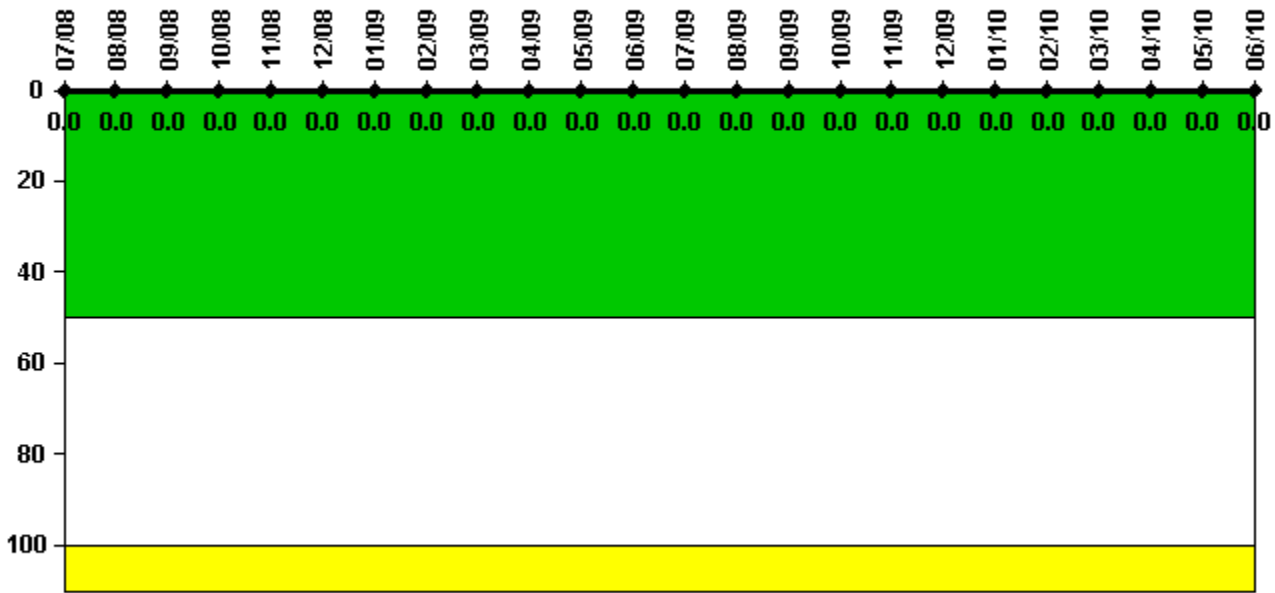
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/08     | 4Q/08     | 1Q/09     | 2Q/09     | 3Q/09     | 4Q/09     | 1Q/10     | 2Q/10     |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| UAI ( $\Delta$ CDF)   | -1.30E-09 | -1.30E-09 | -9.10E-10 | -9.00E-10 | -9.00E-10 | -8.60E-10 | -8.29E-10 | -2.40E-10 |
| URI ( $\Delta$ CDF)   | -6.20E-08 | -7.10E-08 | -6.30E-08 | -6.60E-08 | -6.80E-08 | -7.80E-08 | -7.82E-08 | -7.73E-08 |
| PLE   | NO        | NO        | NO        | NO        | NO        | NO        | NO        | NO        |
| Indicator value   | -6.33E-08 | -7.23E-08 | -6.39E-08 | -6.69E-08 | -6.89E-08 | -7.89E-08 | -7.90E-08 | -7.80E-08 |

Licensee Comments: none

# Reactor Coolant System Activity



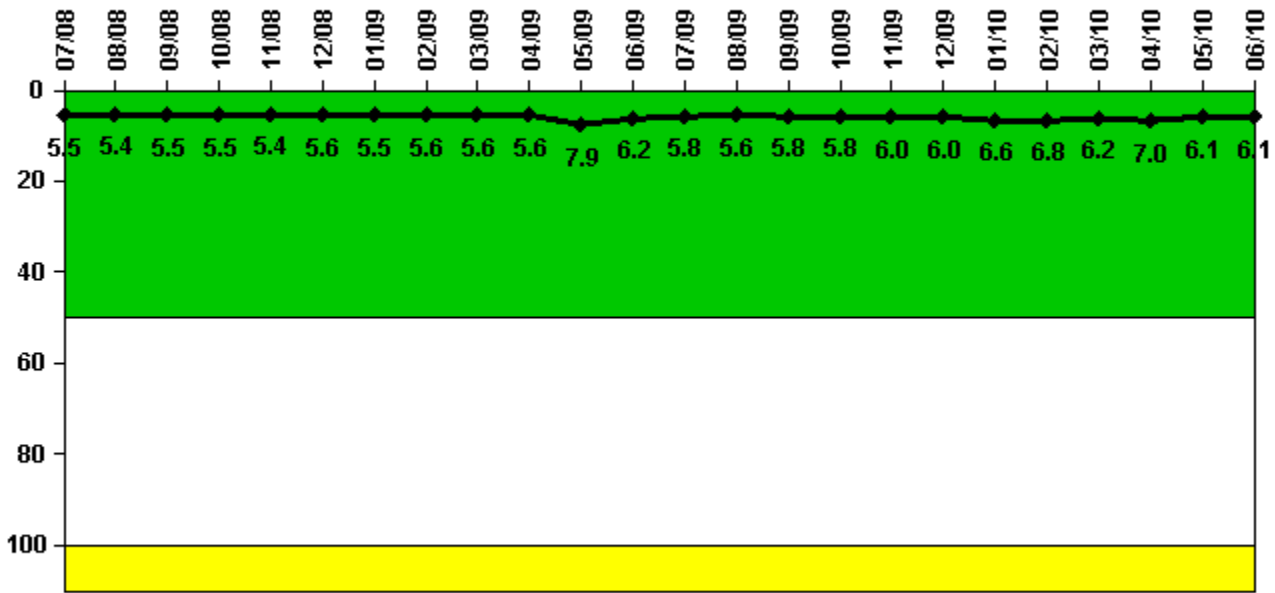
Thresholds: White > 50.0 Yellow > 100.0

## Notes

|                                 |          |          |          |          |          |          |          |          |          |          |          |          |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Reactor Coolant System Activity | 7/08     | 8/08     | 9/08     | 10/08    | 11/08    | 12/08    | 1/09     | 2/09     | 3/09     | 4/09     | 5/09     | 6/09     |
| Maximum activity                | 0.000008 | 0.000007 | 0.000008 | 0.000005 | 0.000007 | 0.000008 | 0.000005 | 0.000007 | 0.000008 | 0.000005 | 0.000006 | 0.000010 |
| 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 | 7/09     | 8/09     | 9/09     | 10/09    | 11/09    | 12/09    | 1/10     | 2/10     | 3/10     | 4/10     | 5/10     | 6/10     |
| Maximum activity                | 0.000005 | 0.000005 | 0.000005 | 0.000006 | 0.000004 | 0.000005 | 0.000009 | 0.000007 | 0.000002 | 0.000003 | 0.000005 | 0.000005 |
| 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



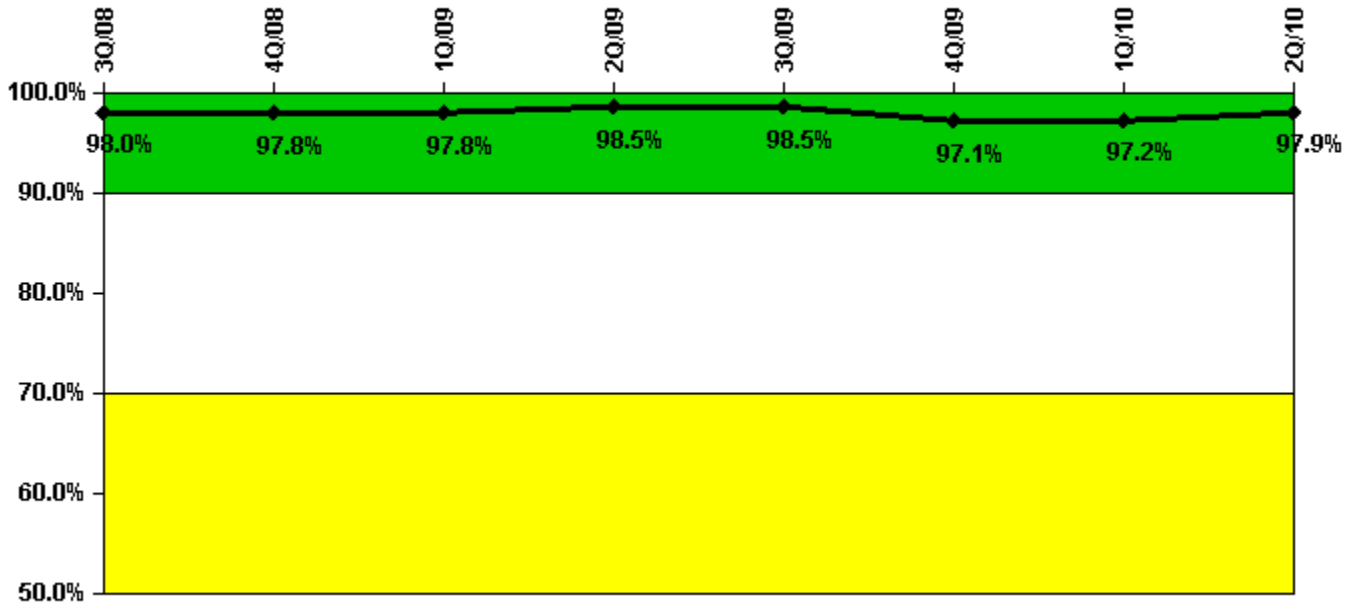
Thresholds: White > 50.0 Yellow > 100.0

### Notes

|                                |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Reactor Coolant System Leakage | 7/08  | 8/08  | 9/08  | 10/08 | 11/08 | 12/08 | 1/09  | 2/09  | 3/09  | 4/09  | 5/09  | 6/09  |
| Maximum leakage                | 1.650 | 1.610 | 1.650 | 1.640 | 1.630 | 1.670 | 1.650 | 1.690 | 1.680 | 1.670 | 2.360 | 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                | 5.5   | 5.4   | 5.5   | 5.5   | 5.4   | 5.6   | 5.5   | 5.6   | 5.6   | 5.6   | 7.9   | 6.2   |
| Reactor Coolant System Leakage | 7/09  | 8/09  | 9/09  | 10/09 | 11/09 | 12/09 | 1/10  | 2/10  | 3/10  | 4/10  | 5/10  | 6/10  |
| Maximum leakage                | 1.730 | 1.680 | 1.730 | 1.740 | 1.790 | 1.810 | 1.970 | 2.040 | 1.850 | 2.090 | 1.820 | 1.840 |
| 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                | 5.8   | 5.6   | 5.8   | 5.8   | 6.0   | 6.0   | 6.6   | 6.8   | 6.2   | 7.0   | 6.1   | 6.1   |

Licensee Comments: none

## Drill/Exercise Performance



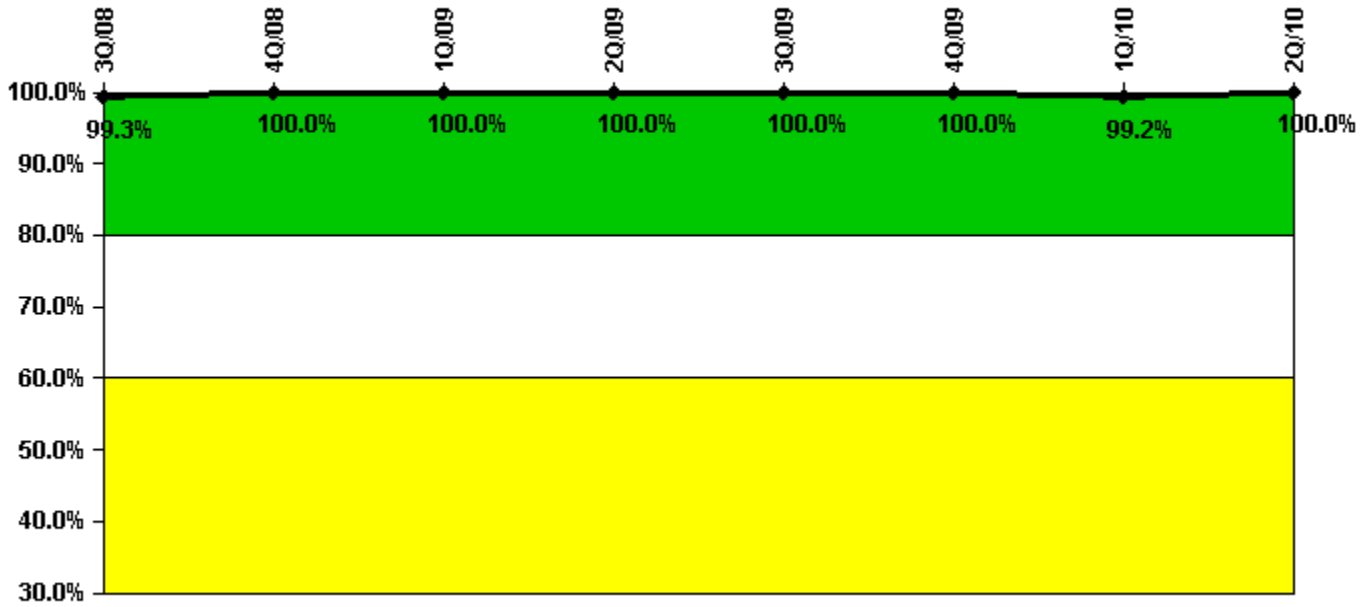
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

| Drill/Exercise Performance | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful opportunities   | 43.0  | 8.0   | 2.0   | 23.0  | 10.0  | 12.0  | 12.0  | 27.0  |
| Total opportunities        | 43.0  | 8.0   | 2.0   | 23.0  | 10.0  | 14.0  | 12.0  | 28.0  |
|                            |       |       |       |       |       |       |       |       |
| Indicator value            | 98.0% | 97.8% | 97.8% | 98.5% | 98.5% | 97.1% | 97.2% | 97.9% |

Licensee Comments: none

# ERO Drill Participation



Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation     | 3Q/08 | 4Q/08  | 1Q/09  | 2Q/09  | 3Q/09  | 4Q/09  | 1Q/10 | 2Q/10  |
|-----------------------------|-------|--------|--------|--------|--------|--------|-------|--------|
| Participating Key personnel | 142.0 | 148.0  | 141.0  | 132.0  | 136.0  | 134.0  | 129.0 | 135.0  |
| Total Key personnel         | 143.0 | 148.0  | 141.0  | 132.0  | 136.0  | 134.0  | 130.0 | 135.0  |
|                             |       |        |        |        |        |        |       |        |
| Indicator value             | 99.3% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 99.2% | 100.0% |

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

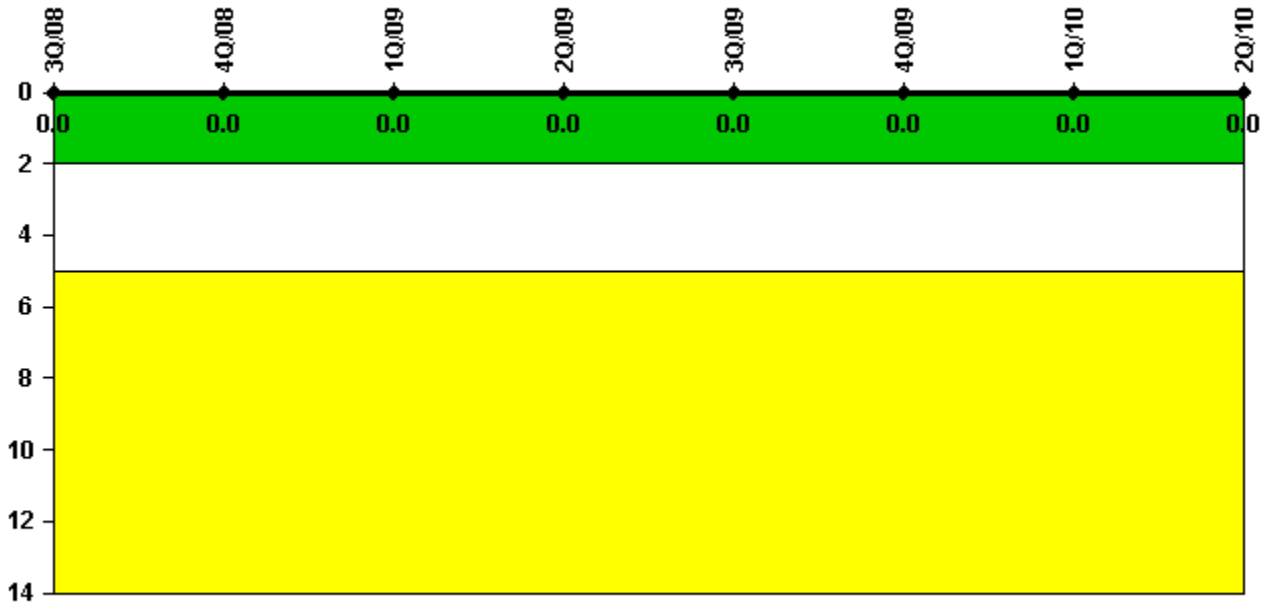
| Alert & Notification System | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Successful siren-tests      |       |       |       |       |       |       |       |       |
| Total sirens-tests          |       |       |       |       |       |       |       |       |
|                             |       |       |       |       |       |       |       |       |
| Indicator value             |       |       |       |       |       |       |       |       |

Licensee Comments:

2Q/10: Plant Hatch does not use sirens as an emergency notification system.

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## Occupational Exposure Control Effectiveness



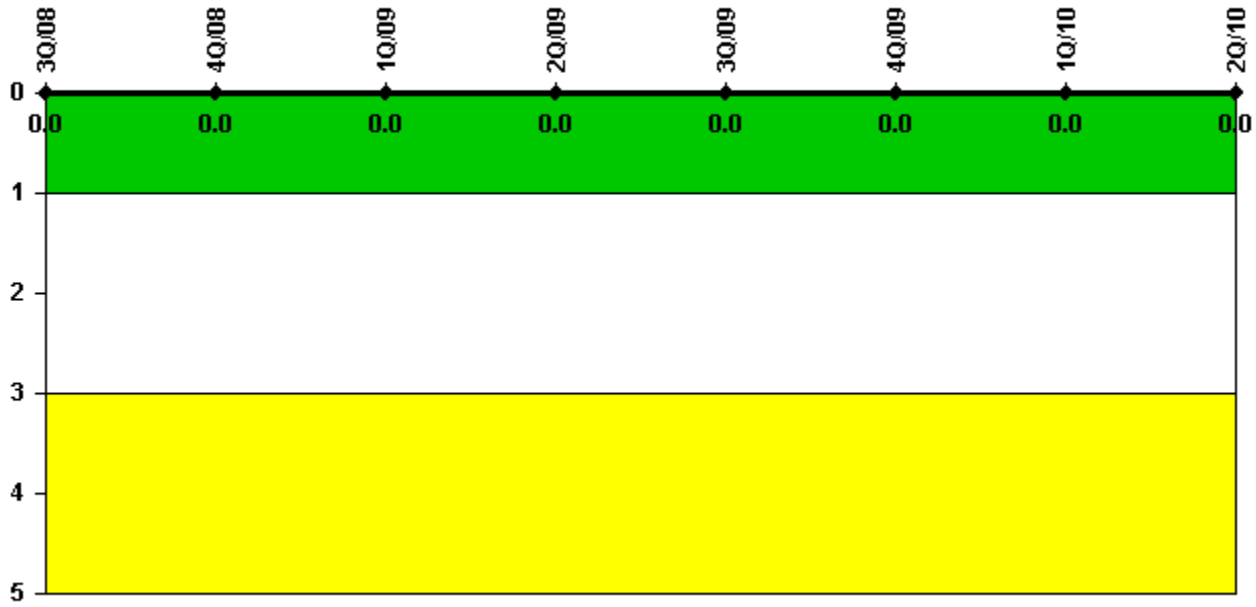
Thresholds: White > 2.0 Yellow > 5.0

### Notes

| Occupational Exposure Control Effectiveness | 3Q/08    | 4Q/08    | 1Q/09    | 2Q/09    | 3Q/09    | 4Q/09    | 1Q/10    | 2Q/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 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/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.