# Hatch 2

## 1Q/2000 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Unplanned scrams | 0 | 3.0 | 0 | 0 | 0 |
| Critical hours | 2052.2 | 1878.8 | 2208.0 | 2209.0 | 1512.1 |
| | | | | | |
| **Indicator value** | **0** | **3.0** | **2.8** | **2.5** | **2.7** |

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 | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Scrams | 0 | 1.0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | | | | **2.0** | **2.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2052.2 | 1878.8 | 2208.0 | 2209.0 | 1512.1 |
| | | | | | |
| **Indicator value** | **3.9** | **2.0** | **0.9** | **0** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 14.92 | 0.60 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 2.98 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 1.10 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 9.50 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| **Train 3** | | | | | |
| Planned unavailable hours | 0 | 90.72 | 0 | 0 | 5.90 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | |
| **Indicator value** | | | | **1.6%** | **1.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 2.75 | 0 | 0 | 0 | 27.97 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 69.07 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2052.20 | 1878.77 | 2208.00 | 2209.00 | 1512.12 |
| | | | | | |
| **Indicator value** | | | | **1.2%** | **1.4%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 14.02 | 10.52 | 55.01 | 0 | 0.17 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2052.20 | 1878.77 | 2208.00 | 2209.00 | 1512.12 |
| | | | | | |
| **Indicator value** | | | | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 17.00 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.45 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 1.37 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 12.58 | 154.25 |
| Unplanned unavailable hours | 0 | 12.45 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | |
| **Indicator value** | | | | **0.4%** | **0.8%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 1 |
| | | | | | |
| **Indicator value** | **1** | **1** | **1** | **0** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 4/99 | 5/99 | 6/99 | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000090 | 0.000100 | 0.000130 | 0.000110 | 0.000100 | 0.000090 | 0.000090 | 0.000090 | 0.000100 | 0.000120 | 0.000090 | 0.000060 |
| 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** | **0.1** | **0.1** | **0.1** | **0.1** | **0** | **0** | **0** | **0.1** | **0.1** | **0** | **0** |

Licensee Comments: none

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 4/99 | 5/99 | 6/99 | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.720 | 1.730 | 1.650 | 1.650 | 1.660 | 1.650 | 1.650 | 1.680 | 1.670 | 1.610 | 1.620 |
| 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** | **5.7** | **5.8** | **5.5** | **5.5** | **5.5** | **5.5** | **5.5** | **5.6** | **5.6** | **5.4** | **5.4** |

Licensee Comments:

12/98: Identified leakage for 10/1998 was N/A due to unit outage.

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Successful opportunities | 0 | 0 | 34.0 | 14.0 | 2.0 |
| Total opportunities | 0 | 0 | 34.0 | 14.0 | 2.0 |
| | | | | | |
| **Indicator value** | | | | **97.6%** | **97.6%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Participating Key personnel | | | | 94.0 | 99.0 |
| Total Key personnel | | | | 115.0 | 113.0 |
| | | | | | |
| **Indicator value** | | | | **81.7%** | **87.6%** |

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 | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Successful siren-tests | | | | | |
| Total sirens-tests | | | | | |
| | | | | | |
| **Indicator value** | | | | | |

Licensee Comments:

1Q/00: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 1 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Protected Area Security Performance Index

**Thresholds: White > 0.080**

## Notes

| Protected Area Security Performance Index | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| IDS compensatory hours | 8.50 | 49.50 | 124.59 | 82.91 | 64.10 |
| CCTV compensatory hours | 0 | 18.2 | 1.8 | 0 | 95.7 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | |
| **Index Value** | **0.008** | **0.011** | **0.011** | **0.015** | **0.023** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 1Q/99 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 |
|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none



*Last Modified: April 1, 2002*

# Hatch 2

## 2Q/2000 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Unplanned scrams | 3.0 | 0 | 0 | 0 | 0 |
| Critical hours | 1878.8 | 2208.0 | 2209.0 | 1512.1 | 2007.9 |
| | | | | | |
| **Indicator value** | **3.0** | **2.8** | **2.5** | **2.7** | **0** |

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/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Scrams | 1.0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | | | **2.0** | **2.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 1878.8 | 2208.0 | 2209.0 | 1512.1 | 2007.9 |
| | | | | | |
| **Indicator value** | **2.0** | **0.9** | **0** | **0.9** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0.60 | 0 | 0 | 0 | 0.08 |
| Unplanned unavailable hours | 0 | 2.98 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| **Train 3** | | | | | |
| Planned unavailable hours | 90.72 | 0 | 0 | 5.90 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 51.30 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| | | | | | |
| **Indicator value** | | | **1.6%** | **1.6%** | **1.7%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 27.97 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 69.07 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1878.77 | 2208.00 | 2209.00 | 1512.12 | 2007.90 |
| | | | | | |
| **Indicator value** | | | **1.2%** | **1.4%** | **1.2%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 10.52 | 55.01 | 0 | 0.17 | 0.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1878.77 | 2208.00 | 2209.00 | 1512.12 | 2007.90 |
| | | | | | |
| **Indicator value** | | | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 17.00 | 1.20 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0.45 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 1.37 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 0 | 0 | 12.58 | 154.25 | 0 |
| Unplanned unavailable hours | 12.45 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| | | | | | |
| **Indicator value** | | | **0.4%** | **0.8%** | **0.6%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 1 |
| | | | | | |
| **Indicator value** | **1** | **1** | **0** | **1** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000110 | 0.000100 | 0.000090 | 0.000090 | 0.000090 | 0.000100 | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 |
| 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** | **0** | **0** | **0.1** | **0.1** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 7/99 | 8/99 | 9/99 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.650 | 1.660 | 1.650 | 1.650 | 1.680 | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 |
| 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** | **5.5** | **5.5** | **5.5** | **5.5** | **5.6** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Successful opportunities | 0 | 34.0 | 14.0 | 2.0 | 18.0 |
| Total opportunities | 0 | 34.0 | 14.0 | 2.0 | 19.0 |
| | | | | | |
| **Indicator value** | | | **97.6%** | **97.6%** | **98.9%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Participating Key personnel | | | 94.0 | 99.0 | 110.0 |
| Total Key personnel | | | 115.0 | 113.0 | 123.0 |
| | | | | | |
| **Indicator value** | | | **81.7%** | **87.6%** | **89.4%** |

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 | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Successful siren-tests | | | | | |
| Total sirens-tests | | | | | |
| | | | | | |
| **Indicator value** | | | | | |

Licensee Comments:

2Q/00: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| High radiation area occurrences | 1 | 0 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Protected Area Security Performance Index

**Thresholds: White > 0.080**

## Notes

| Protected Area Security Performance Index | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| IDS compensatory hours | 49.50 | 124.59 | 82.91 | 64.10 | 27.58 |
| CCTV compensatory hours | 18.2 | 1.8 | 0 | 95.7 | 2.0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | |
| **Index Value** | **0.011** | **0.011** | **0.015** | **0.023** | **0.021** |

Licensee Comments:

2Q/00: 2Q2000 - An IDS zone which is actually divided into 3 separate segments has been counted previously as 1. This has changed the normalization factor from 1.0 to 1.1. This change was also made to all previously submitted data. This change did not result in a threshold color change.

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 2Q/99 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 |
|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none



*Last Modified: April 1, 2002*

# Hatch 2

## 3Q/2000 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1512.1 | 2007.9 | 2208.0 |
| | | | | | |
| **Indicator value** | **2.8** | **2.5** | **2.7** | **0** | **0** |

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 | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | | **2.0** | **2.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1512.1 | 2007.9 | 2208.0 |
| | | | | | |
| **Indicator value** | **0.9** | **0** | **0.9** | **0.9** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0.08 | 16.67 |
| Unplanned unavailable hours | 2.98 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| **Train 3** | | | | | |
| Planned unavailable hours | 0 | 0 | 5.90 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 51.30 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| | | | | | |
| **Indicator value** | | **1.6%** | **1.6%** | **1.7%** | **1.5%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 27.97 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 69.07 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 1512.12 | 2007.90 | 2208.00 |
| | | | | | |
| **Indicator value** | | **1.2%** | **1.4%** | **1.2%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 55.01 | 0 | 0.17 | 0.50 | 0.17 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 1512.12 | 2007.90 | 2208.00 |
| | | | | | |
| **Indicator value** | | **0.5%** | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 17.00 | 1.20 | 1.73 |
| Unplanned unavailable hours | 0 | 0 | 0.45 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 1.37 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 0 | 12.58 | 154.25 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| | | | | | |
| **Indicator value** | | **0.4%** | **0.8%** | **0.6%** | **0.5%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 1 | 0 |
| | | | | | |
| **Indicator value** | **1** | **0** | **1** | **2** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000090 | 0.000090 | 0.000100 | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 |
| 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** | **0.1** | **0.1** | **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 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.650 | 1.680 | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 |
| 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** | **5.5** | **5.6** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Successful opportunities | 34.0 | 14.0 | 2.0 | 18.0 | 53.0 |
| Total opportunities | 34.0 | 14.0 | 2.0 | 19.0 | 55.0 |
| | | | | | |
| **Indicator value** | | **97.6%** | **97.6%** | **98.9%** | **97.7%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Participating Key personnel | | 94.0 | 99.0 | 110.0 | 118.0 |
| Total Key personnel | | 115.0 | 113.0 | 123.0 | 119.0 |
| | | | | | |
| **Indicator value** | | **81.7%** | **87.6%** | **89.4%** | **99.2%** |

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/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Successful siren-tests | | | | | |
| Total sirens-tests | | | | | |
| | | | | | |
| **Indicator value** | | | | | |

Licensee Comments:

3Q/00: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 0 | 1 |
| **Indicator value** | **1** | **1** | **1** | **0** | **1** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Protected Area Security Performance Index

**Thresholds: White > 0.080**

## Notes

| Protected Area Security Performance Index | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| IDS compensatory hours | 124.59 | 82.91 | 64.10 | 27.58 | 1013.82 |
| CCTV compensatory hours | 1.8 | 0 | 95.7 | 2.0 | 0.4 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | |
| **Index Value** | **0.011** | **0.015** | **0.023** | **0.021** | **0.067** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 0 | 1 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 3Q/99 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 |
|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none



*Last Modified: March 29, 2002*

# Hatch 2

## 4Q/2000 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 |
| | | | | | |
| **Indicator value** | **2.5** | **2.7** | **0** | **0** | **0** |

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 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **2.0** | **2.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 |
| | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.9** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0 | 0.08 | 16.67 | 0.10 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0.07 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 3** | | | | | |
| Planned unavailable hours | 0 | 5.90 | 0 | 0 | 15.38 |
| Unplanned unavailable hours | 0 | 0 | 51.30 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | |
| **Indicator value** | **1.6%** | **1.6%** | **1.7%** | **1.5%** | **1.2%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 27.97 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 69.07 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 |
| | | | | | |
| **Indicator value** | **1.2%** | **1.4%** | **1.2%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 0.17 | 0.50 | 0.17 | 1.17 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 |
| | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| **Train 1** | | | | | |
| Planned unavailable hours | 0 | 17.00 | 1.20 | 1.73 | 0 |
| Unplanned unavailable hours | 0 | 0.45 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 1.37 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | |
| Planned unavailable hours | 12.58 | 154.25 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | |
| **Indicator value** | **0.4%** | **0.8%** | **0.6%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 1 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **1** | **2** | **2** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 | 0.000010 | 0.000020 | 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** | **0.1** | **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 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 | 1.660 | 1.810 | 1.630 |
| 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** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** | **5.5** | **6.0** | **5.4** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Successful opportunities | 14.0 | 2.0 | 18.0 | 53.0 | 0 |
| Total opportunities | 14.0 | 2.0 | 19.0 | 55.0 | 0 |
| | | | | | |
| **Indicator value** | **97.6%** | **97.6%** | **98.9%** | **97.7%** | **97.6%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Participating Key personnel | 94.0 | 99.0 | 110.0 | 118.0 | 115.0 |
| Total Key personnel | 115.0 | 113.0 | 123.0 | 119.0 | 119.0 |
| | | | | | |
| **Indicator value** | **81.7%** | **87.6%** | **89.4%** | **99.2%** | **96.6%** |

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/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Successful siren-tests | | | | | |
| Total sirens-tests | | | | | |
| | | | | | |
| **Indicator value** | | | | | |

Licensee Comments:

4Q/00: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 1 | 0 |
| **Indicator value** | **1** | **1** | **0** | **1** | **1** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Protected Area Security Performance Index

**Thresholds: White > 0.080**

## Notes

| Protected Area Security Performance Index | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| IDS compensatory hours | 82.91 | 64.10 | 27.58 | 1013.82 | 19.62 |
| CCTV compensatory hours | 0 | 95.7 | 2.0 | 0.4 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | |
| **Index Value** | **0.015** | **0.023** | **0.021** | **0.067** | **0.063** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 1 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 |
|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none



*Last Modified: March 28, 2002*

# Hatch 2

## 1Q/2001 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 |
| | | | | | | |
| **Indicator value** | **2.5** | **2.7** | **0** | **0** | **0** | **0** |

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 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | |
| **Indicator value** | **2.0** | **2.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 3.0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 |
| | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.9** | **0.9** | **2.4** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| **Train 1** | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.08 | 16.67 | 0.10 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0.05 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0.07 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 3** | | | | | | |
| Planned unavailable hours | 0 | 5.90 | 0 | 0 | 15.38 | 2.05 |
| Unplanned unavailable hours | 0 | 0 | 51.30 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | |
| **Indicator value** | **1.6%** | **1.6%** | **1.7%** | **1.5%** | **1.2%** | **0.3%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| **Train 1** | | | | | | |
| Planned unavailable hours | 0 | 27.97 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 69.07 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | |
| **Indicator value** | **1.2%** | **1.4%** | **1.2%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| **Train 1** | | | | | | |
| Planned unavailable hours | 0 | 0.17 | 0.50 | 0.17 | 1.17 | 37.83 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 34.95 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| **Train 1** | | | | | | |
| Planned unavailable hours | 0 | 17.00 | 1.20 | 1.73 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0.45 | 0 | 0 | 0 | 0.05 |
| Fault exposure hours | 0 | 1.37 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | |
| Planned unavailable hours | 12.58 | 154.25 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | |
| **Indicator value** | **0.4%** | **0.8%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 1 | 0 | 0 | 0 |
| | | | | | | |
| **Indicator value** | **0** | **1** | **2** | **2** | **2** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000090 | 0.000090 | 0.000100 | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 |
| 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** | **0.1** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

| Reactor Coolant System Activity | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 |
|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000020 | 0.000009 | 0.000009 | 0.000009 | 0.000009 |
| Technical specification limit | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | |
| **Indicator value** | **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 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.650 | 1.680 | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 |
| 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** | **5.5** | **5.6** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** |

| Reactor Coolant System Leakage | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 |
|---|---|---|---|---|---|---|
| Maximum leakage | 1.660 | 1.810 | 1.630 | 1.610 | 1.630 | 1.630 |
| Technical specification limit | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| | | | | | | |
| **Indicator value** | **5.5** | **6.0** | **5.4** | **5.4** | **5.4** | **5.4** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Successful opportunities | 14.0 | 2.0 | 18.0 | 53.0 | 0 | 18.0 |
| Total opportunities | 14.0 | 2.0 | 19.0 | 55.0 | 0 | 19.0 |
| | | | | | | |
| **Indicator value** | **97.6%** | **97.6%** | **98.9%** | **97.7%** | **97.6%** | **97.2%** |

Licensee Comments: none

## ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Participating Key personnel | 94.0 | 99.0 | 110.0 | 118.0 | 115.0 | 118.0 |
| Total Key personnel | 115.0 | 113.0 | 123.0 | 119.0 | 119.0 | 128.0 |
| | | | | | | |
| **Indicator value** | **81.7%** | **87.6%** | **89.4%** | **99.2%** | **96.6%** | **92.2%** |

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/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | |
| Total sirens-tests | | | | | | |
| | | | | | | |
| **Indicator value** | | | | | | |

Licensee Comments:

1Q/01: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 1 | 0 | 0 |
| **Indicator value** | **1** | **1** | **0** | **1** | **1** | **1** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| IDS compensatory hours | 82.91 | 64.10 | 27.58 | 1013.82 | 19.62 | 0 |
| CCTV compensatory hours | 0 | 95.7 | 2.0 | 0.4 | 0 | 1.1 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | | |
| **Index Value** | **0.015** | **0.023** | **0.021** | **0.067** | **0.063** | **0.055** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 |
|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none



*Last Modified: March 28, 2002*

# Hatch 2

## 2Q/2001 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 |
| | | | | | | | |
| **Indicator value** | **2.5** | **2.7** | **0** | **0** | **0** | **0** | **0** |

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 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| **Indicator value** | **2.0** | **2.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 3.0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 |
| | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.9** | **0.9** | **2.4** | **2.4** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.08 | 16.67 | 0.10 | 0 | 0.17 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0.05 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0.07 | 0 | 0.18 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 3** | | | | | | | |
| Planned unavailable hours | 0 | 5.90 | 0 | 0 | 15.38 | 2.05 | 1.97 |
| Unplanned unavailable hours | 0 | 0 | 51.30 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | |
| **Indicator value** | **1.6%** | **1.6%** | **1.7%** | **1.5%** | **1.2%** | **0.3%** | **0.3%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | |
| Planned unavailable hours | 0 | 27.97 | 0 | 0 | 0 | 0 | 43.58 |
| Unplanned unavailable hours | 0 | 69.07 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | |
| **Indicator value** | **1.2%** | **1.4%** | **1.2%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | |
| Planned unavailable hours | 0 | 0.17 | 0.50 | 0.17 | 1.17 | 37.83 | 4.07 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 34.95 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | |
| Planned unavailable hours | 0 | 17.00 | 1.20 | 1.73 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0.45 | 0 | 0 | 0 | 0.05 | 0 |
| Fault exposure hours | 0 | 1.37 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | |
| Planned unavailable hours | 12.58 | 154.25 | 0 | 0 | 0 | 0 | 25.82 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | |
| **Indicator value** | **0.4%** | **0.8%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| **Indicator value** | **0** | **1** | **2** | **2** | **2** | **1** | **0** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000090 | 0.000090 | 0.000100 | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 |
| 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** | **0.1** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

| Reactor Coolant System Activity | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 |
|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000020 | 0.000009 | 0.000009 | 0.000009 | 0.000009 | 0.000010 | 0.000010 | 0.000006 |
| Technical specification limit | 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** |

Licensee Comments: none

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.650 | 1.680 | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 |
| 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** | **5.5** | **5.6** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** |

| Reactor Coolant System Leakage | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 |
|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.660 | 1.810 | 1.630 | 1.610 | 1.630 | 1.630 | 1.640 | 1.910 | 1.820 |
| Technical specification limit | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| | | | | | | | | | |
| **Indicator value** | **5.5** | **6.0** | **5.4** | **5.4** | **5.4** | **5.4** | **5.5** | **6.4** | **6.1** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Successful opportunities | 14.0 | 2.0 | 18.0 | 53.0 | 0 | 18.0 | 41.0 |
| Total opportunities | 14.0 | 2.0 | 19.0 | 55.0 | 0 | 19.0 | 42.0 |
| | | | | | | | |
| **Indicator value** | **97.6%** | **97.6%** | **98.9%** | **97.7%** | **97.6%** | **97.2%** | **97.3%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Participating Key personnel | 94.0 | 99.0 | 110.0 | 118.0 | 115.0 | 118.0 | 127.0 |
| Total Key personnel | 115.0 | 113.0 | 123.0 | 119.0 | 119.0 | 128.0 | 135.0 |
| | | | | | | | |
| **Indicator value** | **81.7%** | **87.6%** | **89.4%** | **99.2%** | **96.6%** | **92.2%** | **94.1%** |

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/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | |
| Total sirens-tests | | | | | | | |
| | | | | | | | |
| **Indicator value** | | | | | | | |

Licensee Comments:

2Q/01: Plant Hatch does not use sirens as an Emergency Notification System.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| **Indicator value** | **1** | **1** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 82.91 | 64.10 | 27.58 | 1013.82 | 19.62 | 0 | 0.47 |
| CCTV compensatory hours | 0 | 95.7 | 2.0 | 0.4 | 0 | 1.1 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | | | |
| **Index Value** | **0.015** | **0.023** | **0.021** | **0.067** | **0.063** | **0.055** | **0.054** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 |
|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none



*Last Modified: March 27, 2002*

# Hatch 2

## 3Q/2001 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 |
| | | | | | | | | |
| **Indicator value** | **2.5** | **2.7** | **0** | **0** | **0** | **0** | **0** | **0** |

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 | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2.0** | **2.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 3.0 | 0 | 0 |
| Critical hours | 2209.0 | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.9** | **0.9** | **2.4** | **2.4** | **2.5** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.08 | 16.67 | 0.10 | 0 | 0.17 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0.05 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0.07 | 0 | 0.18 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 5.90 | 0 | 0 | 15.38 | 2.05 | 1.97 | 4.00 |
| Unplanned unavailable hours | 0 | 0 | 51.30 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **1.6%** | **1.6%** | **1.7%** | **1.5%** | **1.2%** | **0.3%** | **0.3%** | **0.3%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 27.97 | 0 | 0 | 0 | 0 | 43.58 | 0 |
| Unplanned unavailable hours | 0 | 69.07 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 |
| | | | | | | | | |
| **Indicator value** | **1.2%** | **1.4%** | **1.2%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0.17 | 0.50 | 0.17 | 1.17 | 37.83 | 4.07 | 0.48 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 34.95 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 17.00 | 1.20 | 1.73 | 0 | 0 | 0 | 51.73 |
| Unplanned unavailable hours | 0 | 0.45 | 0 | 0 | 0 | 0.05 | 0 | 0 |
| Fault exposure hours | 0 | 1.37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 12.58 | 154.25 | 0 | 0 | 0 | 0 | 25.82 | 5.02 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.4%** | **0.8%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.6%** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **1** | **2** | **2** | **2** | **1** | **0** | **0** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000090 | 0.000090 | 0.000100 | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 |
| 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** | **0.1** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

| Reactor Coolant System Activity | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000020 | 0.000009 | 0.000009 | 0.000009 | 0.000009 | 0.000010 | 0.000010 | 0.000006 | 0.000007 | 0.000010 | 0.000030 |
| 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 | 10/99 | 11/99 | 12/99 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.650 | 1.680 | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 |
| 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** | **5.5** | **5.6** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** |

| Reactor Coolant System Leakage | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.660 | 1.810 | 1.630 | 1.610 | 1.630 | 1.630 | 1.640 | 1.910 | 1.820 | 1.650 | 1.660 | 1.780 |
| 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** | **6.0** | **5.4** | **5.4** | **5.4** | **5.4** | **5.5** | **6.4** | **6.1** | **5.5** | **5.5** | **5.9** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 14.0 | 2.0 | 18.0 | 53.0 | 0 | 18.0 | 41.0 | 17.0 |
| Total opportunities | 14.0 | 2.0 | 19.0 | 55.0 | 0 | 19.0 | 42.0 | 19.0 |
| | | | | | | | | |
| **Indicator value** | **97.6%** | **97.6%** | **98.9%** | **97.7%** | **97.6%** | **97.2%** | **97.3%** | **95.9%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 94.0 | 99.0 | 110.0 | 118.0 | 115.0 | 118.0 | 127.0 | 122.0 |
| Total Key personnel | 115.0 | 113.0 | 123.0 | 119.0 | 119.0 | 128.0 | 135.0 | 136.0 |
| | | | | | | | | |
| **Indicator value** | **81.7%** | **87.6%** | **89.4%** | **99.2%** | **96.6%** | **92.2%** | **94.1%** | **89.7%** |

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/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/01: Plant Hatch does not use sirens as an Emergency Notification System.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| 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 | 1 | 0 | 0 | 0 | 0 |
| **Indicator value** | **1** | **1** | **0** | **1** | **1** | **1** | **1** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 82.91 | 64.10 | 27.58 | 1013.82 | 19.62 | 0 | 0.47 | 0 |
| CCTV compensatory hours | 0 | 95.7 | 2.0 | 0.4 | 0 | 1.1 | 0 | 9.0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | | | | |
| **Index Value** | **0.015** | **0.023** | **0.021** | **0.067** | **0.063** | **0.055** | **0.054** | **0.002** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 4Q/99 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

*Last Modified: March 26, 2002*

# Hatch 2

## 4Q/2001 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 |
| Critical hours | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 |
| | | | | | | | | |
| **Indicator value** | **2.7** | **0** | **0** | **0** | **0** | **0** | **0** | **1.8** |

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 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 |
| Critical hours | 1512.1 | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0.9** | **0.9** | **2.4** | **2.4** | **2.5** | **2.7** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0.08 | 16.67 | 0.10 | 0 | 0.17 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0.07 | 0 | 0.18 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 5.90 | 0 | 0 | 15.38 | 2.05 | 1.97 | 4.00 | 0 |
| Unplanned unavailable hours | 0 | 51.30 | 0 | 0 | 0 | 0 | 0 | 138.42 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **1.6%** | **1.7%** | **1.5%** | **1.2%** | **0.3%** | **0.3%** | **0.3%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 27.97 | 0 | 0 | 0 | 0 | 43.58 | 0 | 6.52 |
| Unplanned unavailable hours | 69.07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 |
| | | | | | | | | |
| **Indicator value** | **1.4%** | **1.2%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.17 | 0.50 | 0.17 | 1.17 | 37.83 | 4.07 | 0.48 | 0.75 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 34.95 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1512.12 | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 17.00 | 1.20 | 1.73 | 0 | 0 | 0 | 51.73 | 22.43 |
| Unplanned unavailable hours | 0.45 | 0 | 0 | 0 | 0.05 | 0 | 0 | 0 |
| Fault exposure hours | 1.37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 154.25 | 0 | 0 | 0 | 0 | 25.82 | 5.02 | 5.37 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.8%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **2** | **2** | **2** | **1** | **0** | **0** | **0** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000120 | 0.000090 | 0.000060 | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 | 0.000010 | 0.000020 | 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** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

| Reactor Coolant System Activity | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000009 | 0.000009 | 0.000010 | 0.000010 | 0.000006 | 0.000007 | 0.000010 | 0.000030 | 0.000040 | 0.000008 | 0.000020 |
| 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 | 1/00 | 2/00 | 3/00 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.670 | 1.610 | 1.620 | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 | 1.660 | 1.810 | 1.630 |
| 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** | **5.6** | **5.4** | **5.4** | **5.5** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** | **5.5** | **6.0** | **5.4** |

| Reactor Coolant System Leakage | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.610 | 1.630 | 1.630 | 1.640 | 1.910 | 1.820 | 1.650 | 1.660 | 1.780 | 1.720 | 1.760 | 1.700 |
| 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** | **5.4** | **5.4** | **5.4** | **5.5** | **6.4** | **6.1** | **5.5** | **5.5** | **5.9** | **5.7** | **5.9** | **5.7** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 2.0 | 18.0 | 53.0 | 0 | 18.0 | 41.0 | 17.0 | 8.0 |
| Total opportunities | 2.0 | 19.0 | 55.0 | 0 | 19.0 | 42.0 | 19.0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **97.6%** | **98.9%** | **97.7%** | **97.6%** | **97.2%** | **97.3%** | **95.9%** | **95.7%** |

Licensee Comments: none

## ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 99.0 | 110.0 | 118.0 | 115.0 | 118.0 | 127.0 | 122.0 | 131.0 |
| Total Key personnel | 113.0 | 123.0 | 119.0 | 119.0 | 128.0 | 135.0 | 136.0 | 138.0 |
| | | | | | | | | |
| **Indicator value** | **87.6%** | **89.4%** | **99.2%** | **96.6%** | **92.2%** | **94.1%** | **89.7%** | **94.9%** |

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 | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/01: Plant Hatch does not use sirens as an Emergency Notification System.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| 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 | 1 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **1** | **0** | **1** | **1** | **1** | **1** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Protected Area Security Performance Index

**Thresholds: White > 0.080**

## Notes

| Protected Area Security Performance Index | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 64.10 | 27.58 | 1013.82 | 19.62 | 0 | 0.47 | 0 | 20.50 |
| CCTV compensatory hours | 95.7 | 2.0 | 0.4 | 0 | 1.1 | 0 | 9.0 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| | | | | | | | | |
| **Index Value** | **0.023** | **0.021** | **0.067** | **0.063** | **0.055** | **0.054** | **0.002** | **0.002** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 1Q/00 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Action Matrix Summary | Reactor Oversight Process

*Last Modified: March 15, 2002*

# Hatch 2

## 1Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| Critical hours | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **1.8** | **1.9** |

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/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2007.9 | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0.9** | **2.4** | **2.4** | **2.5** | **2.7** | **0** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.08 | 16.67 | 0.10 | 0 | 0.17 | 0 | 0 | 0.08 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0.05 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.07 | 0 | 0.18 | 0 | 0 | 0.08 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 15.38 | 2.05 | 1.97 | 4.00 | 0 | 174.63 |
| Unplanned unavailable hours | 51.30 | 0 | 0 | 0 | 0 | 0 | 138.42 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **1.7%** | **1.5%** | **1.2%** | **0.3%** | **0.3%** | **0.3%** | **0.5%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 43.58 | 0 | 6.52 | 5.58 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 |
| | | | | | | | | |
| **Indicator value** | **1.2%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.50 | 0.17 | 1.17 | 37.83 | 4.07 | 0.48 | 0.75 | 21.85 |
| Unplanned unavailable hours | 0 | 0 | 0 | 34.95 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2007.90 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.20 | 1.73 | 0 | 0 | 0 | 51.73 | 22.43 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0.05 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 25.82 | 5.02 | 5.37 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.25 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **2** | **1** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000020 | 0.000040 | 0.000030 | 0.000020 | 0.000020 | 0.000020 | 0.000010 | 0.000020 | 0.000009 | 0.000009 | 0.000009 | 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 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000010 | 0.000006 | 0.000007 | 0.000010 | 0.000030 | 0.000040 | 0.000008 | 0.000020 | 0.000010 | 0.000004 | 0.000040 |
| 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 | 4/00 | 5/00 | 6/00 | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.700 | 1.650 | 2.050 | 1.640 | 1.630 | 1.660 | 1.810 | 1.630 | 1.610 | 1.630 | 1.630 |
| 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** | **5.7** | **5.5** | **6.8** | **5.5** | **5.4** | **5.5** | **6.0** | **5.4** | **5.4** | **5.4** | **5.4** |

| Reactor Coolant System Leakage | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.640 | 1.910 | 1.820 | 1.650 | 1.660 | 1.780 | 1.720 | 1.760 | 1.700 | 1.730 | 1.720 | 1.770 |
| 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** | **6.4** | **6.1** | **5.5** | **5.5** | **5.9** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.9** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 18.0 | 53.0 | 0 | 18.0 | 33.0 | 17.0 | 8.0 | 0 |
| Total opportunities | 19.0 | 55.0 | 0 | 19.0 | 34.0 | 19.0 | 8.0 | 0 |
| | | | | | | | | |
| **Indicator value** | **98.9%** | **97.7%** | **97.6%** | **97.2%** | **97.2%** | **95.7%** | **95.5%** | **95.5%** |

Licensee Comments:

1Q/02: 5/2001: Corrected data reporting errors associated with successful events (17 to 9) and opportunities (18 to 10). Changes did not result in a threshold color change.

2Q/01: 5/2001: Corrected data reporting errors associated with successful events (17 to 9) and opportunities (18 to 10). Changes did not result in a threshold color change.

## ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 110.0 | 118.0 | 115.0 | 118.0 | 127.0 | 122.0 | 131.0 | 126.0 |
| Total Key personnel | 123.0 | 119.0 | 119.0 | 128.0 | 135.0 | 136.0 | 138.0 | 135.0 |
| | | | | | | | | |
| **Indicator value** | **89.4%** | **99.2%** | **96.6%** | **92.2%** | **94.1%** | **89.7%** | **94.9%** | **93.3%** |

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 | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/02: Plant Hatch does not use sirens as an Emergency Notification System.

## Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 27.58 | 1013.82 | 19.62 | 0 | 0.47 | 0 | 20.50 | 20.75 |
| CCTV compensatory hours | 2.0 | 0.4 | 0 | 1.1 | 0 | 9.0 | 0 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.021** | **0.067** | **0.063** | **0.055** | **0.054** | **0.002** | **0.002** | **0.003** |

Licensee Comments:

1Q/02: CCTV Normalization factor for 1Q2001 through 1Q2002 was revised (1.13 to 1.00) to reflect changes resulting from an evaluation of FAQ 253. Changes did not result in a threshold color change.

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 2Q/00 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: May 1, 2002*

# Hatch 2

## 2Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **1.8** | **1.9** | **1.9** |

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 | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **2.4** | **2.4** | **2.5** | **2.7** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 16.67 | 0.10 | 0 | 0.17 | 0 | 0 | 0.08 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0.05 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0.07 | 0 | 0.18 | 0 | 0 | 0.08 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 15.38 | 2.05 | 1.97 | 4.00 | 0 | 174.63 | 4.33 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 138.42 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **1.5%** | **1.2%** | **0.3%** | **0.3%** | **0.3%** | **0.5%** | **0.6%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 43.58 | 0 | 6.52 | 5.58 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.17 | 1.17 | 37.83 | 4.07 | 0.48 | 0.75 | 21.85 | 9.55 |
| Unplanned unavailable hours | 0 | 0 | 34.95 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 34.57 | 0 | 0 | 0 | 51.73 | 22.43 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0.05 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 50.43 | 5.02 | 5.37 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 20.25 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** |

Licensee Comments:

2Q/01: 09/2000 (train 1), 32.833 planned unavailable hours, 04/2001 (train 2), 23.5 planned unavailable hours, and 05/2001 (train 2), 1.117 planned unavailable hours were added due to a design deficiency identified that makes 2 RHRSW pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **1** | **0** | **0** | **0** | **0** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/00** | **8/00** | **9/00** | **10/00** | **11/00** | **12/00** | **1/01** | **2/01** | **3/01** | **4/01** | **5/01** | **6/01** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000020 | 0.000020 | 0.000020 | 0.000010 | 0.000020 | 0.000009 | 0.000009 | 0.000009 | 0.000009 | 0.000010 | 0.000010 | 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** |

| **Reactor Coolant System Activity** | **7/01** | **8/01** | **9/01** | **10/01** | **11/01** | **12/01** | **1/02** | **2/02** | **3/02** | **4/02** | **5/02** | **6/02** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000010 | 0.000030 | 0.000040 | 0.000008 | 0.000020 | 0.000010 | 0.000004 | 0.000040 | 0.000007 | 0.000008 | 0.000007 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 7/00 | 8/00 | 9/00 | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 2.050 | 1.640 | 1.630 | 1.660 | 1.810 | 1.630 | 1.610 | 1.630 | 1.630 | 1.640 | 1.910 | 1.820 |
| 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** | **6.8** | **5.5** | **5.4** | **5.5** | **6.0** | **5.4** | **5.4** | **5.4** | **5.4** | **5.5** | **6.4** | **6.1** |

| Reactor Coolant System Leakage | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.660 | 1.780 | 1.720 | 1.760 | 1.700 | 1.730 | 1.720 | 1.770 | 1.790 | 1.720 | 1.720 |
| 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** | **5.5** | **5.9** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.9** | **6.0** | **5.7** | **5.7** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 53.0 | 0 | 18.0 | 33.0 | 17.0 | 8.0 | 0 | 8.0 |
| Total opportunities | 55.0 | 0 | 19.0 | 34.0 | 19.0 | 8.0 | 0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **97.7%** | **97.6%** | **97.2%** | **97.2%** | **95.7%** | **95.5%** | **95.5%** | **95.8%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 118.0 | 115.0 | 118.0 | 127.0 | 122.0 | 131.0 | 126.0 | 123.0 |
| Total Key personnel | 119.0 | 119.0 | 128.0 | 135.0 | 136.0 | 138.0 | 135.0 | 127.0 |
| | | | | | | | | |
| **Indicator value** | **99.2%** | **96.6%** | **92.2%** | **94.1%** | **89.7%** | **94.9%** | **93.3%** | **96.9%** |

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/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/02: Plant Hatch does not use sirens as an emergency notification system.

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| 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 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 1013.82 | 19.62 | 0 | 0.47 | 0 | 20.50 | 20.75 | 14.06 |
| CCTV compensatory hours | 0.4 | 0 | 1.1 | 0 | 9.0 | 0 | 0 | 87.5 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.067** | **0.063** | **0.055** | **0.054** | **0.002** | **0.002** | **0.003** | **0.008** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Personnel Screening Program | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 3Q/00 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: July 31, 2002*

# Hatch 2

## 3Q/2002 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **1.8** | **1.9** | **1.9** | **1.8** |

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 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 3.0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2209.0 | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **2.4** | **2.4** | **2.5** | **2.7** | **0** | **0** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.10 | 0 | 0.17 | 0 | 0 | 0.08 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0.05 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0.07 | 0 | 0.18 | 0 | 0 | 0.08 | 0 | 56.82 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 15.38 | 2.05 | 1.97 | 4.00 | 0 | 174.63 | 4.33 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 138.42 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **1.2%** | **0.3%** | **0.3%** | **0.3%** | **0.5%** | **0.6%** | **0.5%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| **Safety System Unavailability, High Pressure Injection System (HPCI)** | **4Q/00** | **1Q/01** | **2Q/01** | **3Q/01** | **4Q/01** | **1Q/02** | **2Q/02** | **3Q/02** |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 43.58 | 0 | 6.52 | 5.58 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.17 | 37.83 | 4.07 | 0.48 | 0.75 | 21.85 | 9.55 | 1.12 |
| Unplanned unavailable hours | 0 | 34.95 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 51.73 | 22.43 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0.05 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 25.82 | 5.02 | 5.37 | 0 | 0 | 69.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 20.25 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** |

Licensee Comments:

3Q/02: Due to an engineering evaluation which concluded the removal of any one of the RHRSW pump motors would not create an overstressed condition during a seismic event, the following hours have been removed; 9/2000 (train 1) 32.833 planned hours, 4/2001 (train 2) 23.5 planned hours, and 5/2001 (train 2) 1.117 planned hours. This did not affect the color of the indicator.

2Q/01: Due to an engineering evaluation, which concluded the removal of any one of the RHRSW pump motors would not create an overstressed condition during a seismic event, the hours listed below were removed and data restored to the original value in the Q3/2002 submittal. There was no affect to the color of the indicator. 09/2000 (train 1), 32.833 planned unavailable hours, 04/2001 (train 2), 23.5 planned unavailable hours, and 05/2001 (train 2), 1.117 planned unavailable hours were added due to a design deficiency identified that makes 2 RHRSW pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

3Q/00: Due to an engineering evaluation, which concluded the removal of any one of the RHRSW pump motors would not create an overstressed condition during a seismic event, the hours listed below were removed and data restored to the original value in the Q3/2002 submittal. There was no affect to the color of the indicator. 09/2000 (train 1), 32.833 planned unavailable hours, 04/2001 (train 2), 23.5 planned unavailable hours, and 05/2001 (train 2), 1.117 planned unavailable hours were added due to a design deficiency identified that makes 2 RHRSW pumps in the same division unavailable when the motor cooling water piping is disconnected from a single pump. This did not affect the color of the indicator.

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**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **1** | **0** | **0** | **0** | **0** | **1** | **1** |

Licensee Comments: none

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## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/00** | **11/00** | **12/00** | **1/01** | **2/01** | **3/01** | **4/01** | **5/01** | **6/01** | **7/01** | **8/01** | **9/01** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000020 | 0.000009 | 0.000009 | 0.000009 | 0.000009 | 0.000010 | 0.000010 | 0.000006 | 0.000007 | 0.000010 | 0.000030 |
| 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** | **10/01** | **11/01** | **12/01** | **1/02** | **2/02** | **3/02** | **4/02** | **5/02** | **6/02** | **7/02** | **8/02** | **9/02** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000040 | 0.000008 | 0.000020 | 0.000010 | 0.000004 | 0.000040 | 0.000007 | 0.000008 | 0.000007 | 0.000007 | 0.000004 | 0.000020 |
| 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 | 10/00 | 11/00 | 12/00 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.660 | 1.810 | 1.630 | 1.610 | 1.630 | 1.630 | 1.640 | 1.910 | 1.820 | 1.650 | 1.660 | 1.780 |
| 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** | **6.0** | **5.4** | **5.4** | **5.4** | **5.4** | **5.5** | **6.4** | **6.1** | **5.5** | **5.5** | **5.9** |

| Reactor Coolant System Leakage | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.720 | 1.760 | 1.700 | 1.730 | 1.720 | 1.770 | 1.790 | 1.720 | 1.720 | 1.770 | 1.690 | 1.770 |
| 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** | **5.9** | **5.7** | **5.8** | **5.7** | **5.9** | **6.0** | **5.7** | **5.7** | **5.9** | **5.6** | **5.9** |

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 0 | 18.0 | 33.0 | 17.0 | 8.0 | 0 | 8.0 | 54.0 |
| Total opportunities | 0 | 19.0 | 34.0 | 19.0 | 8.0 | 0 | 8.0 | 56.0 |
| | | | | | | | | |
| **Indicator value** | **97.6%** | **97.2%** | **97.2%** | **95.7%** | **95.5%** | **95.5%** | **95.8%** | **95.8%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 115.0 | 118.0 | 127.0 | 122.0 | 131.0 | 126.0 | 123.0 | 119.0 |
| Total Key personnel | 119.0 | 128.0 | 135.0 | 136.0 | 138.0 | 135.0 | 127.0 | 124.0 |
| | | | | | | | | |
| **Indicator value** | **96.6%** | **92.2%** | **94.1%** | **89.7%** | **94.9%** | **93.3%** | **96.9%** | **96.0%** |

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 | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/02: Plant Hatch does not use sirens as an emergency notification system.

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **1** | **1** | **1** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 19.62 | 0 | 0.47 | 0 | 20.50 | 20.75 | 14.06 | 142.38 |
| CCTV compensatory hours | 0 | 1.1 | 0 | 9.0 | 0 | 0 | 87.5 | 2.4 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.063** | **0.055** | **0.054** | **0.002** | **0.002** | **0.003** | **0.008** | **0.015** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Personnel Screening Program | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **0** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 4Q/00 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: October 22, 2002*

# Hatch 2

## 4Q/2002 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1.8** | **1.9** | **1.9** | **1.8** | **0** |

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 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 3.0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 |
| Critical hours | 2160.0 | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **2.4** | **2.4** | **2.5** | **2.7** | **0** | **0** | **0.9** | **1.6** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0.17 | 0 | 0 | 0.08 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0.18 | 0 | 0 | 0.08 | 0 | 56.82 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 2.05 | 1.97 | 4.00 | 0 | 174.63 | 4.33 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 138.42 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.3%** | **0.3%** | **0.3%** | **0.5%** | **0.6%** | **0.5%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 43.58 | 0 | 6.52 | 5.58 | 0 | 0 | 51.23 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.8%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 37.83 | 4.07 | 0.48 | 0.75 | 21.85 | 9.55 | 1.12 | 65.28 |
| Unplanned unavailable hours | 34.95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.5%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 51.73 | 22.43 | 0 | 0 | 0 | 60.73 |
| Unplanned unavailable hours | 0.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 25.82 | 5.02 | 5.37 | 0 | 0 | 69.50 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 20.25 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.8%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **0** | **0** | **0** | **0** | **1** | **1** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/01** | **2/01** | **3/01** | **4/01** | **5/01** | **6/01** | **7/01** | **8/01** | **9/01** | **10/01** | **11/01** | **12/01** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000009 | 0.000009 | 0.000010 | 0.000010 | 0.000006 | 0.000007 | 0.000010 | 0.000030 | 0.000040 | 0.000008 | 0.000020 |
| 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** | **1/02** | **2/02** | **3/02** | **4/02** | **5/02** | **6/02** | **7/02** | **8/02** | **9/02** | **10/02** | **11/02** | **12/02** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000004 | 0.000040 | 0.000007 | 0.000008 | 0.000007 | 0.000007 | 0.000004 | 0.000020 | 0.000005 | 0.000005 | 0.000007 |
| 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 | 1/01 | 2/01 | 3/01 | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.610 | 1.630 | 1.630 | 1.640 | 1.910 | 1.820 | 1.650 | 1.660 | 1.780 | 1.720 | 1.760 | 1.700 |
| 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** | **5.4** | **5.4** | **5.4** | **5.5** | **6.4** | **6.1** | **5.5** | **5.5** | **5.9** | **5.7** | **5.9** | **5.7** |

| Reactor Coolant System Leakage | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.720 | 1.770 | 1.790 | 1.720 | 1.720 | 1.770 | 1.690 | 1.770 | 1.730 | 1.730 | 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** | **5.8** | **5.7** | **5.9** | **6.0** | **5.7** | **5.7** | **5.9** | **5.6** | **5.9** | **5.8** | **5.8** | **5.8** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 18.0 | 33.0 | 17.0 | 8.0 | 0 | 8.0 | 54.0 | 5.0 |
| Total opportunities | 19.0 | 34.0 | 19.0 | 8.0 | 0 | 8.0 | 56.0 | 6.0 |
| | | | | | | | | |
| **Indicator value** | **97.2%** | **97.2%** | **95.7%** | **95.5%** | **95.5%** | **95.8%** | **95.8%** | **95.3%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 118.0 | 127.0 | 122.0 | 131.0 | 126.0 | 123.0 | 119.0 | 114.0 |
| Total Key personnel | 128.0 | 135.0 | 136.0 | 138.0 | 135.0 | 127.0 | 124.0 | 117.0 |
| | | | | | | | | |
| **Indicator value** | **92.2%** | **94.1%** | **89.7%** | **94.9%** | **93.3%** | **96.9%** | **96.0%** | **97.4%** |

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 | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/02: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 0 | 0.47 | 0 | 20.50 | 20.75 | 14.06 | 142.38 | 48.00 |
| CCTV compensatory hours | 1.1 | 0 | 9.0 | 0 | 0 | 87.5 | 2.4 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.055** | **0.054** | **0.002** | **0.002** | **0.003** | **0.008** | **0.015** | **0.017** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Personnel Screening Program | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **1** | **0** | **0** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 1Q/01 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: January 30, 2003*

# Hatch 2

## 1Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **1.8** | **1.9** | **1.9** | **1.8** | **0** | **0** |

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/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **1.0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 0 |
| Critical hours | 2183.0 | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 |
| | | | | | | | | |
| **Indicator value** | **2.4** | **2.5** | **2.7** | **0** | **0** | **0.9** | **1.6** | **1.7** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.17 | 0 | 0 | 0.08 | 0 | 0 | 0 | 0.13 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0.18 | 0 | 0 | 0.08 | 0 | 56.82 | 0 | 0.05 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 1.97 | 4.00 | 0 | 174.63 | 4.33 | 0 | 0 | 0.22 |
| Unplanned unavailable hours | 0 | 0 | 138.42 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.3%** | **0.3%** | **0.5%** | **0.6%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 43.58 | 0 | 6.52 | 5.58 | 0 | 0 | 51.23 | 1.72 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.95 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.05 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.8%** | **0.5%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 4.07 | 0.48 | 0.75 | 21.85 | 9.55 | 1.12 | 65.28 | 1.40 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.5%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 51.73 | 22.43 | 0 | 0 | 0 | 60.73 | 39.95 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 25.82 | 5.02 | 5.37 | 0 | 0 | 69.50 | 0 | 3.93 |
| Unplanned unavailable hours | 0 | 0 | 0 | 20.25 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.8%** | **0.6%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

### Notes

| **Reactor Coolant System Activity** | **4/01** | **5/01** | **6/01** | **7/01** | **8/01** | **9/01** | **10/01** | **11/01** | **12/01** | **1/02** | **2/02** | **3/02** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000010 | 0.000006 | 0.000007 | 0.000010 | 0.000030 | 0.000040 | 0.000008 | 0.000020 | 0.000010 | 0.000004 | 0.000040 |
| 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** | **4/02** | **5/02** | **6/02** | **7/02** | **8/02** | **9/02** | **10/02** | **11/02** | **12/02** | **1/03** | **2/03** | **3/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000008 | 0.000007 | 0.000007 | 0.000004 | 0.000020 | 0.000005 | 0.000005 | 0.000007 | 0.000008 | 0.000008 | N/A |
| 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** | **N/A** |

Licensee Comments:

3/03: Unit 2 was in a refueling outage in March, 2003.

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 4/01 | 5/01 | 6/01 | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.640 | 1.910 | 1.820 | 1.650 | 1.660 | 1.780 | 1.720 | 1.760 | 1.700 | 1.730 | 1.720 | 1.770 |
| 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** | **6.4** | **6.1** | **5.5** | **5.5** | **5.9** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.9** |

| Reactor Coolant System Leakage | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.790 | 1.720 | 1.720 | 1.770 | 1.690 | 1.770 | 1.730 | 1.730 | 1.730 | 1.790 | 1.740 | 1.660 |
| 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** | **6.0** | **5.7** | **5.7** | **5.9** | **5.6** | **5.9** | **5.8** | **5.8** | **5.8** | **6.0** | **5.8** | **5.5** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 33.0 | 17.0 | 8.0 | 0 | 8.0 | 54.0 | 5.0 | 6.0 |
| Total opportunities | 34.0 | 19.0 | 8.0 | 0 | 8.0 | 56.0 | 6.0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **97.2%** | **95.7%** | **95.5%** | **95.5%** | **95.8%** | **95.8%** | **95.3%** | **94.2%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 127.0 | 122.0 | 131.0 | 126.0 | 123.0 | 119.0 | 114.0 | 113.0 |
| Total Key personnel | 135.0 | 136.0 | 138.0 | 135.0 | 127.0 | 124.0 | 117.0 | 120.0 |
| | | | | | | | | |
| **Indicator value** | **94.1%** | **89.7%** | **94.9%** | **93.3%** | **96.9%** | **96.0%** | **97.4%** | **94.2%** |

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 | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/03: Plant Hatch does not use sirens as an emergency notification system.

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 0.47 | 0 | 20.50 | 20.75 | 14.06 | 142.38 | 48.00 | 43.37 |
| CCTV compensatory hours | 0 | 9.0 | 0 | 0 | 87.5 | 2.4 | 0 | 0.7 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.054** | **0.002** | **0.002** | **0.003** | **0.008** | **0.015** | **0.017** | **0.018** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Personnel Screening Program | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 2Q/01 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: April 22, 2003*

# Hatch 2

## 2Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **1.8** | **1.9** | **1.9** | **1.8** | **0** | **0** | **0** |

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 | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 0 | 2.0 |
| Critical hours | 1824.8 | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **2.5** | **2.7** | **0** | **0** | **0.9** | **1.6** | **1.7** | **3.5** |

Licensee Comments: none

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.08 | 0 | 0 | 0 | 0.13 | 21.25 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.08 | 0 | 56.82 | 0 | 0.05 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 4.00 | 0 | 174.63 | 4.33 | 0 | 0 | 0.22 | 39.80 |
| Unplanned unavailable hours | 0 | 138.42 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.3%** | **0.5%** | **0.6%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| **Safety System Unavailability, High Pressure Injection System (HPCI)** | **3Q/01** | **4Q/01** | **1Q/02** | **2Q/02** | **3Q/02** | **4Q/02** | **1Q/03** | **2Q/03** |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 6.52 | 5.58 | 0 | 0 | 51.23 | 1.72 | 84.95 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 6.95 | 47.25 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 3.05 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.8%** | **0.5%** | **1.0%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.48 | 0.75 | 21.85 | 9.55 | 1.12 | 65.28 | 1.40 | 0.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1824.77 | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **0.7%** | **0.7%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 51.73 | 22.43 | 0 | 0 | 0 | 60.73 | 39.95 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 5.02 | 5.37 | 0 | 0 | 69.50 | 0 | 3.93 | 0 |
| Unplanned unavailable hours | 0 | 0 | 20.25 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.8%** | **0.6%** | **0.6%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/01** | **8/01** | **9/01** | **10/01** | **11/01** | **12/01** | **1/02** | **2/02** | **3/02** | **4/02** | **5/02** | **6/02** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000010 | 0.000030 | 0.000040 | 0.000008 | 0.000020 | 0.000010 | 0.000004 | 0.000040 | 0.000007 | 0.000008 | 0.000007 |
| 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** | **7/02** | **8/02** | **9/02** | **10/02** | **11/02** | **12/02** | **1/03** | **2/03** | **3/03** | **4/03** | **5/03** | **6/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000004 | 0.000020 | 0.000005 | 0.000005 | 0.000007 | 0.000008 | 0.000008 | N/A | 0.000009 | 0.000007 | 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** | **N/A** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 7/01 | 8/01 | 9/01 | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.650 | 1.660 | 1.780 | 1.720 | 1.760 | 1.700 | 1.730 | 1.720 | 1.770 | 1.790 | 1.720 | 1.720 |
| 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** | **5.5** | **5.9** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.9** | **6.0** | **5.7** | **5.7** |

| Reactor Coolant System Leakage | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.770 | 1.690 | 1.770 | 1.730 | 1.730 | 1.730 | 1.790 | 1.740 | 1.660 | 1.750 | 1.750 | 1.760 |
| 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** | **5.9** | **5.6** | **5.9** | **5.8** | **5.8** | **5.8** | **6.0** | **5.8** | **5.5** | **5.8** | **5.8** | **5.9** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 17.0 | 8.0 | 0 | 8.0 | 54.0 | 5.0 | 6.0 | 6.0 |
| Total opportunities | 19.0 | 8.0 | 0 | 8.0 | 56.0 | 6.0 | 8.0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **95.7%** | **95.5%** | **95.5%** | **95.8%** | **95.8%** | **95.3%** | **94.2%** | **92.0%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 122.0 | 131.0 | 126.0 | 123.0 | 119.0 | 114.0 | 113.0 | 107.0 |
| Total Key personnel | 136.0 | 138.0 | 135.0 | 127.0 | 124.0 | 117.0 | 120.0 | 116.0 |
| | | | | | | | | |
| **Indicator value** | **89.7%** | **94.9%** | **93.3%** | **96.9%** | **96.0%** | **97.4%** | **94.2%** | **92.2%** |

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/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/03: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 0 | 20.50 | 20.75 | 14.06 | 142.38 | 48.00 | 43.37 | 11.04 |
| CCTV compensatory hours | 9.0 | 0 | 0 | 87.5 | 2.4 | 0 | 0.7 | 2.2 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.002** | **0.002** | **0.003** | **0.008** | **0.015** | **0.017** | **0.018** | **0.013** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Personnel Screening Program | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 3Q/01 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: July 22, 2003*

# Hatch 2

## 3Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **1.8** | **1.9** | **1.9** | **1.8** | **0** | **0** | **0** | **0** |

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 | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 1.0 | 0 | 2.0 | 0 |
| Critical hours | 1503.1 | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **2.7** | **0** | **0** | **0.9** | **1.6** | **1.7** | **3.5** | **2.6** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0.08 | 0 | 0 | 0 | 0.13 | 21.25 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0.08 | 0 | 56.82 | 0 | 0.05 | 0 | 1.28 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 174.63 | 4.33 | 0 | 0 | 0.22 | 39.80 | 0 |
| Unplanned unavailable hours | 138.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.6%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 6.52 | 5.58 | 0 | 0 | 51.23 | 1.72 | 84.95 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 6.95 | 47.25 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 3.05 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.8%** | **0.5%** | **1.0%** | **1.0%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.75 | 21.85 | 9.55 | 1.12 | 65.28 | 1.40 | 0.50 | 1.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138.40 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1503.09 | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **0.7%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **1.3%** |

Licensee Comments:

3Q/03: RCIC, 2.783 hours of T/2 fault exposure hours.

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 22.43 | 0 | 0 | 0 | 60.73 | 39.95 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 5.37 | 0 | 0 | 69.50 | 0 | 3.93 | 0 | 3.83 |
| Unplanned unavailable hours | 0 | 20.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.8%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **1** | **1** | **1** | **1** | **2** | **2** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/01** | **11/01** | **12/01** | **1/02** | **2/02** | **3/02** | **4/02** | **5/02** | **6/02** | **7/02** | **8/02** | **9/02** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000040 | 0.000008 | 0.000020 | 0.000010 | 0.000004 | 0.000040 | 0.000007 | 0.000008 | 0.000007 | 0.000007 | 0.000004 | 0.000020 |
| 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** | **10/02** | **11/02** | **12/02** | **1/03** | **2/03** | **3/03** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000005 | 0.000005 | 0.000007 | 0.000008 | 0.000008 | N/A | 0.000009 | 0.000007 | 0.000009 | 0.000005 | 0.000010 | 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** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Leakage | 10/01 | 11/01 | 12/01 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.720 | 1.760 | 1.700 | 1.730 | 1.720 | 1.770 | 1.790 | 1.720 | 1.720 | 1.770 | 1.690 | 1.770 |
| 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** | **5.9** | **5.7** | **5.8** | **5.7** | **5.9** | **6.0** | **5.7** | **5.7** | **5.9** | **5.6** | **5.9** |

| Reactor Coolant System Leakage | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.730 | 1.730 | 1.790 | 1.740 | 1.660 | 1.750 | 1.750 | 1.760 | 1.740 | 1.760 | 1.740 |
| 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** | **5.8** | **5.8** | **6.0** | **5.8** | **5.5** | **5.8** | **5.8** | **5.9** | **5.8** | **5.9** | **5.8** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 8.0 | 0 | 8.0 | 54.0 | 5.0 | 6.0 | 6.0 | 71.0 |
| Total opportunities | 8.0 | 0 | 8.0 | 56.0 | 6.0 | 8.0 | 8.0 | 72.0 |
| | | | | | | | | |
| **Indicator value** | **95.5%** | **95.5%** | **95.8%** | **95.8%** | **95.3%** | **94.2%** | **92.0%** | **95.2%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 131.0 | 126.0 | 123.0 | 119.0 | 114.0 | 113.0 | 107.0 | 130.0 |
| Total Key personnel | 138.0 | 135.0 | 127.0 | 124.0 | 117.0 | 120.0 | 116.0 | 131.0 |
| | | | | | | | | |
| **Indicator value** | **94.9%** | **93.3%** | **96.9%** | **96.0%** | **97.4%** | **94.2%** | **92.2%** | **99.2%** |

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/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/03: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

### Notes

| RETS/ODCM Radiological Effluent | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 20.50 | 20.75 | 14.06 | 142.38 | 48.00 | 43.37 | 11.04 | 0.95 |
| CCTV compensatory hours | 0 | 0 | 87.5 | 2.4 | 0 | 0.7 | 2.2 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.002** | **0.003** | **0.008** | **0.015** | **0.017** | **0.018** | **0.013** | **0.006** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Personnel Screening Program | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 4Q/01 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: October 22, 2003*

# Hatch 2

## 4Q/2003 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **1.9** | **1.9** | **1.8** | **0** | **0** | **0** | **0** | **0** |

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 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1.0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 1.0 | 0 | 2.0 | 0 | 0 |
| Critical hours | 1964.6 | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0.9** | **1.6** | **1.7** | **3.5** | **2.6** | **1.7** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.08 | 0 | 0 | 0 | 0.13 | 21.25 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0.08 | 0 | 56.82 | 0 | 0.05 | 0 | 1.28 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 174.63 | 4.33 | 0 | 0 | 0.22 | 39.80 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| **Safety System Unavailability, High Pressure Injection System (HPCI)** | **1Q/02** | **2Q/02** | **3Q/02** | **4Q/02** | **1Q/03** | **2Q/03** | **3Q/03** | **4Q/03** |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 5.58 | 0 | 0 | 51.23 | 1.72 | 84.95 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 6.95 | 47.25 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 3.05 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.8%** | **0.5%** | **1.0%** | **1.0%** | **1.0%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 21.85 | 9.55 | 1.12 | 65.28 | 1.40 | 0.50 | 1.50 | 0.42 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 138.40 | 147.83 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1964.57 | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **1.3%** | **1.9%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 60.73 | 39.95 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 69.50 | 0 | 3.93 | 0 | 3.83 | 0 |
| Unplanned unavailable hours | 20.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.7%** | **0.8%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** | **2** | **2** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000004 | 0.000040 | 0.000007 | 0.000008 | 0.000007 | 0.000007 | 0.000004 | 0.000020 | 0.000005 | 0.000005 | 0.000007 |
| 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 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000008 | N/A | 0.000009 | 0.000007 | 0.000009 | 0.000005 | 0.000010 | 0.000006 | 0.000009 | 0.000007 | 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** | **N/A** | **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 | 1/02 | 2/02 | 3/02 | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.720 | 1.770 | 1.790 | 1.720 | 1.720 | 1.770 | 1.690 | 1.770 | 1.730 | 1.730 | 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** | **5.8** | **5.7** | **5.9** | **6.0** | **5.7** | **5.7** | **5.9** | **5.6** | **5.9** | **5.8** | **5.8** | **5.8** |

| Reactor Coolant System Leakage | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.790 | 1.740 | 1.660 | 1.750 | 1.750 | 1.760 | 1.740 | 1.760 | 1.740 | 1.720 | 1.720 | 1.680 |
| 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** | **6.0** | **5.8** | **5.5** | **5.8** | **5.8** | **5.9** | **5.8** | **5.9** | **5.8** | **5.7** | **5.7** | **5.6** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 0 | 8.0 | 54.0 | 5.0 | 6.0 | 6.0 | 71.0 | 5.0 |
| Total opportunities | 0 | 8.0 | 56.0 | 6.0 | 8.0 | 8.0 | 72.0 | 6.0 |
| | | | | | | | | |
| **Indicator value** | **95.5%** | **95.8%** | **95.8%** | **95.3%** | **94.2%** | **92.0%** | **95.2%** | **94.5%** |

Licensee Comments: none

## Notes

| ERO Drill Participation | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 126.0 | 123.0 | 119.0 | 114.0 | 113.0 | 107.0 | 130.0 | 128.0 |
| Total Key personnel | 135.0 | 127.0 | 124.0 | 117.0 | 120.0 | 116.0 | 131.0 | 128.0 |
| | | | | | | | | |
| **Indicator value** | **93.3%** | **96.9%** | **96.0%** | **97.4%** | **94.2%** | **92.2%** | **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 | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/03: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 20.75 | 14.06 | 142.38 | 48.00 | 43.37 | 11.04 | 0.95 | 111.33 |
| CCTV compensatory hours | 0 | 87.5 | 2.4 | 0 | 0.7 | 2.2 | 0 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.003** | **0.008** | **0.015** | **0.017** | **0.018** | **0.013** | **0.006** | **0.009** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Personnel Screening Program | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 1Q/02 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: January 23, 2004*

# Hatch 2

## 1Q/2004 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **1.9** | **1.8** | **0** | **0** | **0** | **0** | **0** | **0** |

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/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 1.0 | 0 | 2.0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **1.6** | **1.7** | **3.5** | **2.6** | **1.7** | **1.6** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0.13 | 21.25 | 0 | 0 | 3.80 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.05 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 56.82 | 0 | 0.05 | 0 | 1.28 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33.83 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 4.33 | 0 | 0 | 0.22 | 39.80 | 0 | 0 | 19.00 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.03 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 51.23 | 1.72 | 84.95 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 6.95 | 47.25 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 3.05 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.8%** | **0.5%** | **1.0%** | **1.0%** | **1.0%** | **1.0%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 9.55 | 1.12 | 65.28 | 1.40 | 0.50 | 1.50 | 0.42 | 0.77 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 138.40 | 147.83 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **1.3%** | **1.9%** | **1.6%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 60.73 | 39.95 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 69.50 | 0 | 3.93 | 0 | 3.83 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.7%** | **0.8%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **2** | **2** | **2** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 4/02 | 5/02 | 6/02 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000008 | 0.000007 | 0.000007 | 0.000004 | 0.000020 | 0.000005 | 0.000005 | 0.000007 | 0.000008 | 0.000008 | N/A |
| 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** | **N/A** |

| Reactor Coolant System Activity | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000007 | 0.000009 | 0.000005 | 0.000010 | 0.000006 | 0.000009 | 0.000007 | 0.000006 | 0.000008 | 0.000009 | 0.000008 |
| 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** | **4/02** | **5/02** | **6/02** | **7/02** | **8/02** | **9/02** | **10/02** | **11/02** | **12/02** | **1/03** | **2/03** | **3/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.790 | 1.720 | 1.720 | 1.770 | 1.690 | 1.770 | 1.730 | 1.730 | 1.730 | 1.790 | 1.740 | 1.660 |
| 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** | **6.0** | **5.7** | **5.7** | **5.9** | **5.6** | **5.9** | **5.8** | **5.8** | **5.8** | **6.0** | **5.8** | **5.5** |

| **Reactor Coolant System Leakage** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.750 | 1.750 | 1.760 | 1.740 | 1.760 | 1.740 | 1.720 | 1.720 | 1.680 | 1.690 | 1.620 | 1.590 |
| 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** | **5.8** | **5.9** | **5.8** | **5.9** | **5.8** | **5.7** | **5.7** | **5.6** | **5.6** | **5.4** | **5.3** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 8.0 | 54.0 | 5.0 | 6.0 | 6.0 | 71.0 | 5.0 | 2.0 |
| Total opportunities | 8.0 | 56.0 | 6.0 | 8.0 | 8.0 | 72.0 | 6.0 | 2.0 |
| | | | | | | | | |
| **Indicator value** | **95.8%** | **95.8%** | **95.3%** | **94.2%** | **92.0%** | **95.2%** | **94.5%** | **94.6%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 123.0 | 119.0 | 114.0 | 113.0 | 107.0 | 130.0 | 128.0 | 119.0 |
| Total Key personnel | 127.0 | 124.0 | 117.0 | 120.0 | 116.0 | 131.0 | 128.0 | 120.0 |
| | | | | | | | | |
| **Indicator value** | **96.9%** | **96.0%** | **97.4%** | **94.2%** | **92.2%** | **99.2%** | **100.0%** | **99.2%** |

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 | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments: none

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 0.080

## Notes

| Protected Area Security Performance Index | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| IDS compensatory hours | 14.06 | 142.38 | 48.00 | 43.37 | 11.04 | 0.95 | 111.33 | 0 |
| CCTV compensatory hours | 87.5 | 2.4 | 0 | 0.7 | 2.2 | 0 | 0 | 0 |
| IDS normalization factor | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| CCTV normalization factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | | | | | | | | |
| **Index Value** | **0.008** | **0.015** | **0.017** | **0.018** | **0.013** | **0.006** | **0.009** | **0.007** |

Licensee Comments: none

## Personnel Screening Program

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Personnel Screening Program | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Program failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## FFD/Personnel Reliability

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| FFD/Personnel Reliability | 2Q/02 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 |
|---|---|---|---|---|---|---|---|---|
| Program Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

PI Summary | Inspection Findings Summary | Reactor Oversight Process

*Last Modified: April 22, 2004*

# Hatch 2

## 2Q/2004 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **1.8** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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 | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 1.0 | 0 | 2.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **1.6** | **1.7** | **3.5** | **2.6** | **1.7** | **1.6** | **0** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.13 | 21.25 | 0 | 0 | 3.80 | 1.84 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 3.05 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 56.82 | 0 | 0.05 | 0 | 1.28 | 0 | 0 | 0.10 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 33.83 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.22 | 39.80 | 0 | 0 | 19.00 | 2.06 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 2.03 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 51.23 | 1.72 | 84.95 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 6.95 | 47.25 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 3.05 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.8%** | **0.5%** | **1.0%** | **1.0%** | **1.0%** | **1.0%** | **0.9%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.12 | 65.28 | 1.40 | 0.50 | 1.50 | 0.42 | 0.77 | 0.42 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 138.40 | 147.83 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **0.7%** | **0.7%** | **0.7%** | **1.3%** | **1.9%** | **1.6%** | **1.6%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 60.73 | 39.95 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 69.50 | 0 | 3.93 | 0 | 3.83 | 0 | 0 | 19.53 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.8%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **2** | **2** | **2** | **2** | **0** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000004 | 0.000020 | 0.000005 | 0.000005 | 0.000007 | 0.000008 | 0.000008 | N/A | 0.000009 | 0.000007 | 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** | **N/A** | **0** | **0** | **0** |

| Reactor Coolant System Activity | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000005 | 0.000010 | 0.000006 | 0.000009 | 0.000007 | 0.000006 | 0.000008 | 0.000009 | 0.000008 | 0.000006 | 0.000009 | 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 | 7/02 | 8/02 | 9/02 | 10/02 | 11/02 | 12/02 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.770 | 1.690 | 1.770 | 1.730 | 1.730 | 1.730 | 1.790 | 1.740 | 1.660 | 1.750 | 1.750 | 1.760 |
| 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** | **5.9** | **5.6** | **5.9** | **5.8** | **5.8** | **5.8** | **6.0** | **5.8** | **5.5** | **5.8** | **5.8** | **5.9** |
| **Reactor Coolant System Leakage** | **7/03** | **8/03** | **9/03** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** |
| Maximum leakage | 1.740 | 1.760 | 1.740 | 1.720 | 1.720 | 1.680 | 1.690 | 1.620 | 1.590 | 1.580 | 1.560 | 1.570 |
| 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** | **5.9** | **5.8** | **5.7** | **5.7** | **5.6** | **5.6** | **5.4** | **5.3** | **5.3** | **5.2** | **5.2** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 54.0 | 5.0 | 6.0 | 6.0 | 71.0 | 5.0 | 2.0 | 17.0 |
| Total opportunities | 56.0 | 6.0 | 8.0 | 8.0 | 72.0 | 6.0 | 2.0 | 18.0 |
| | | | | | | | | |
| **Indicator value** | **95.8%** | **95.3%** | **94.2%** | **92.0%** | **95.2%** | **94.5%** | **94.6%** | **94.3%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 119.0 | 114.0 | 113.0 | 107.0 | 130.0 | 128.0 | 119.0 | 116.0 |
| Total Key personnel | 124.0 | 117.0 | 120.0 | 116.0 | 131.0 | 128.0 | 120.0 | 116.0 |
| | | | | | | | | |
| **Indicator value** | **96.0%** | **97.4%** | **94.2%** | **92.2%** | **99.2%** | **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/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments: none

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/02 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: September 8, 2004*

# Hatch 2

## 3Q/2004 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 |
| | | | | | | | | |
| **Indicator value** | **1.6** | **1.7** | **3.5** | **2.6** | **1.7** | **1.6** | **0** | **0** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0.13 | 21.25 | 0 | 0 | 3.80 | 1.84 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 3.05 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0.05 | 0 | 1.28 | 0 | 0 | 0.10 | 1.42 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 33.83 | 0 | 33.25 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 0.22 | 39.80 | 0 | 0 | 19.00 | 2.06 | 1.55 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 2.03 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 51.23 | 1.72 | 84.95 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 6.95 | 47.25 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 3.05 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 |
| | | | | | | | | |
| **Indicator value** | **0.8%** | **0.5%** | **1.0%** | **1.0%** | **1.0%** | **1.0%** | **0.9%** | **0.8%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 65.28 | 1.40 | 0.50 | 1.50 | 0.42 | 0.77 | 0.42 | 0.42 |
| Unplanned unavailable hours | 0 | 0 | 0 | 138.40 | 147.83 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **0.7%** | **1.3%** | **1.9%** | **1.6%** | **1.6%** | **1.6%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 60.73 | 39.95 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 3.93 | 0 | 3.83 | 0 | 0 | 19.53 | 4.45 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.8%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.5%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **2** | **2** | **2** | **2** | **0** | **0** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/02** | **11/02** | **12/02** | **1/03** | **2/03** | **3/03** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000005 | 0.000005 | 0.000007 | 0.000008 | 0.000008 | N/A | 0.000009 | 0.000007 | 0.000009 | 0.000005 | 0.000010 | 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** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** |

| **Reactor Coolant System Activity** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000007 | 0.000006 | 0.000008 | 0.000009 | 0.000008 | 0.000006 | 0.000009 | 0.000006 | 0.000009 | 0.000009 | 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** | **10/02** | **11/02** | **12/02** | **1/03** | **2/03** | **3/03** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.730 | 1.730 | 1.790 | 1.740 | 1.660 | 1.750 | 1.750 | 1.760 | 1.740 | 1.760 | 1.740 |
| 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** | **5.8** | **5.8** | **6.0** | **5.8** | **5.5** | **5.8** | **5.8** | **5.9** | **5.8** | **5.9** | **5.8** |
| **Reactor Coolant System Leakage** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** |
| Maximum leakage | 1.720 | 1.720 | 1.680 | 1.690 | 1.620 | 1.590 | 1.580 | 1.560 | 1.570 | 1.570 | 1.670 | 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** | **5.7** | **5.7** | **5.6** | **5.6** | **5.4** | **5.3** | **5.3** | **5.2** | **5.2** | **5.2** | **5.6** | **5.8** |

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 5.0 | 6.0 | 6.0 | 71.0 | 5.0 | 2.0 | 17.0 | 34.0 |
| Total opportunities | 6.0 | 8.0 | 8.0 | 72.0 | 6.0 | 2.0 | 18.0 | 34.0 |
| | | | | | | | | |
| **Indicator value** | **95.3%** | **94.2%** | **92.0%** | **95.2%** | **94.5%** | **94.6%** | **94.3%** | **94.8%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 114.0 | 113.0 | 107.0 | 130.0 | 128.0 | 119.0 | 116.0 | 111.0 |
| Total Key personnel | 117.0 | 120.0 | 116.0 | 131.0 | 128.0 | 120.0 | 116.0 | 111.0 |
| | | | | | | | | |
| **Indicator value** | **97.4%** | **94.2%** | **92.2%** | **99.2%** | **100.0%** | **99.2%** | **100.0%** | **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 | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/04: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/02 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: October 25, 2004*

# Hatch 2

## 4Q/2004 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1493.7 | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 |
| | | | | | | | | |
| **Indicator value** | **1.7** | **3.5** | **2.6** | **1.7** | **1.6** | **0** | **0** | **0** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.13 | 21.25 | 0 | 0 | 3.80 | 1.84 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 3.05 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0.05 | 0 | 1.28 | 0 | 0 | 0.10 | 1.42 | 1.38 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 33.83 | 0 | 33.25 | 3.75 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 262.45 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0.22 | 39.80 | 0 | 0 | 19.00 | 2.06 | 1.55 | 33.08 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 2.03 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.9%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.72 | 84.95 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 6.95 | 47.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 3.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 |
| | | | | | | | | |
| **Indicator value** | **0.5%** | **1.0%** | **1.0%** | **1.0%** | **1.0%** | **0.9%** | **0.8%** | **0.8%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.40 | 0.50 | 1.50 | 0.42 | 0.77 | 0.42 | 0.42 | 0.42 |
| Unplanned unavailable hours | 0 | 0 | 138.40 | 147.83 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 1493.65 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **0.7%** | **1.3%** | **1.9%** | **1.6%** | **1.6%** | **1.6%** | **1.5%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 39.95 | 0 | 0 | 0 | 0 | 0 | 0 | 38.07 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 3.93 | 0 | 3.83 | 0 | 0 | 19.53 | 4.45 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.5%** | **0.5%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **1** | **2** | **2** | **2** | **2** | **0** | **0** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/03** | **2/03** | **3/03** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** | **10/03** | **11/03** | **12/03** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000008 | N/A | 0.000009 | 0.000007 | 0.000009 | 0.000005 | 0.000010 | 0.000006 | 0.000009 | 0.000007 | 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** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

| **Reactor Coolant System Activity** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000009 | 0.000008 | 0.000006 | 0.000009 | 0.000006 | 0.000009 | 0.000009 | 0.000006 | 0.000007 | 0.000007 | 0.000007 |
| 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 | 1/03 | 2/03 | 3/03 | 4/03 | 5/03 | 6/03 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.790 | 1.740 | 1.660 | 1.750 | 1.750 | 1.760 | 1.740 | 1.760 | 1.740 | 1.720 | 1.720 | 1.680 |
| 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** | **6.0** | **5.8** | **5.5** | **5.8** | **5.8** | **5.9** | **5.8** | **5.9** | **5.8** | **5.7** | **5.7** | **5.6** |

| Reactor Coolant System Leakage | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.690 | 1.620 | 1.590 | 1.580 | 1.560 | 1.570 | 1.570 | 1.670 | 1.730 | 1.870 | 1.800 | 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** | **5.6** | **5.4** | **5.3** | **5.3** | **5.2** | **5.2** | **5.2** | **5.6** | **5.8** | **6.2** | **6.0** | **5.8** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 6.0 | 6.0 | 71.0 | 5.0 | 2.0 | 17.0 | 34.0 | 18.0 |
| Total opportunities | 8.0 | 8.0 | 72.0 | 6.0 | 2.0 | 18.0 | 34.0 | 19.0 |
| | | | | | | | | |
| **Indicator value** | **94.2%** | **92.0%** | **95.2%** | **94.5%** | **94.6%** | **94.3%** | **94.8%** | **95.2%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 113.0 | 107.0 | 130.0 | 128.0 | 119.0 | 116.0 | 111.0 | 114.0 |
| Total Key personnel | 120.0 | 116.0 | 131.0 | 128.0 | 120.0 | 116.0 | 111.0 | 114.0 |
| | | | | | | | | |
| **Indicator value** | **94.2%** | **92.2%** | **99.2%** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **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 | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/04: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/03 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: March 9, 2005*

# Hatch 2

## 1Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 |
| | | | | | | | | |
| **Indicator value** | **3.5** | **2.6** | **1.7** | **1.6** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 21.25 | 0 | 0 | 3.80 | 1.84 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 3.05 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 1.28 | 0 | 0 | 0.10 | 1.42 | 25.38 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 33.83 | 0 | 33.25 | 3.75 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 39.80 | 0 | 0 | 19.00 | 2.06 | 1.55 | 33.08 | 1.48 |
| Unplanned unavailable hours | 0 | 0 | 0 | 2.03 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.6%** | **0.4%** |

Licensee Comments:

4Q/04: Train 2, Planned Unavailable Hours (Nov. 2004): originally submitted as 1.383 hours because the RAS start date was entered as 11/30/04 rather than the correct 11/29/04 in the D/G Availability.xls file. Train 2, Fault Exposure Hours (Dec. 2004): This was originally entered as 262.45 hours in the fault exposure column and as 131.225 hours in the T/2 column. Since this was T/2 fault exposure, it should only be in the T/2 column as 131.225 hours.

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 84.95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 47.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 |
| | | | | | | | | |
| **Indicator value** | **1.0%** | **1.0%** | **1.0%** | **1.0%** | **0.9%** | **0.8%** | **0.8%** | **0.8%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.50 | 1.50 | 0.42 | 0.77 | 0.42 | 0.42 | 0.42 | 102.20 |
| Unplanned unavailable hours | 0 | 138.40 | 147.83 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13.42 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 |
| | | | | | | | | |
| **Indicator value** | **0.7%** | **1.3%** | **1.9%** | **1.6%** | **1.6%** | **1.6%** | **1.5%** | **2.0%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 38.07 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 3.83 | 0 | 0 | 19.53 | 4.45 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **2** | **2** | **0** | **0** | **1** | **1** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000007 | 0.000009 | 0.000005 | 0.000010 | 0.000006 | 0.000009 | 0.000007 | 0.000006 | 0.000008 | 0.000009 | 0.000008 |
| 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** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000006 | 0.000009 | 0.000006 | 0.000009 | 0.000009 | 0.000006 | 0.000007 | 0.000007 | 0.000007 | 0.000008 | 0.000007 | 0.000012 |
| 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** | **4/03** | **5/03** | **6/03** | **7/03** | **8/03** | **9/03** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.750 | 1.750 | 1.760 | 1.740 | 1.760 | 1.740 | 1.720 | 1.720 | 1.680 | 1.690 | 1.620 | 1.590 |
| 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** | **5.8** | **5.9** | **5.8** | **5.9** | **5.8** | **5.7** | **5.7** | **5.6** | **5.6** | **5.4** | **5.3** |
| **Reactor Coolant System Leakage** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** |
| Maximum leakage | 1.580 | 1.560 | 1.570 | 1.570 | 1.670 | 1.730 | 1.870 | 1.800 | 1.730 | 1.740 | 1.730 | 1.780 |
| 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** | **5.3** | **5.2** | **5.2** | **5.2** | **5.6** | **5.8** | **6.2** | **6.0** | **5.8** | **5.8** | **5.8** | **5.9** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 6.0 | 71.0 | 5.0 | 2.0 | 17.0 | 34.0 | 18.0 | 1.0 |
| Total opportunities | 8.0 | 72.0 | 6.0 | 2.0 | 18.0 | 34.0 | 19.0 | 2.0 |
| | | | | | | | | |
| **Indicator value** | **92.0%** | **95.2%** | **94.5%** | **94.6%** | **94.3%** | **94.8%** | **95.2%** | **95.7%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 107.0 | 130.0 | 128.0 | 119.0 | 116.0 | 111.0 | 114.0 | 109.0 |
| Total Key personnel | 116.0 | 131.0 | 128.0 | 120.0 | 116.0 | 111.0 | 114.0 | 111.0 |
| | | | | | | | | |
| **Indicator value** | **92.2%** | **99.2%** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **98.2%** |

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 | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/05: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/03 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: June 17, 2005*

# Hatch 2

## 2Q/2005 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **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 | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2208.0 | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 |
| | | | | | | | | |
| **Indicator value** | **2.6** | **1.7** | **1.6** | **0** | **0** | **0** | **0** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 3.80 | 1.84 | 0 | 0 | 0 | 0.22 |
| Unplanned unavailable hours | 0 | 0 | 3.05 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 1.28 | 0 | 0 | 0.10 | 1.42 | 25.38 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 33.83 | 0 | 33.25 | 3.75 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 19.00 | 2.06 | 1.55 | 33.08 | 1.48 | 1.80 |
| Unplanned unavailable hours | 0 | 0 | 2.03 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.6%** | **0.4%** | **0.4%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93.48 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 |
| | | | | | | | | |
| **Indicator value** | **1.0%** | **1.0%** | **1.0%** | **0.9%** | **0.8%** | **0.8%** | **0.8%** | **1.2%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.50 | 0.42 | 0.77 | 0.42 | 0.42 | 0.42 | 102.20 | 0.58 |
| Unplanned unavailable hours | 138.40 | 147.83 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 13.42 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 |
| | | | | | | | | |
| **Indicator value** | **1.3%** | **1.9%** | **1.6%** | **1.6%** | **1.6%** | **1.5%** | **2.0%** | **1.9%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 38.07 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 3.83 | 0 | 0 | 19.53 | 4.45 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2208.00 | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **2** | **0** | **0** | **1** | **1** | **3** |

Licensee Comments:

2Q/05: LERs 2005-001 and 2005-002

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/03** | **8/03** | **9/03** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000005 | 0.000010 | 0.000006 | 0.000009 | 0.000007 | 0.000006 | 0.000008 | 0.000009 | 0.000008 | 0.000006 | 0.000009 | 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** |

| **Reactor Coolant System Activity** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000009 | 0.000006 | 0.000007 | 0.000007 | 0.000007 | 0.000008 | 0.000007 | 0.000012 | 0.000009 | 0.000008 | 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 | 7/03 | 8/03 | 9/03 | 10/03 | 11/03 | 12/03 | 1/04 | 2/04 | 3/04 | 4/04 | 5/04 | 6/04 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.740 | 1.760 | 1.740 | 1.720 | 1.720 | 1.680 | 1.690 | 1.620 | 1.590 | 1.580 | 1.560 | 1.570 |
| 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** | **5.9** | **5.8** | **5.7** | **5.7** | **5.6** | **5.6** | **5.4** | **5.3** | **5.3** | **5.2** | **5.2** |

| Reactor Coolant System Leakage | 7/04 | 8/04 | 9/04 | 10/04 | 11/04 | 12/04 | 1/05 | 2/05 | 3/05 | 4/05 | 5/05 | 6/05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.570 | 1.670 | 1.730 | 1.870 | 1.800 | 1.730 | 1.740 | 1.730 | 1.780 | 1.730 | 1.730 | 1.750 |
| 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** | **5.2** | **5.6** | **5.8** | **6.2** | **6.0** | **5.8** | **5.8** | **5.8** | **5.9** | **5.8** | **5.8** | **5.8** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 71.0 | 5.0 | 2.0 | 17.0 | 34.0 | 18.0 | 1.0 | 14.0 |
| Total opportunities | 72.0 | 6.0 | 2.0 | 18.0 | 34.0 | 19.0 | 2.0 | 14.0 |
| | | | | | | | | |
| **Indicator value** | **95.2%** | **94.5%** | **94.6%** | **94.3%** | **94.8%** | **95.2%** | **95.7%** | **97.0%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 130.0 | 128.0 | 119.0 | 116.0 | 111.0 | 114.0 | 109.0 | 119.0 |
| Total Key personnel | 131.0 | 128.0 | 120.0 | 116.0 | 111.0 | 114.0 | 111.0 | 121.0 |
| | | | | | | | | |
| **Indicator value** | **99.2%** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **98.2%** | **98.3%** |

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/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/05: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/03 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: August 3, 2005*

# Hatch 2

## 3Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0.9** | **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 | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2209.0 | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **1.7** | **1.6** | **0** | **0** | **0** | **0** | **0.9** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 3.80 | 1.84 | 0 | 0 | 0 | 0.22 | 4.13 |
| Unplanned unavailable hours | 0 | 3.05 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0.10 | 1.42 | 25.38 | 0 | 0 | 3.88 |
| Unplanned unavailable hours | 0 | 33.83 | 0 | 33.25 | 3.75 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 0 | 19.00 | 2.06 | 1.55 | 33.08 | 1.48 | 1.80 | 5.48 |
| Unplanned unavailable hours | 0 | 2.03 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.7%** | **0.6%** | **0.4%** | **0.4%** | **0.3%** |

Licensee Comments:

3Q/05: 2005-07, Trains 1, 2, & 3: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 93.48 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **1.0%** | **1.0%** | **0.9%** | **0.8%** | **0.8%** | **0.8%** | **1.2%** | **1.2%** |

Licensee Comments:

3Q/05: 2005-09: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.42 | 0.77 | 0.42 | 0.42 | 0.42 | 102.20 | 0.58 | 0.42 |
| Unplanned unavailable hours | 147.83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 13.42 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **1.9%** | **1.6%** | **1.6%** | **1.6%** | **1.5%** | **2.0%** | **1.9%** | **1.9%** |

Licensee Comments:

3Q/05: 2005-07: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 38.07 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 19.53 | 4.45 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2209.00 | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.3%** |

Licensee Comments:

3Q/05: Trains 1 & 2 for 2005-07, 2005-08, & 2005-09: We are evaluating if additional unavailability needs to be reported due to restoration certainty during testing.

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **0** | **0** | **1** | **1** | **3** | **3** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000007 | 0.000006 | 0.000008 | 0.000009 | 0.000008 | 0.000006 | 0.000009 | 0.000006 | 0.000009 | 0.000009 | 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** |

| **Reactor Coolant System Activity** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000007 | 0.000007 | 0.000008 | 0.000007 | 0.000012 | 0.000009 | 0.000008 | 0.000005 | 0.000008 | 0.000008 | 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** |

Licensee Comments: none

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/03** | **11/03** | **12/03** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.720 | 1.720 | 1.680 | 1.690 | 1.620 | 1.590 | 1.580 | 1.560 | 1.570 | 1.570 | 1.670 | 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** | **5.7** | **5.7** | **5.6** | **5.6** | **5.4** | **5.3** | **5.3** | **5.2** | **5.2** | **5.2** | **5.6** | **5.8** |
| **Reactor Coolant System Leakage** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** |
| Maximum leakage | 1.870 | 1.800 | 1.730 | 1.740 | 1.730 | 1.780 | 1.730 | 1.730 | 1.750 | 1.730 | 1.720 | 1.770 |
| 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** | **6.2** | **6.0** | **5.8** | **5.8** | **5.8** | **5.9** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.9** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 5.0 | 2.0 | 17.0 | 34.0 | 18.0 | 1.0 | 14.0 | 37.0 |
| Total opportunities | 6.0 | 2.0 | 18.0 | 34.0 | 19.0 | 2.0 | 14.0 | 38.0 |
| | | | | | | | | |
| **Indicator value** | **94.5%** | **94.6%** | **94.3%** | **94.8%** | **95.2%** | **95.7%** | **97.0%** | **96.2%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 128.0 | 119.0 | 116.0 | 111.0 | 114.0 | 109.0 | 119.0 | 120.0 |
| Total Key personnel | 128.0 | 120.0 | 116.0 | 111.0 | 114.0 | 111.0 | 121.0 | 124.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **98.2%** | **98.3%** | **96.8%** |

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/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/05: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| 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 | 1 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/03 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: November 3, 2005*

# Hatch 2

## 4Q/2005 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0.9** | **0.9** | **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 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2184.0 | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **1.6** | **0** | **0** | **0** | **0** | **0.9** | **0.9** | **0.9** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 3.80 | 1.84 | 0 | 0 | 0 | 0.22 | 4.13 | 6.17 |
| Unplanned unavailable hours | 3.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 0.10 | 1.42 | 25.38 | 0 | 0 | 3.88 | 6.21 |
| Unplanned unavailable hours | 33.83 | 0 | 33.25 | 3.75 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 19.00 | 2.06 | 1.55 | 33.08 | 1.48 | 1.80 | 5.48 | 60.68 |
| Unplanned unavailable hours | 2.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.7%** | **0.6%** | **0.4%** | **0.4%** | **0.3%** | **0.4%** |

Licensee Comments: none

## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 0 | 93.48 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **1.0%** | **0.9%** | **0.8%** | **0.8%** | **0.8%** | **1.2%** | **1.2%** | **1.0%** |

Licensee Comments: none

## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.77 | 0.42 | 0.42 | 0.42 | 102.20 | 0.58 | 0.42 | 2.15 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 13.42 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **1.6%** | **1.6%** | **1.6%** | **1.5%** | **2.0%** | **1.9%** | **1.9%** | **1.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 38.07 | 0 | 0 | 0 | 0 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0 | 19.53 | 4.45 | 0 | 0 | 0 | 0 | 0.50 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2184.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.3%** | **0.2%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

### Notes

| Safety System Functional Failures (BWR) | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **0** | **0** | **1** | **1** | **3** | **3** | **2** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000009 | 0.000008 | 0.000006 | 0.000009 | 0.000006 | 0.000009 | 0.000009 | 0.000006 | 0.000007 | 0.000007 | 0.000007 |
| 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** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000007 | 0.000012 | 0.000009 | 0.000008 | 0.000005 | 0.000008 | 0.000008 | 0.000009 | 0.000006 | 0.000006 | 0.000008 |
| 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** | **1/04** | **2/04** | **3/04** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.690 | 1.620 | 1.590 | 1.580 | 1.560 | 1.570 | 1.570 | 1.670 | 1.730 | 1.870 | 1.800 | 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** | **5.6** | **5.4** | **5.3** | **5.3** | **5.2** | **5.2** | **5.2** | **5.6** | **5.8** | **6.2** | **6.0** | **5.8** |
| **Reactor Coolant System Leakage** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** |
| Maximum leakage | 1.740 | 1.730 | 1.780 | 1.730 | 1.730 | 1.750 | 1.730 | 1.720 | 1.770 | 1.710 | 1.730 | 1.700 |
| 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** | **5.8** | **5.9** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 2.0 | 17.0 | 34.0 | 18.0 | 1.0 | 14.0 | 37.0 | 19.0 |
| Total opportunities | 2.0 | 18.0 | 34.0 | 19.0 | 2.0 | 14.0 | 38.0 | 20.0 |
| | | | | | | | | |
| **Indicator value** | **94.6%** | **94.3%** | **94.8%** | **95.2%** | **95.7%** | **97.0%** | **96.2%** | **96.6%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 119.0 | 116.0 | 111.0 | 114.0 | 109.0 | 119.0 | 120.0 | 128.0 |
| Total Key personnel | 120.0 | 116.0 | 111.0 | 114.0 | 111.0 | 121.0 | 124.0 | 129.0 |
| | | | | | | | | |
| **Indicator value** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **98.2%** | **98.3%** | **96.8%** | **99.2%** |

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 | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/05: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments:

4Q/05: Exp. reported for 9/05 has been retracted due to Environmental lab investigations where completed experiments provide sufficient evidence that sweat may cause very high spurious reads. Sweat is considered to be the likely cause seen on workers at Hatch.

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/04 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: January 30, 2006*

# Hatch 2

## 1Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0.9** | **0.9** | **0.9** | **0.8** |

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/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0.9** | **0.9** | **0.9** | **0.8** |

Licensee Comments: none

## Safety System Unavailability, Emergency AC Power, >2EDG

**Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%**

## Notes

| Safety System Unavailability, Emergency AC Power, >2EDG | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 1.84 | 0 | 12.20 | 0 | 0.22 | 4.13 | 6.17 | 15.01 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.40 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 0.10 | 1.42 | 3.35 | 0 | 0 | 3.88 | 6.21 | 5.70 |
| Unplanned unavailable hours | 0 | 33.25 | 3.75 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 3** | | | | | | | | |
| Planned unavailable hours | 2.06 | 1.55 | 33.08 | 1.48 | 1.80 | 5.48 | 60.68 | 23.55 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.7%** | **0.6%** | **0.4%** | **0.4%** | **0.3%** | **0.4%** | **0.5%** |

Licensee Comments:

1Q/06: Train 2 (Nov. 2004) changed from 25.38 Planned Unavailable Hours to 3.350 due to overhaul hours being included which are excluded per NEI 99-02. Train 1 (Dec. 2004) changed from 0 Planned Unavailable hours to 12.20 due to unavailable hours omitted from 12/10/04.

4Q/04: Train 2, Planned Unavailable Hours (Nov. 2004): originally submitted as 1.383 hours because the RAS start date was entered as 11/30/04 rather than the correct 11/29/04 in the D/G Availability.xls file. Train 2, Fault Exposure Hours (Dec.

2004): This was originally entered as 262.45 hours in the fault exposure column and as 131.225 hours in the T/2 column. Since this was T/2 fault exposure, it should only be in the T/2 column as 131.225 hours. (4/21/06) Train 1 (Dec. 2004) changed from 0 Planned Unavailable hours to 12.20 due to unavailable hours omitted from 12/10/04. (Nov. 2004) Train 2 changed from 25.38 Planned Unavailble Hours to 3.350 due to overhaul hours being included which are excluded per NEI 99-02. No change in indicator color.

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## Safety System Unavailability, High Pressure Injection System (HPCI)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, High Pressure Injection System (HPCI) | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 0 | 0 | 93.48 | 0 | 0 | 1.75 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.08 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.9%** | **0.8%** | **0.8%** | **0.8%** | **1.2%** | **1.2%** | **1.0%** | **0.9%** |

Licensee Comments: none

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## Safety System Unavailability, Heat Removal System (RCIC)

**Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%**

## Notes

| Safety System Unavailability, Heat Removal System (RCIC) | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0.42 | 0.42 | 0.42 | 102.20 | 0.58 | 0.42 | 2.15 | 0.48 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14.22 |
| Fault exposure hours | 0 | 0 | 0 | 13.42 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2065.10 | 2185.75 | 1302.62 | 2072.18 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **1.6%** | **1.6%** | **1.5%** | **2.0%** | **1.9%** | **1.9%** | **1.7%** | **1.7%** |

Licensee Comments: none

## Safety System Unavailability, Residual Heat Removal System

**Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%**

## Notes

| Safety System Unavailability, Residual Heat Removal System | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| **Train 1** | | | | | | | | |
| Planned unavailable hours | 0 | 0 | 38.07 | 0 | 0 | 0 | 0 | 0.35 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| **Train 2** | | | | | | | | |
| Planned unavailable hours | 19.53 | 4.45 | 0 | 0 | 0 | 0 | 0.50 | 3.00 |
| Unplanned unavailable hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fault exposure hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Effective Reset hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Required hours | 2183.00 | 2208.00 | 2209.00 | 2160.00 | 2183.00 | 2208.00 | 2209.00 | 2160.00 |
| | | | | | | | | |
| **Indicator value** | **0.6%** | **0.5%** | **0.5%** | **0.5%** | **0.5%** | **0.3%** | **0.2%** | **0.1%** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **1** | **1** | **3** | **3** | **2** | **3** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000006 | 0.000009 | 0.000006 | 0.000009 | 0.000009 | 0.000006 | 0.000007 | 0.000007 | 0.000007 | 0.000008 | 0.000007 | 0.000012 |
| 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** | **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 | 0.000009 | 0.000008 | 0.000005 | 0.000008 | 0.000008 | 0.000009 | 0.000006 | 0.000006 | 0.000008 | 0.000007 | 0.000007 | 0.000008 |
| 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** | **4/04** | **5/04** | **6/04** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.580 | 1.560 | 1.570 | 1.570 | 1.670 | 1.730 | 1.870 | 1.800 | 1.730 | 1.740 | 1.730 | 1.780 |
| 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** | **5.3** | **5.2** | **5.2** | **5.2** | **5.6** | **5.8** | **6.2** | **6.0** | **5.8** | **5.8** | **5.8** | **5.9** |
| **Reactor Coolant System Leakage** | **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 | 1.730 | 1.730 | 1.750 | 1.730 | 1.720 | 1.770 | 1.710 | 1.730 | 1.700 | 1.710 | 1.720 | 1.720 |
| 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** | **5.8** | **5.8** | **5.8** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 17.0 | 34.0 | 18.0 | 1.0 | 14.0 | 37.0 | 19.0 | 4.0 |
| Total opportunities | 18.0 | 34.0 | 19.0 | 2.0 | 14.0 | 38.0 | 20.0 | 4.0 |
| | | | | | | | | |
| **Indicator value** | **94.3%** | **94.8%** | **95.2%** | **95.7%** | **97.0%** | **96.2%** | **96.6%** | **96.6%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 116.0 | 111.0 | 114.0 | 109.0 | 119.0 | 120.0 | 128.0 | 124.0 |
| Total Key personnel | 116.0 | 111.0 | 114.0 | 111.0 | 121.0 | 124.0 | 129.0 | 126.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **98.2%** | **98.3%** | **96.8%** | **99.2%** | **98.4%** |

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 | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/06: Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/04 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: May 5, 2006*

# Hatch 2

## 2Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0.9** | **0.9** | **0.9** | **0.8** | **0.8** |

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 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2065.1 | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0.9** | **0.9** | **0.9** | **0.8** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **1** | **1** | **3** | **3** | **2** | **3** | **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 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | | 3.70E-08 |
| URI (ΔCDF) | | | | | | | | -7.90E-08 |
| PLE | | | | | | | | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | | **-4.20E-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 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | | 4.50E-09 |
| URI (ΔCDF) | | | | | | | | -1.50E-07 |
| PLE | | | | | | | | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | | **-1.46E-07** |

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/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | | 2.80E-07 |
| URI (ΔCDF) | | | | | | | | -2.80E-08 |
| PLE | | | | | | | | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | | **2.52E-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 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | | -1.00E-08 |
| URI (ΔCDF) | | | | | | | | -6.30E-08 |
| PLE | | | | | | | | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | | **-7.30E-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 | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | | -3.60E-09 |
| URI (ΔCDF) | | | | | | | | -9.00E-08 |
| PLE | | | | | | | | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | | **-9.36E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

### Notes

| **Reactor Coolant System Activity** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000009 | 0.000009 | 0.000006 | 0.000007 | 0.000007 | 0.000007 | 0.000008 | 0.000007 | 0.000012 | 0.000009 | 0.000008 | 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** |

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

Licensee Comments: none

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/04** | **8/04** | **9/04** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.570 | 1.670 | 1.730 | 1.870 | 1.800 | 1.730 | 1.740 | 1.730 | 1.780 | 1.730 | 1.730 | 1.750 |
| 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** | **5.2** | **5.6** | **5.8** | **6.2** | **6.0** | **5.8** | **5.8** | **5.8** | **5.9** | **5.8** | **5.8** | **5.8** |
| **Reactor Coolant System Leakage** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** |
| Maximum leakage | 1.730 | 1.720 | 1.770 | 1.710 | 1.730 | 1.700 | 1.710 | 1.720 | 1.720 | 1.730 | 1.670 | 1.670 |
| 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** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** | **5.8** | **5.6** | **5.6** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 34.0 | 18.0 | 1.0 | 14.0 | 37.0 | 19.0 | 4.0 | 17.0 |
| Total opportunities | 34.0 | 19.0 | 2.0 | 14.0 | 38.0 | 20.0 | 4.0 | 18.0 |
| | | | | | | | | |
| **Indicator value** | **94.8%** | **95.2%** | **95.7%** | **97.0%** | **96.2%** | **96.6%** | **96.6%** | **96.6%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 111.0 | 114.0 | 109.0 | 119.0 | 120.0 | 128.0 | 124.0 | 129.0 |
| Total Key personnel | 111.0 | 114.0 | 111.0 | 121.0 | 124.0 | 129.0 | 126.0 | 129.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **98.2%** | **98.3%** | **96.8%** | **99.2%** | **98.4%** | **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/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/06: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/04 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: August 2, 2006*

# Hatch 2

## 3Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0.9** | **0.9** | **0.9** | **0.8** | **0.8** | **0.8** |

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 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2185.8 | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0.9** | **0.9** | **0.9** | **0.8** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **3** | **3** | **2** | **3** | **1** | **2** |

Licensee Comments:

3Q/06: LER 2006-003, HPCI Inoperable Due to Leaking Check Valve

## 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/04** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | 3.70E-08 | 5.00E-08 |
| URI (ΔCDF) | | | | | | | -7.90E-08 | -7.70E-08 |
| PLE | | | | | | | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | **-4.20E-08** | **-2.70E-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/04** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | 4.50E-09 | 5.40E-09 |
| URI (ΔCDF) | | | | | | | -1.50E-07 | -1.50E-07 |
| PLE | | | | | | | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | **-1.46E-07** | **-1.45E-07** |

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 | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | 2.80E-07 | 1.50E-07 |
| URI (ΔCDF) | | | | | | | -2.80E-08 | -1.60E-07 |
| PLE | | | | | | | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | **2.52E-07** | **-1.00E-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** | **4Q/04** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | -1.00E-08 | -1.00E-08 |
| URI (ΔCDF) | | | | | | | -6.30E-08 | -6.30E-08 |
| PLE | | | | | | | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | **-7.30E-08** | **-7.30E-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** | **4Q/04** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | | -3.60E-09 | 2.60E-08 |
| URI (ΔCDF) | | | | | | | -9.30E-08 | -9.80E-08 |
| PLE | | | | | | | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | | **-9.66E-08** | **-7.20E-08** |

Licensee Comments:

2Q/06: On the equipment record for RHRSW pumps, the entry for the Status at 100% power field was changed from operating to stand-by.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

### Notes

| **Reactor Coolant System Activity** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000007 | 0.000007 | 0.000008 | 0.000007 | 0.000012 | 0.000009 | 0.000008 | 0.000005 | 0.000008 | 0.000008 | 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** | **10/05** | **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** |

Licensee Comments: none

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/04** | **11/04** | **12/04** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.870 | 1.800 | 1.730 | 1.740 | 1.730 | 1.780 | 1.730 | 1.730 | 1.750 | 1.730 | 1.720 | 1.770 |
| 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** | **6.2** | **6.0** | **5.8** | **5.8** | **5.8** | **5.9** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.9** |
| **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 | 1.670 | 1.660 |
| 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** | **5.6** | **5.5** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 18.0 | 1.0 | 14.0 | 37.0 | 19.0 | 4.0 | 17.0 | 34.0 |
| Total opportunities | 19.0 | 2.0 | 14.0 | 38.0 | 20.0 | 4.0 | 18.0 | 41.0 |
| | | | | | | | | |
| **Indicator value** | **95.2%** | **95.7%** | **97.0%** | **96.2%** | **96.6%** | **96.6%** | **96.6%** | **92.3%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 114.0 | 109.0 | 119.0 | 120.0 | 128.0 | 124.0 | 129.0 | 133.0 |
| Total Key personnel | 114.0 | 111.0 | 121.0 | 124.0 | 129.0 | 126.0 | 129.0 | 135.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **98.2%** | **98.3%** | **96.8%** | **99.2%** | **98.4%** | **100.0%** | **98.5%** |

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/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/06: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 4Q/04 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: November 6, 2006*

# Hatch 2

## 4Q/2006 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.9** | **0.8** | **0.8** | **0.8** | **0.8** |

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 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1302.6 | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.9** | **0.8** | **0** | **0** | **0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **3** | **3** | **2** | **3** | **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** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | 3.70E-08 | 5.00E-08 | 1.20E-08 |
| URI (ΔCDF) | | | | | | -7.90E-08 | -7.70E-08 | 1.70E-08 |
| PLE | | | | | | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | **-4.20E-08** | **-2.70E-08** | **2.90E-08** |

Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06 for all EAC trains. Adjustment to 2A, 2B and SSW trains mainly due to periodic PM not in previous baseline. Adjustment for 2C train mainly due to periodic testing not in previous baseline.

## 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** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | 4.50E-09 | 5.40E-09 | 8.10E-09 |
| URI (ΔCDF) | | | | | | -1.50E-07 | -1.50E-07 | -1.60E-07 |
| PLE | | | | | | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | **-1.46E-07** | **-1.45E-07** | **-1.52E-07** |

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 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | 2.80E-07 | 1.50E-07 | -6.90E-08 |
| URI (ΔCDF) | | | | | | -2.80E-08 | -1.60E-07 | -1.50E-07 |
| PLE | | | | | | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | **2.52E-07** | **-1.00E-08** | **-2.19E-07** |

Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06. Adjustment mainly due to periodic PM not in previous baseline.

## 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** | **1Q/05** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | -1.00E-08 | -1.00E-08 | -8.50E-09 |
| URI (ΔCDF) | | | | | | -6.30E-08 | -6.30E-08 | 2.20E-08 |
| PLE | | | | | | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | **-7.30E-08** | **-7.30E-08** | **1.35E-08** |

Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06 for Div 1 and Div 2. Adjustment mainly due to periodic PM not in previous baseline.

## 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 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | | -3.60E-09 | 2.60E-08 | 1.90E-07 |
| URI (ΔCDF) | | | | | | -9.30E-08 | -9.80E-08 | -1.00E-07 |
| PLE | | | | | | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | | **-9.66E-08** | **-7.20E-08** | **9.00E-08** |

Licensee Comments:

4Q/06: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 4Q06 for CWS1 train 2-2. Adjustment mainly due to periodic PM hours not in previous baseline.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000007 | 0.000012 | 0.000009 | 0.000008 | 0.000005 | 0.000008 | 0.000008 | 0.000009 | 0.000006 | 0.000006 | 0.000008 |
| 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** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** |
| Maximum activity | 0.000007 | 0.000007 | 0.000008 | 0.000012 | 0.000007 | 0.000009 | 0.000010 | 0.000012 | 0.000009 | 0.000011 | 0.000009 | 0.000008 |
| 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** | **1/05** | **2/05** | **3/05** | **4/05** | **5/05** | **6/05** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.740 | 1.730 | 1.780 | 1.730 | 1.730 | 1.750 | 1.730 | 1.720 | 1.770 | 1.710 | 1.730 | 1.700 |
| 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** | **5.8** | **5.9** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** |
| **Reactor Coolant System Leakage** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** |
| Maximum leakage | 1.710 | 1.720 | 1.720 | 1.730 | 1.670 | 1.670 | 1.900 | 1.850 | 1.860 | 1.840 | 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** | **5.7** | **5.7** | **5.7** | **5.8** | **5.6** | **5.6** | **6.3** | **6.2** | **6.2** | **6.1** | **6.1** | **6.1** |

Licensee Comments:

9/06: Corrected previously reported data for August and September 2006. August changed from 1.67 gpm to 1.85 gpm. September changed from 1.66 gpm to 1.86 gpm.

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 1.0 | 14.0 | 37.0 | 19.0 | 4.0 | 17.0 | 34.0 | 24.0 |
| Total opportunities | 2.0 | 14.0 | 38.0 | 20.0 | 4.0 | 18.0 | 41.0 | 24.0 |
| | | | | | | | | |
| **Indicator value** | **95.7%** | **97.0%** | **96.2%** | **96.6%** | **96.6%** | **96.6%** | **92.3%** | **93.2%** |

Licensee Comments: none

## ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 109.0 | 119.0 | 120.0 | 128.0 | 124.0 | 129.0 | 133.0 | 134.0 |
| Total Key personnel | 111.0 | 121.0 | 124.0 | 129.0 | 126.0 | 129.0 | 135.0 | 137.0 |
| | | | | | | | | |
| **Indicator value** | **98.2%** | **98.3%** | **96.8%** | **99.2%** | **98.4%** | **100.0%** | **98.5%** | **97.8%** |

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 | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/06: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 1Q/05 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: February 7, 2007*

# Hatch 2

## 1Q/2007 Performance Indicators

Licensee's General Comments: none

### 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 | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 | 2208.0 | 2209.0 | 1264.9 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0.9** | **0.8** | **0.8** | **0.8** | **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 | 1.0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **1.0** | **1.0** | **1.0** | **1.0** |

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 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2072.2 | 2208.0 | 2209.0 | 2160.0 | 2141.8 | 2208.0 | 2209.0 | 1264.9 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0.9** | **0.8** | **0** | **0** | **0** | **0** |

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 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **3** | **3** | **2** | **3** | **1** | **2** | **2** | **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/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | 3.70E-08 | 5.00E-08 | 1.20E-08 | 8.30E-09 |
| URI (ΔCDF) | | | | | -7.90E-08 | -7.70E-08 | 1.70E-08 | 2.20E-08 |
| PLE | | | | | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | **-4.20E-08** | **-2.70E-08** | **2.90E-08** | **3.03E-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 (ΔCDF) | | | | | 4.50E-09 | 5.40E-09 | 8.10E-09 | -1.60E-08 |
| URI (ΔCDF) | | | | | -1.50E-07 | -1.50E-07 | -1.60E-07 | 4.50E-07 |
| PLE | | | | | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | **-1.46E-07** | **-1.45E-07** | **-1.52E-07** | **4.34E-07** |

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 (ΔCDF) | | | | | 2.80E-07 | 1.50E-07 | -6.90E-08 | -5.80E-08 |
| URI (ΔCDF) | | | | | -2.80E-08 | -1.60E-07 | -1.50E-07 | -1.50E-07 |
| PLE | | | | | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | **2.52E-07** | **-1.00E-08** | **-2.19E-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** | **2Q/05** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | | -1.00E-08 | -1.00E-08 | -8.50E-09 | -7.60E-09 |
| URI (ΔCDF) | | | | | -6.30E-08 | -6.30E-08 | 2.20E-08 | 1.80E-08 |
| PLE | | | | | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | **-7.30E-08** | **-7.30E-08** | **1.35E-08** | **1.04E-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) | | | | | -3.60E-09 | 2.60E-08 | 1.90E-07 | 3.20E-08 |
| URI (ΔCDF) | | | | | -9.30E-08 | -9.80E-08 | -1.00E-07 | -9.80E-08 |
| PLE | | | | | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | | **-9.66E-08** | **-7.20E-08** | **9.00E-08** | **-6.60E-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 | 0.000009 | 0.000008 | 0.000005 | 0.000008 | 0.000008 | 0.000009 | 0.000006 | 0.000006 | 0.000008 | 0.000007 | 0.000007 | 0.000008 |
| 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** | **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 | 0.000012 | 0.000007 | 0.000009 | 0.000010 | 0.000012 | 0.000009 | 0.000011 | 0.000009 | 0.000008 | 0.000010 | 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** |

Licensee Comments: none

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **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 | 1.730 | 1.730 | 1.750 | 1.730 | 1.720 | 1.770 | 1.710 | 1.730 | 1.700 | 1.710 | 1.720 | 1.720 |
| 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** | **5.8** | **5.8** | **5.8** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** |
| **Reactor Coolant System Leakage** | **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 | 1.730 | 1.670 | 1.670 | 1.900 | 1.850 | 1.860 | 1.840 | 1.820 | 1.840 | 1.810 | 1.790 | 1.680 |
| 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** | **5.6** | **6.3** | **6.2** | **6.2** | **6.1** | **6.1** | **6.1** | **6.0** | **6.0** | **5.6** |

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 | 14.0 | 37.0 | 19.0 | 4.0 | 17.0 | 34.0 | 24.0 | 2.0 |
| Total opportunities | 14.0 | 38.0 | 20.0 | 4.0 | 18.0 | 41.0 | 24.0 | 2.0 |
| | | | | | | | | |
| **Indicator value** | **97.0%** | **96.2%** | **96.6%** | **96.6%** | **96.6%** | **92.3%** | **93.2%** | **93.8%** |

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 | 119.0 | 120.0 | 128.0 | 124.0 | 129.0 | 133.0 | 134.0 | 132.0 |
| Total Key personnel | 121.0 | 124.0 | 129.0 | 126.0 | 129.0 | 135.0 | 137.0 | 134.0 |
| | | | | | | | | |
| **Indicator value** | **98.3%** | **96.8%** | **99.2%** | **98.4%** | **100.0%** | **98.5%** | **97.8%** | **98.5%** |

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 | 2Q/05 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/07: Plant Hatch does not use sirens as an emergency notification system.

## 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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

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Physical Protection information not publicly available.

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*Last Modified: June 1, 2007*

# Hatch 2

## 2Q/2007 Performance Indicators

Licensee's General Comments: none

### Notes

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

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 | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|---|---|---|---|---|---|---|---|
| Scrams | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

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

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

### Notes

| Safety System Functional Failures (BWR) | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **3** | **2** | **3** | **1** | **2** | **2** | **1** | **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** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | 3.70E-08 | 5.00E-08 | 1.20E-08 | 8.30E-09 | 2.90E-08 |
| URI (ΔCDF) | | | | -7.90E-08 | -7.70E-08 | 1.70E-08 | 2.20E-08 | 7.30E-08 |
| PLE | | | | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | **-4.20E-08** | **-2.70E-08** | **2.90E-08** | **3.03E-08** | **1.02E-07** |

Licensee Comments:

2Q/07: The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 2Q07 for 2C train. Adjustment made to UABLP to add planned unavailable hours projected for a periodic system outage (PM).

## 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/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | 4.50E-09 | 5.40E-09 | 8.10E-09 | -1.60E-08 | 6.00E-09 |
| URI (ΔCDF) | | | | -1.50E-07 | -1.50E-07 | -1.60E-07 | 4.50E-07 | 1.50E-06 |
| PLE | | | | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | **-1.46E-07** | **-1.45E-07** | **-1.52E-07** | **4.34E-07** | **1.51E-06** |

Licensee Comments:

2Q/07: Risk Cap Invoked. The baseline value of planned unavailability is changed at the discretion of the licensee in order to minimize the percent deviation from UAP Baseline based on the planned unavailability for the rolling 36 month period including projections for 2Q07 for the HPI system. Adjustment made to UABLP to add planned unavailable hours projected for a periodic system outage (PM). URI increased due to two pump failures. The May water intrusion event reported as a demand failure is under investigation by Engineering (waiting on vendor review). The May overspeed trip results in a white indicator.

## 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/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | 2.80E-07 | 1.50E-07 | -6.90E-08 | -5.80E-08 | -5.70E-08 |
| URI (ΔCDF) | | | | -2.80E-08 | -1.60E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 |
| PLE | | | | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | **2.52E-07** | **-1.00E-08** | **-2.19E-07** | **-2.08E-07** | **-2.07E-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** | **3Q/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | -1.00E-08 | -1.00E-08 | -8.50E-09 | -7.60E-09 | -6.10E-09 |
| URI (ΔCDF) | | | | -6.30E-08 | -6.30E-08 | 2.20E-08 | 1.80E-08 | 1.00E-07 |
| PLE | | | | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | **-7.30E-08** | **-7.30E-08** | **1.35E-08** | **1.04E-08** | **9.39E-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/05** | **4Q/05** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | | | -3.60E-09 | 2.60E-08 | 1.90E-07 | 3.20E-08 | 3.60E-08 |
| URI (ΔCDF) | | | | -9.30E-08 | -9.80E-08 | -1.00E-07 | -9.80E-08 | -9.90E-08 |
| PLE | | | | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | | | | **-9.66E-08** | **-7.20E-08** | **9.00E-08** | **-6.60E-08** | **-6.30E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000008 | 0.000008 | 0.000009 | 0.000006 | 0.000006 | 0.000008 | 0.000007 | 0.000007 | 0.000008 | 0.000012 | 0.000007 | 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** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** |
| Maximum activity | 0.000010 | 0.000012 | 0.000009 | 0.000011 | 0.000009 | 0.000008 | 0.000010 | 0.000006 | 0.000010 | 0.000010 | 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** | **7/05** | **8/05** | **9/05** | **10/05** | **11/05** | **12/05** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.720 | 1.770 | 1.710 | 1.730 | 1.700 | 1.710 | 1.720 | 1.720 | 1.730 | 1.670 | 1.670 |
| 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** | **5.7** | **5.9** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** | **5.8** | **5.6** | **5.6** |
| **Reactor Coolant System Leakage** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** |
| Maximum leakage | 1.900 | 1.850 | 1.860 | 1.840 | 1.820 | 1.840 | 1.810 | 1.790 | 1.680 | 1.780 | 1.770 | 1.710 |
| 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** | **6.3** | **6.2** | **6.2** | **6.1** | **6.1** | **6.1** | **6.0** | **6.0** | **5.6** | **5.9** | **5.9** | **5.7** |

Licensee Comments: none

# Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 37.0 | 19.0 | 4.0 | 17.0 | 34.0 | 24.0 | 2.0 | 11.0 |
| Total opportunities | 38.0 | 20.0 | 4.0 | 18.0 | 41.0 | 24.0 | 2.0 | 12.0 |
| | | | | | | | | |
| **Indicator value** | **96.2%** | **96.6%** | **96.6%** | **96.6%** | **92.3%** | **93.2%** | **93.8%** | **93.1%** |

Licensee Comments: none

# ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 120.0 | 128.0 | 124.0 | 129.0 | 133.0 | 134.0 | 132.0 | 130.0 |
| Total Key personnel | 124.0 | 129.0 | 126.0 | 129.0 | 135.0 | 137.0 | 134.0 | 135.0 |
| | | | | | | | | |
| **Indicator value** | **96.8%** | **99.2%** | **98.4%** | **100.0%** | **98.5%** | **97.8%** | **98.5%** | **96.3%** |

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/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/07: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/05 | 4Q/05 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/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

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Physical Protection information not publicly available.

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*Last Modified: August 6, 2007*

# Hatch 2

## 3Q/2007 Performance Indicators

Licensee's General Comments: none

### 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 (ΔCDF) | | | 3.70E-08 | 5.00E-08 | 1.20E-08 | 8.30E-09 | 2.90E-08 | 3.50E-09 |
| URI (ΔCDF) | | | -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 (ΔCDF) | | | -1.00E-08 | -1.00E-08 | -8.50E-09 | -7.60E-09 | -6.10E-09 | -6.20E-09 |
| URI (ΔCDF) | | | -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.

## 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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

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Physical Protection information not publicly available.

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*Last Modified: December 7, 2007*

# Hatch 2

## 4Q/2007 Performance Indicators

Licensee's General Comments: none

### Notes

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

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2160.0 | 2141.8 | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0** | **0** | **0** | **0** | **0** | **0** | **0.9** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

### Notes

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

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

### Notes

| Safety System Functional Failures (BWR) | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **3** | **1** | **2** | **2** | **1** | **2** | **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** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | 3.70E-08 | 5.00E-08 | 1.20E-08 | 8.30E-09 | 2.90E-08 | 3.50E-09 | -1.20E-08 |
| URI (ΔCDF) | | -7.90E-08 | -7.70E-08 | 1.70E-08 | 2.20E-08 | 7.30E-08 | -2.20E-08 | -1.20E-07 |
| PLE | | NO | 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** | **-1.32E-07** |

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** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | 4.50E-09 | 5.40E-09 | 8.10E-09 | -1.60E-08 | 6.00E-09 | 5.50E-09 | 5.40E-09 |
| URI (ΔCDF) | | -1.50E-07 | -1.50E-07 | -1.60E-07 | 4.50E-07 | 1.50E-06 | 1.50E-06 | 1.50E-06 |
| PLE | | NO | 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** | **1.51E-06** |

Licensee Comments:

4Q/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** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | 2.80E-07 | 1.50E-07 | -6.90E-08 | -5.80E-08 | -5.70E-08 | -5.80E-08 | -5.80E-08 |
| URI (ΔCDF) | | -2.80E-08 | -1.60E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 |
| PLE | | NO | 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** | **-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** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | -1.00E-08 | -1.00E-08 | -8.50E-09 | -7.60E-09 | -6.10E-09 | -6.20E-09 | -7.10E-09 |
| URI (ΔCDF) | | -6.30E-08 | -6.30E-08 | 2.20E-08 | 1.80E-08 | 1.00E-07 | 1.10E-07 | 1.20E-07 |
| PLE | | NO | 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** | **1.13E-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** | **1Q/06** | **2Q/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | | -3.60E-09 | 2.60E-08 | 1.90E-07 | 3.20E-08 | 3.60E-08 | 3.60E-08 | 4.00E-08 |
| URI (ΔCDF) | | -9.30E-08 | -9.80E-08 | -1.00E-07 | -9.80E-08 | -9.90E-08 | -9.90E-08 | -1.00E-07 |
| PLE | | NO | 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** | **-6.00E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000007 | 0.000008 | 0.000012 | 0.000007 | 0.000009 | 0.000010 | 0.000012 | 0.000009 | 0.000011 | 0.000009 | 0.000008 |
| 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** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** |
| Maximum activity | 0.000010 | 0.000006 | 0.000010 | 0.000010 | 0.000006 | 0.000006 | 0.000007 | 0.000006 | 0.000006 | 0.000012 | 0.000005 | 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** | **1/06** | **2/06** | **3/06** | **4/06** | **5/06** | **6/06** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.710 | 1.720 | 1.720 | 1.730 | 1.670 | 1.670 | 1.900 | 1.850 | 1.860 | 1.840 | 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** | **5.7** | **5.7** | **5.7** | **5.8** | **5.6** | **5.6** | **6.3** | **6.2** | **6.2** | **6.1** | **6.1** | **6.1** |
| **Reactor Coolant System Leakage** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** |
| Maximum leakage | 1.810 | 1.790 | 1.680 | 1.780 | 1.770 | 1.710 | 1.730 | 1.750 | 1.730 | 1.730 | 1.720 | 1.720 |
| 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** | **6.0** | **6.0** | **5.6** | **5.9** | **5.9** | **5.7** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 4.0 | 17.0 | 34.0 | 24.0 | 2.0 | 11.0 | 72.0 | 7.0 |
| Total opportunities | 4.0 | 18.0 | 41.0 | 24.0 | 2.0 | 12.0 | 73.0 | 7.0 |
| | | | | | | | | |
| **Indicator value** | **96.6%** | **96.6%** | **92.3%** | **93.2%** | **93.8%** | **93.1%** | **94.3%** | **94.5%** |

Licensee Comments: none

# ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 124.0 | 129.0 | 133.0 | 134.0 | 132.0 | 130.0 | 138.0 | 136.0 |
| Total Key personnel | 126.0 | 129.0 | 135.0 | 137.0 | 134.0 | 135.0 | 140.0 | 137.0 |
| | | | | | | | | |
| **Indicator value** | **98.4%** | **100.0%** | **98.5%** | **97.8%** | **98.5%** | **96.3%** | **98.6%** | **99.3%** |

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 | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/07: Plant Hatch does not use sirens as an emergency notifications system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 1Q/06 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/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

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Physical Protection information not publicly available.

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*Last Modified: February 4, 2008*

# Hatch 2

## 1Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 1.0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 1.0 |
| Critical hours | 2141.8 | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.8** | **0.9** | **0** | **0.9** | **0.9** | **1.6** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2141.8 | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0.9** | **0.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | | | 0 | 0 | 0 | 0 | 0 | 1.0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | **0.0** | **0.0** | **1.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **2** | **2** | **1** | **2** | **2** | **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 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.70E-08 | 5.00E-08 | 1.20E-08 | 8.30E-09 | 2.90E-08 | 3.50E-09 | -1.20E-08 | -1.30E-08 |
| URI (ΔCDF) | -7.90E-08 | -7.70E-08 | 1.70E-08 | 2.20E-08 | 7.30E-08 | -2.20E-08 | -1.20E-07 | -2.40E-07 |
| PLE | NO | NO | 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** | **-1.32E-07** | **-2.53E-07** |

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/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.50E-09 | 5.40E-09 | 8.10E-09 | -1.60E-08 | 6.00E-09 | 5.50E-09 | 5.40E-09 | 2.20E-07 |
| URI (ΔCDF) | -1.50E-07 | -1.50E-07 | -1.60E-07 | 4.50E-07 | 1.50E-06 | 1.50E-06 | 1.50E-06 | 2.10E-06 |
| PLE | NO | NO | 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** | **1.51E-06** | **2.32E-06** |

Licensee Comments:

1Q/08: 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 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.80E-07 | 1.50E-07 | -6.90E-08 | -5.80E-08 | -5.70E-08 | -5.80E-08 | -5.80E-08 | -7.10E-08 |
| URI (ΔCDF) | -2.80E-08 | -1.60E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.80E-07 |
| PLE | NO | NO | 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** | **-2.08E-07** | **-2.51E-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/06** | **3Q/06** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.00E-08 | -1.00E-08 | -8.50E-09 | -7.60E-09 | -6.10E-09 | -6.20E-09 | -7.10E-09 | -7.20E-09 |
| URI (ΔCDF) | -6.30E-08 | -6.30E-08 | 2.20E-08 | 1.80E-08 | 1.00E-07 | 1.10E-07 | 1.20E-07 | 1.20E-07 |
| PLE | NO | NO | 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** | **1.13E-07** | **1.13E-07** |

Licensee Comments:

1Q/08: 2E11C002B RHR pump seal leak discovered 3/8/08 02:30, evaluation pending on seal leak for failure determination.

## 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/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.60E-09 | 2.60E-08 | 1.90E-07 | 3.20E-08 | 3.60E-08 | 3.60E-08 | 4.00E-08 | 6.20E-08 |
| URI (ΔCDF) | -9.30E-08 | -9.80E-08 | -1.00E-07 | -9.80E-08 | -9.90E-08 | -9.90E-08 | -1.00E-07 | -1.10E-07 |
| PLE | NO | NO | 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** | **-6.00E-08** | **-4.80E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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 | 0.000012 | 0.000007 | 0.000009 | 0.000010 | 0.000012 | 0.000009 | 0.000011 | 0.000009 | 0.000008 | 0.000010 | 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** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** |
| Maximum activity | 0.000010 | 0.000006 | 0.000006 | 0.000007 | 0.000006 | 0.000006 | 0.000012 | 0.000005 | 0.000006 | 0.000005 | 0.000007 | 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 | 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 | 1.730 | 1.670 | 1.670 | 1.900 | 1.850 | 1.860 | 1.840 | 1.820 | 1.840 | 1.810 | 1.790 | 1.680 |
| 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** | **5.6** | **6.3** | **6.2** | **6.2** | **6.1** | **6.1** | **6.1** | **6.0** | **6.0** | **5.6** |
| **Reactor Coolant System Leakage** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** |
| Maximum leakage | 1.780 | 1.770 | 1.710 | 1.730 | 1.750 | 1.730 | 1.730 | 1.720 | 1.720 | 1.720 | 1.740 | 1.750 |
| 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** | **5.9** | **5.9** | **5.7** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.7** | **5.8** | **5.8** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 17.0 | 34.0 | 24.0 | 2.0 | 11.0 | 72.0 | 7.0 | 6.0 |
| Total opportunities | 18.0 | 41.0 | 24.0 | 2.0 | 12.0 | 73.0 | 7.0 | 6.0 |
| | | | | | | | | |
| **Indicator value** | **96.6%** | **92.3%** | **93.2%** | **93.8%** | **93.1%** | **94.3%** | **94.5%** | **94.5%** |

Licensee Comments: none

# ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 129.0 | 133.0 | 134.0 | 132.0 | 130.0 | 138.0 | 136.0 | 137.0 |
| Total Key personnel | 129.0 | 135.0 | 137.0 | 134.0 | 135.0 | 140.0 | 137.0 | 137.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **98.5%** | **97.8%** | **98.5%** | **96.3%** | **98.6%** | **99.3%** | **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 | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

### Notes

| RETS/ODCM Radiological Effluent | 2Q/06 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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*Last Modified: April 30, 2008*

# Hatch 2

## 2Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 1.0 | 0 | 1.0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.9** | **0** | **0.9** | **0.9** | **1.6** | **1.6** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0.9** | **0.8** | **0.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | **0.0** | **0.0** | **1.0** | **1.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **1** | **2** | **2** | **2** | **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 | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.00E-08 | 1.20E-08 | 8.30E-09 | 2.90E-08 | 3.50E-09 | -1.20E-08 | -1.30E-08 | 5.10E-09 |
| URI (ΔCDF) | -7.70E-08 | 1.70E-08 | 2.20E-08 | 7.30E-08 | -2.20E-08 | -1.20E-07 | -2.40E-07 | -2.80E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.70E-08** | **2.90E-08** | **3.03E-08** | **1.02E-07** | **-1.85E-08** | **-1.32E-07** | **-2.53E-07** | **-2.75E-07** |

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

## 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/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.40E-09 | 8.10E-09 | -1.60E-08 | 6.00E-09 | 5.50E-09 | 5.40E-09 | 2.20E-07 | 3.70E-08 |
| URI (ΔCDF) | -1.50E-07 | -1.60E-07 | 4.50E-07 | 1.50E-06 | 1.50E-06 | 1.50E-06 | 2.10E-06 | 2.10E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.45E-07** | **-1.52E-07** | **4.34E-07** | **1.51E-06** | **1.51E-06** | **1.51E-06** | **2.32E-06** | **2.14E-06** |

Licensee Comments:

2Q/08: Risk Cap Invoked. Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

# 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/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.50E-07 | -6.90E-08 | -5.80E-08 | -5.70E-08 | -5.80E-08 | -5.80E-08 | -7.10E-08 | -7.10E-08 |
| URI (ΔCDF) | -1.60E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.80E-07 | -1.80E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.00E-08** | **-2.19E-07** | **-2.08E-07** | **-2.07E-07** | **-2.08E-07** | **-2.08E-07** | **-2.51E-07** | **-2.51E-07** |

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

## 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/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.00E-08 | -8.50E-09 | -7.60E-09 | -6.10E-09 | -6.20E-09 | -7.10E-09 | -7.20E-09 | -7.20E-09 |
| URI (ΔCDF) | -6.30E-08 | 2.20E-08 | 1.80E-08 | 1.00E-07 | 1.10E-07 | 1.20E-07 | 1.20E-07 | 1.20E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-7.30E-08** | **1.35E-08** | **1.04E-08** | **9.39E-08** | **1.04E-07** | **1.13E-07** | **1.13E-07** | **1.13E-07** |

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

## 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/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.60E-08 | 1.90E-07 | 3.20E-08 | 3.60E-08 | 3.60E-08 | 4.00E-08 | 6.20E-08 | 4.40E-08 |
| URI (ΔCDF) | -9.80E-08 | -1.00E-07 | -9.80E-08 | -9.90E-08 | -9.90E-08 | -1.00E-07 | -1.10E-07 | -8.70E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-7.20E-08** | **9.00E-08** | **-6.60E-08** | **-6.30E-08** | **-6.30E-08** | **-6.00E-08** | **-4.80E-08** | **-4.30E-08** |

Licensee Comments:

2Q/08: Changed PRA Parameter(s). UABLP values updated based on MSPI Basis Document revision approved 03/31/08.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/06** | **8/06** | **9/06** | **10/06** | **11/06** | **12/06** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000012 | 0.000009 | 0.000011 | 0.000009 | 0.000008 | 0.000010 | 0.000006 | 0.000010 | 0.000010 | 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** |
| **Reactor Coolant System Activity** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** |
| Maximum activity | 0.000007 | 0.000006 | 0.000006 | 0.000012 | 0.000005 | 0.000006 | 0.000005 | 0.000007 | 0.000006 | 0.000006 | 0.000004 | 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 | 7/06 | 8/06 | 9/06 | 10/06 | 11/06 | 12/06 | 1/07 | 2/07 | 3/07 | 4/07 | 5/07 | 6/07 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.900 | 1.850 | 1.860 | 1.840 | 1.820 | 1.840 | 1.810 | 1.790 | 1.680 | 1.780 | 1.770 | 1.710 |
| 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** | **6.3** | **6.2** | **6.2** | **6.1** | **6.1** | **6.1** | **6.0** | **6.0** | **5.6** | **5.9** | **5.9** | **5.7** |
| **Reactor Coolant System Leakage** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** |
| Maximum leakage | 1.730 | 1.750 | 1.730 | 1.730 | 1.720 | 1.720 | 1.720 | 1.740 | 1.750 | 1.710 | 1.730 | 1.720 |
| 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** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.7** | **5.8** | **5.8** | **5.7** | **5.8** | **5.7** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 34.0 | 24.0 | 2.0 | 11.0 | 72.0 | 7.0 | 6.0 | 30.0 |
| Total opportunities | 41.0 | 24.0 | 2.0 | 12.0 | 73.0 | 7.0 | 6.0 | 32.0 |
| | | | | | | | | |
| **Indicator value** | **92.3%** | **93.2%** | **93.8%** | **93.1%** | **94.3%** | **94.5%** | **94.5%** | **94.4%** |

Licensee Comments: none

# ERO Drill Participation

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 133.0 | 134.0 | 132.0 | 130.0 | 138.0 | 136.0 | 137.0 | 134.0 |
| Total Key personnel | 135.0 | 137.0 | 134.0 | 135.0 | 140.0 | 137.0 | 137.0 | 134.0 |
| | | | | | | | | |
| **Indicator value** | **98.5%** | **97.8%** | **98.5%** | **96.3%** | **98.6%** | **99.3%** | **100.0%** | **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/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/06 | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Physical Protection information not publicly available.

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# Hatch 2

## 3Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.9** | **0** | **0.9** | **0.9** | **1.6** | **1.6** | **0.8** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0.9** | **0.8** | **0.8** | **0.8** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | **0.0** | **0.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **1** | **2** | **2** | **2** | **2** | **2** | **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** | **4Q/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.20E-08 | 8.30E-09 | 2.90E-08 | 3.50E-09 | -1.20E-08 | -1.30E-08 | 5.10E-09 | 6.20E-08 |
| URI (ΔCDF) | 1.70E-08 | 2.20E-08 | 7.30E-08 | -2.20E-08 | -1.20E-07 | -2.40E-07 | -2.80E-07 | -2.90E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.90E-08** | **3.03E-08** | **1.02E-07** | **-1.85E-08** | **-1.32E-07** | **-2.53E-07** | **-2.75E-07** | **-2.28E-07** |

Licensee Comments:

3Q/08: Changed PRA Parameter(s). B diesel was secured during testing due to vibration concerns. Engineering evaluation is in progress to determine if the component would have continued to operate for the mission time starting from the time the component was secured. Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## 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/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.10E-09 | -1.60E-08 | 6.00E-09 | 5.50E-09 | 5.40E-09 | 2.20E-07 | 3.70E-08 | 3.70E-08 |
| URI (ΔCDF) | -1.60E-07 | 4.50E-07 | 1.50E-06 | 1.50E-06 | 1.50E-06 | 2.10E-06 | 2.10E-06 | 2.00E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.52E-07** | **4.34E-07** | **1.51E-06** | **1.51E-06** | **1.51E-06** | **2.32E-06** | **2.14E-06** | **2.04E-06** |

Licensee Comments:

3Q/08: Risk Cap Invoked. Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## 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/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.90E-08 | -5.80E-08 | -5.70E-08 | -5.80E-08 | -5.80E-08 | -7.10E-08 | -7.10E-08 | -6.60E-08 |
| URI (ΔCDF) | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.80E-07 | -1.80E-07 | -1.90E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.19E-07** | **-2.08E-07** | **-2.07E-07** | **-2.08E-07** | **-2.08E-07** | **-2.51E-07** | **-2.51E-07** | **-2.56E-07** |

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

# 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/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -8.50E-09 | -7.60E-09 | -6.10E-09 | -6.20E-09 | -7.10E-09 | -7.20E-09 | -7.20E-09 | 1.80E-08 |
| URI (ΔCDF) | 2.20E-08 | 1.80E-08 | 1.00E-07 | 1.10E-07 | 1.20E-07 | 1.20E-07 | 1.20E-07 | 1.10E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.35E-08** | **1.04E-08** | **9.39E-08** | **1.04E-07** | **1.13E-07** | **1.13E-07** | **1.13E-07** | **1.28E-07** |

Licensee Comments:

3Q/08: Changed PRA Parameter(s). Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08.

## 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/06** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.90E-07 | 3.20E-08 | 3.60E-08 | 3.60E-08 | 4.00E-08 | 6.20E-08 | 4.40E-08 | 4.40E-08 |
| URI (ΔCDF) | -1.00E-07 | -9.80E-08 | -9.90E-08 | -9.90E-08 | -1.00E-07 | -1.10E-07 | -8.70E-08 | -8.70E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **9.00E-08** | **-6.60E-08** | **-6.30E-08** | **-6.30E-08** | **-6.00E-08** | **-4.80E-08** | **-4.30E-08** | **-4.30E-08** |

Licensee Comments:

3Q/08: Changed PRA Parameter(s). B diesel experienced a loading timer failure which would prevent the automatic start of the 2P41C001C and 2P41C001D pumps. Cause of timer failure could be due to failure of a subcomponent in the control circuit of the pumps An engineering evaluation is in progress.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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** |
| **Reactor Coolant System Activity** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** |
| Maximum activity | 0.000012 | 0.000005 | 0.000006 | 0.000005 | 0.000007 | 0.000006 | 0.000006 | 0.000004 | 0.000005 | 0.000007 | 0.000006 | 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** | **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** |
| **Reactor Coolant System Leakage** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** |
| Maximum leakage | 1.730 | 1.720 | 1.720 | 1.720 | 1.740 | 1.750 | 1.710 | 1.730 | 1.720 | 1.720 | 1.710 | 1.710 |
| 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** | **5.7** | **5.7** | **5.7** | **5.8** | **5.8** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 24.0 | 2.0 | 11.0 | 72.0 | 7.0 | 6.0 | 30.0 | 43.0 |
| Total opportunities | 24.0 | 2.0 | 12.0 | 73.0 | 7.0 | 6.0 | 32.0 | 43.0 |
| | | | | | | | | |
| **Indicator value** | **93.2%** | **93.8%** | **93.1%** | **94.3%** | **94.5%** | **94.5%** | **94.4%** | **98.0%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 134.0 | 132.0 | 130.0 | 138.0 | 136.0 | 137.0 | 134.0 | 142.0 |
| Total Key personnel | 137.0 | 134.0 | 135.0 | 140.0 | 137.0 | 137.0 | 134.0 | 143.0 |
| | | | | | | | | |
| **Indicator value** | **97.8%** | **98.5%** | **96.3%** | **98.6%** | **99.3%** | **100.0%** | **100.0%** | **99.3%** |

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/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 4Q/06 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: November 26, 2008*

# Hatch 2

## 4Q/2008 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0** | **0.9** | **0.9** | **1.6** | **1.6** | **0.8** | **0.8** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 1264.9 | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0.9** | **0.8** | **0.8** | **0.8** | **0.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | **0.0** | **0.0** | **1.0** | **1.0** | **1.0** | **1.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

### Notes

| Safety System Functional Failures (BWR) | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **2** | **2** | **2** | **2** | **2** | **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 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.30E-09 | 2.90E-08 | 3.50E-09 | -1.20E-08 | -1.30E-08 | 5.10E-09 | 6.20E-08 | 6.70E-08 |
| URI (ΔCDF) | 2.20E-08 | 7.30E-08 | -2.20E-08 | -1.20E-07 | -2.40E-07 | -2.80E-07 | 6.60E-07 | 6.60E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.03E-08** | **1.02E-07** | **-1.85E-08** | **-1.32E-07** | **-2.53E-07** | **-2.75E-07** | **7.22E-07** | **7.27E-07** |

Licensee Comments:

3Q/08: B diesel was secured during testing due to vibration concerns. Engineering evaluation is in progress to determine if the component would have continued to operate for the mission time starting from the time the component was secured. Planned Unavailability baseline values changed 2Q08 based on Basis document revision approved 03/31/08. There were no PRA changes for 3Q08. ***Update, B EDG condition was determined to count as a diesel run 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 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.60E-08 | 6.00E-09 | 5.50E-09 | 5.40E-09 | 2.20E-07 | 3.70E-08 | 3.70E-08 | 3.70E-08 |
| URI (ΔCDF) | 4.50E-07 | 1.50E-06 | 1.50E-06 | 1.50E-06 | 2.10E-06 | 2.10E-06 | 2.00E-06 | 2.10E-06 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **4.34E-07** | **1.51E-06** | **1.51E-06** | **1.51E-06** | **2.32E-06** | **2.14E-06** | **2.04E-06** | **2.14E-06** |

Licensee Comments:

4Q/08: 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** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -5.80E-08 | -5.70E-08 | -5.80E-08 | -5.80E-08 | -7.10E-08 | -7.10E-08 | -6.60E-08 | -6.70E-08 |
| URI (ΔCDF) | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.80E-07 | -1.80E-07 | -1.90E-07 | -1.80E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.08E-07** | **-2.07E-07** | **-2.08E-07** | **-2.08E-07** | **-2.51E-07** | **-2.51E-07** | **-2.56E-07** | **-2.47E-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 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.60E-09 | -6.10E-09 | -6.20E-09 | -7.10E-09 | -7.20E-09 | -7.20E-09 | 1.80E-08 | 1.80E-08 |
| URI (ΔCDF) | 1.80E-08 | 1.00E-07 | 1.10E-07 | 1.20E-07 | 1.20E-07 | 1.20E-07 | 1.10E-07 | 1.10E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.04E-08** | **9.39E-08** | **1.04E-07** | **1.13E-07** | **1.13E-07** | **1.13E-07** | **1.28E-07** | **1.28E-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** | **1Q/07** | **2Q/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.20E-08 | 3.60E-08 | 3.60E-08 | 4.00E-08 | 6.20E-08 | 4.40E-08 | 4.40E-08 | 4.50E-08 |
| URI (ΔCDF) | -9.80E-08 | -9.90E-08 | -9.90E-08 | -1.00E-07 | -1.10E-07 | -8.70E-08 | -8.70E-08 | -3.30E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.60E-08** | **-6.30E-08** | **-6.30E-08** | **-6.00E-08** | **-4.80E-08** | **-4.30E-08** | **-4.30E-08** | **1.20E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000006 | 0.000010 | 0.000010 | 0.000006 | 0.000006 | 0.000007 | 0.000006 | 0.000006 | 0.000012 | 0.000005 | 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** |
| **Reactor Coolant System Activity** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** | **10/08** | **11/08** | **12/08** |
| Maximum activity | 0.000005 | 0.000007 | 0.000006 | 0.000006 | 0.000004 | 0.000005 | 0.000007 | 0.000006 | 0.000005 | 0.000010 | 0.000016 | 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** | **1/07** | **2/07** | **3/07** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.810 | 1.790 | 1.680 | 1.780 | 1.770 | 1.710 | 1.730 | 1.750 | 1.730 | 1.730 | 1.720 | 1.720 |
| 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** | **6.0** | **6.0** | **5.6** | **5.9** | **5.9** | **5.7** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** |
| **Reactor Coolant System Leakage** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** | **10/08** | **11/08** | **12/08** |
| Maximum leakage | 1.720 | 1.740 | 1.750 | 1.710 | 1.730 | 1.720 | 1.720 | 1.710 | 1.710 | 1.710 | 1.690 | 1.680 |
| 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** | **5.8** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** | **5.7** | **5.6** | **5.6** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 2.0 | 11.0 | 72.0 | 7.0 | 6.0 | 30.0 | 43.0 | 8.0 |
| Total opportunities | 2.0 | 12.0 | 73.0 | 7.0 | 6.0 | 32.0 | 43.0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **93.8%** | **93.1%** | **94.3%** | **94.5%** | **94.5%** | **94.4%** | **98.0%** | **97.8%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 132.0 | 130.0 | 138.0 | 136.0 | 137.0 | 134.0 | 142.0 | 148.0 |
| Total Key personnel | 134.0 | 135.0 | 140.0 | 137.0 | 137.0 | 134.0 | 143.0 | 148.0 |
| | | | | | | | | |
| **Indicator value** | **98.5%** | **96.3%** | **98.6%** | **99.3%** | **100.0%** | **100.0%** | **99.3%** | **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 | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/08: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

### Notes

| RETS/ODCM Radiological Effluent | 1Q/07 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: February 4, 2009*

# Hatch 2

## 1Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **1.6** | **1.6** | **0.8** | **0.8** | **0** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2184.0 | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0.9** | **0.8** | **0.8** | **0.8** | **0.8** | **0.9** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

### Notes

| Unplanned Scrams with Complications | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | **0.0** | **0.0** | **1.0** | **1.0** | **1.0** | **1.0** | **0.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

### Notes

| Safety System Functional Failures (BWR) | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **2** | **2** | **2** | **1** | **1** | **2** |

Licensee Comments:

1Q/09: LER 2008-005

## 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/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.90E-08 | 3.50E-09 | -1.20E-08 | -1.30E-08 | 5.10E-09 | 6.20E-08 | 6.70E-08 | 8.70E-08 |
| URI (ΔCDF) | 7.30E-08 | -2.20E-08 | -1.20E-07 | -2.40E-07 | -2.80E-07 | 6.60E-07 | 6.60E-07 | 6.60E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.02E-07** | **-1.85E-08** | **-1.32E-07** | **-2.53E-07** | **-2.75E-07** | **7.22E-07** | **7.27E-07** | **7.47E-07** |

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## 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/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.00E-09 | 5.50E-09 | 5.40E-09 | 2.20E-07 | 3.70E-08 | 3.70E-08 | 3.70E-08 | 1.10E-08 |
| URI (ΔCDF) | 1.50E-06 | 1.50E-06 | 1.50E-06 | 2.10E-06 | 2.10E-06 | 2.00E-06 | 2.10E-06 | 7.80E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.51E-06** | **1.51E-06** | **1.51E-06** | **2.32E-06** | **2.14E-06** | **2.04E-06** | **2.14E-06** | **7.91E-07** |

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## 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/07** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -5.70E-08 | -5.80E-08 | -5.80E-08 | -7.10E-08 | -7.10E-08 | -6.60E-08 | -6.70E-08 | -3.50E-08 |
| URI (ΔCDF) | -1.50E-07 | -1.50E-07 | -1.50E-07 | -1.80E-07 | -1.80E-07 | -1.90E-07 | -1.80E-07 | -8.80E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.07E-07** | **-2.08E-07** | **-2.08E-07** | **-2.51E-07** | **-2.51E-07** | **-2.56E-07** | **-2.47E-07** | **-1.23E-07** |

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## 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/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.10E-09 | -6.20E-09 | -7.10E-09 | -7.20E-09 | -7.20E-09 | 1.80E-08 | 1.80E-08 | 2.20E-08 |
| URI (ΔCDF) | 1.00E-07 | 1.10E-07 | 1.20E-07 | 1.20E-07 | 1.20E-07 | 1.10E-07 | 1.10E-07 | 1.30E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **9.39E-08** | **1.04E-07** | **1.13E-07** | **1.13E-07** | **1.13E-07** | **1.28E-07** | **1.28E-07** | **1.52E-07** |

Licensee Comments:

1Q/09: Failure of 2E11F007B to open during tag-out restoration is under investigation. (CR2009102439). CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## 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/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.60E-08 | 3.60E-08 | 4.00E-08 | 6.20E-08 | 4.40E-08 | 4.40E-08 | 4.50E-08 | 5.90E-08 |
| URI (ΔCDF) | -9.90E-08 | -9.90E-08 | -1.00E-07 | -1.10E-07 | -8.70E-08 | -8.70E-08 | -3.30E-08 | -2.70E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.30E-08** | **-6.30E-08** | **-6.00E-08** | **-4.80E-08** | **-4.30E-08** | **-4.30E-08** | **1.20E-08** | **3.20E-08** |

Licensee Comments:

1Q/09: CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000006 | 0.000006 | 0.000007 | 0.000006 | 0.000006 | 0.000012 | 0.000005 | 0.000006 | 0.000005 | 0.000007 | 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** |

| **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 | 0.000006 | 0.000004 | 0.000005 | 0.000007 | 0.000006 | 0.000005 | 0.000010 | 0.000016 | 0.000005 | 0.000004 | 0.000004 | N/A |
| 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** | **N/A** |

Licensee Comments: none

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **4/07** | **5/07** | **6/07** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.780 | 1.770 | 1.710 | 1.730 | 1.750 | 1.730 | 1.730 | 1.720 | 1.720 | 1.720 | 1.740 | 1.750 |
| 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** | **5.9** | **5.9** | **5.7** | **5.8** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.7** | **5.8** | **5.8** |
| **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 | 1.710 | 1.730 | 1.720 | 1.720 | 1.710 | 1.710 | 1.710 | 1.690 | 1.680 | 1.660 | 1.690 | N/A |
| 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** | **5.7** | **5.6** | **5.6** | **5.5** | **5.6** | **N/A** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 11.0 | 72.0 | 7.0 | 6.0 | 30.0 | 43.0 | 8.0 | 2.0 |
| Total opportunities | 12.0 | 73.0 | 7.0 | 6.0 | 32.0 | 43.0 | 8.0 | 2.0 |
| | | | | | | | | |
| **Indicator value** | **93.1%** | **94.3%** | **94.5%** | **94.5%** | **94.4%** | **98.0%** | **97.8%** | **97.8%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 130.0 | 138.0 | 136.0 | 137.0 | 134.0 | 142.0 | 148.0 | 141.0 |
| Total Key personnel | 135.0 | 140.0 | 137.0 | 137.0 | 134.0 | 143.0 | 148.0 | 141.0 |
| | | | | | | | | |
| **Indicator value** | **96.3%** | **98.6%** | **99.3%** | **100.0%** | **100.0%** | **99.3%** | **100.0%** | **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 | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

### Notes

| RETS/ODCM Radiological Effluent | 2Q/07 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: May 1, 2009*

# Hatch 2

## 2Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 1.0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 2.0 |
| Critical hours | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **1.6** | **1.6** | **0.8** | **0.8** | **0** | **2.2** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2171.9 | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.8** | **0.8** | **0.8** | **0.8** | **0.9** | **1.1** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | **0.0** | **0.0** | **1.0** | **1.0** | **1.0** | **1.0** | **0.0** | **0.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

### Notes

| Safety System Functional Failures (BWR) | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **2** | **2** | **1** | **1** | **2** | **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** | **3Q/07** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.50E-09 | -1.20E-08 | -1.30E-08 | 5.10E-09 | 6.20E-08 | 6.70E-08 | 8.70E-08 | 6.00E-08 |
| URI (ΔCDF) | -2.20E-08 | -1.20E-07 | -2.40E-07 | -2.80E-07 | 6.60E-07 | 6.60E-07 | 6.60E-07 | 7.70E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.85E-08** | **-1.32E-07** | **-2.53E-07** | **-2.75E-07** | **7.22E-07** | **7.27E-07** | **7.47E-07** | **8.30E-07** |

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 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.50E-09 | 5.40E-09 | 2.20E-07 | 3.70E-08 | 3.70E-08 | 3.70E-08 | 1.10E-08 | -4.80E-09 |
| URI (ΔCDF) | 1.50E-06 | 1.50E-06 | 2.10E-06 | 2.10E-06 | 2.00E-06 | 2.10E-06 | 7.80E-07 | 7.80E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.51E-06** | **1.51E-06** | **2.32E-06** | **2.14E-06** | **2.04E-06** | **2.14E-06** | **7.91E-07** | **7.75E-07** |

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/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -5.80E-08 | -5.80E-08 | -7.10E-08 | -7.10E-08 | -6.60E-08 | -6.70E-08 | -3.50E-08 | -3.20E-08 |
| URI (ΔCDF) | -1.50E-07 | -1.50E-07 | -1.80E-07 | -1.80E-07 | -1.90E-07 | -1.80E-07 | -8.80E-08 | -8.30E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.08E-07** | **-2.08E-07** | **-2.51E-07** | **-2.51E-07** | **-2.56E-07** | **-2.47E-07** | **-1.23E-07** | **-1.15E-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 | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.20E-09 | -7.10E-09 | -7.20E-09 | -7.20E-09 | 1.80E-08 | 1.80E-08 | 2.20E-08 | 2.50E-08 |
| URI (ΔCDF) | 1.10E-07 | 1.20E-07 | 1.20E-07 | 1.20E-07 | 1.10E-07 | 1.10E-07 | 1.30E-07 | 1.30E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.04E-07** | **1.13E-07** | **1.13E-07** | **1.13E-07** | **1.28E-07** | **1.28E-07** | **1.52E-07** | **1.55E-07** |

Licensee Comments:

2Q/09: Failure of 2E11F007B to open during tag-out restoration is under investigation. (CR2009102439). This situation was identified to the resident inspector.

## 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/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.60E-08 | 4.00E-08 | 6.20E-08 | 4.40E-08 | 4.40E-08 | 4.50E-08 | 5.90E-08 | 5.90E-08 |
| URI (ΔCDF) | -9.90E-08 | -1.00E-07 | -1.10E-07 | -8.70E-08 | -8.70E-08 | -3.30E-08 | -2.70E-08 | -2.70E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.30E-08** | **-6.00E-08** | **-4.80E-08** | **-4.30E-08** | **-4.30E-08** | **1.20E-08** | **3.20E-08** | **3.20E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000007 | 0.000006 | 0.000006 | 0.000012 | 0.000005 | 0.000006 | 0.000005 | 0.000007 | 0.000006 | 0.000006 | 0.000004 | 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** |

| **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 | 0.000007 | 0.000006 | 0.000005 | 0.000010 | 0.000016 | 0.000005 | 0.000004 | 0.000004 | N/A | N/A | 0.000001 | 0.000003 |
| 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** | **N/A** | **N/A** | **0** | **0** |

Licensee Comments: none

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/07** | **8/07** | **9/07** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.750 | 1.730 | 1.730 | 1.720 | 1.720 | 1.720 | 1.740 | 1.750 | 1.710 | 1.730 | 1.720 |
| 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** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.7** | **5.8** | **5.8** | **5.7** | **5.8** | **5.7** |
| **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 | 1.720 | 1.710 | 1.710 | 1.710 | 1.690 | 1.680 | 1.660 | 1.690 | N/A | N/A | 1.810 | 1.740 |
| 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** | **5.7** | **5.7** | **5.7** | **5.6** | **5.6** | **5.5** | **5.6** | **N/A** | **N/A** | **6.0** | **5.8** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 72.0 | 7.0 | 6.0 | 30.0 | 43.0 | 8.0 | 2.0 | 23.0 |
| Total opportunities | 73.0 | 7.0 | 6.0 | 32.0 | 43.0 | 8.0 | 2.0 | 23.0 |
| | | | | | | | | |
| **Indicator value** | **94.3%** | **94.5%** | **94.5%** | **94.4%** | **98.0%** | **97.8%** | **97.8%** | **98.5%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 138.0 | 136.0 | 137.0 | 134.0 | 142.0 | 148.0 | 141.0 | 132.0 |
| Total Key personnel | 140.0 | 137.0 | 137.0 | 134.0 | 143.0 | 148.0 | 141.0 | 132.0 |
| | | | | | | | | |
| **Indicator value** | **98.6%** | **99.3%** | **100.0%** | **100.0%** | **99.3%** | **100.0%** | **100.0%** | **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/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

### Notes

| Occupational Exposure Control Effectiveness | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/07 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: July 22, 2009*

# Hatch 2

## 3Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 1.0 | 0 | 0 | 0 | 0 | 2.0 | 0 |
| Critical hours | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **1.6** | **1.6** | **0.8** | **0.8** | **0** | **2.2** | **2.2** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| Critical hours | 2209.0 | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.8** | **0.8** | **0.8** | **0.8** | **0.9** | **1.1** | **2.2** |

Licensee Comments: none

## Unplanned Scrams with Complications

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | **0.0** | **1.0** | **1.0** | **1.0** | **1.0** | **0.0** | **0.0** | **0.0** |

Licensee Comments: none

## Safety System Functional Failures (BWR)

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **2** | **1** | **1** | **2** | **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 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.20E-08 | -1.30E-08 | 5.10E-09 | 6.20E-08 | 6.70E-08 | 8.70E-08 | 6.00E-08 | 6.60E-08 |
| URI (ΔCDF) | -1.20E-07 | -2.40E-07 | -2.80E-07 | 6.60E-07 | 6.60E-07 | 6.60E-07 | 7.70E-07 | 7.70E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.32E-07** | **-2.53E-07** | **-2.75E-07** | **7.22E-07** | **7.27E-07** | **7.47E-07** | **8.30E-07** | **8.36E-07** |

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/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.40E-09 | 2.20E-07 | 3.70E-08 | 3.70E-08 | 3.70E-08 | 1.10E-08 | -4.80E-09 | -4.80E-09 |
| URI (ΔCDF) | 1.50E-06 | 2.10E-06 | 2.10E-06 | 2.00E-06 | 2.10E-06 | 7.80E-07 | 7.80E-07 | 8.00E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.51E-06** | **2.32E-06** | **2.14E-06** | **2.04E-06** | **2.14E-06** | **7.91E-07** | **7.75E-07** | **7.95E-07** |

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** | **4Q/07** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** | **3Q/09** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -5.80E-08 | -7.10E-08 | -7.10E-08 | -6.60E-08 | -6.70E-08 | -3.50E-08 | -3.20E-08 | -4.00E-08 |
| URI (ΔCDF) | -1.50E-07 | -1.80E-07 | -1.80E-07 | -1.90E-07 | -1.80E-07 | -8.80E-08 | -8.30E-08 | -8.20E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.08E-07** | **-2.51E-07** | **-2.51E-07** | **-2.56E-07** | **-2.47E-07** | **-1.23E-07** | **-1.15E-07** | **-1.22E-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/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.10E-09 | -7.20E-09 | -7.20E-09 | 1.80E-08 | 1.80E-08 | 2.20E-08 | 2.50E-08 | 1.10E-08 |
| URI (ΔCDF) | 1.20E-07 | 1.20E-07 | 1.20E-07 | 1.10E-07 | 1.10E-07 | 2.30E-07 | 2.30E-07 | 2.30E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.13E-07** | **1.13E-07** | **1.13E-07** | **1.28E-07** | **1.28E-07** | **2.52E-07** | **2.55E-07** | **2.41E-07** |

Licensee Comments:

2Q/09: 2Q09 MSPI values for RHR updated automatically based on completion of evaluation and entry of 2E11F007B failure in 1Q09.

1Q/09: Failure of 2E11F007B to open during tag-out restoration was determined to be a failure. (CR2009102439). CDF and the PRA importance coefficients for all monitored components for both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

## 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/07** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** | **3Q/09** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.00E-08 | 6.20E-08 | 4.40E-08 | 4.40E-08 | 4.50E-08 | 5.90E-08 | 5.90E-08 | 5.90E-08 |
| URI (ΔCDF) | -1.00E-07 | -1.10E-07 | -8.70E-08 | -8.70E-08 | -3.30E-08 | -2.70E-08 | -2.70E-08 | -2.60E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.00E-08** | **-4.80E-08** | **-4.30E-08** | **-4.30E-08** | **1.20E-08** | **3.20E-08** | **3.20E-08** | **3.30E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000012 | 0.000005 | 0.000006 | 0.000005 | 0.000007 | 0.000006 | 0.000006 | 0.000004 | 0.000005 | 0.000007 | 0.000006 | 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** |

| **Reactor Coolant System Activity** | **10/08** | **11/08** | **12/08** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000016 | 0.000005 | 0.000004 | 0.000004 | N/A | N/A | 0.000001 | 0.000003 | 0.000005 | 0.000004 | 0.000004 |
| 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** | **N/A** | **N/A** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/07** | **11/07** | **12/07** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.730 | 1.720 | 1.720 | 1.720 | 1.740 | 1.750 | 1.710 | 1.730 | 1.720 | 1.720 | 1.710 | 1.710 |
| 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** | **5.7** | **5.7** | **5.7** | **5.8** | **5.8** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** |
| **Reactor Coolant System Leakage** | **10/08** | **11/08** | **12/08** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** |
| Maximum leakage | 1.710 | 1.690 | 1.680 | 1.660 | 1.690 | N/A | N/A | 1.810 | 1.740 | 1.740 | 1.740 | 1.710 |
| 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** | **5.6** | **5.6** | **5.5** | **5.6** | **N/A** | **N/A** | **6.0** | **5.8** | **5.8** | **5.8** | **5.7** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 7.0 | 6.0 | 30.0 | 43.0 | 8.0 | 2.0 | 23.0 | 10.0 |
| Total opportunities | 7.0 | 6.0 | 32.0 | 43.0 | 8.0 | 2.0 | 23.0 | 10.0 |
| | | | | | | | | |
| **Indicator value** | **94.5%** | **94.5%** | **94.4%** | **98.0%** | **97.8%** | **97.8%** | **98.5%** | **98.5%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 136.0 | 137.0 | 134.0 | 142.0 | 148.0 | 141.0 | 132.0 | 136.0 |
| Total Key personnel | 137.0 | 137.0 | 134.0 | 143.0 | 148.0 | 141.0 | 132.0 | 136.0 |
| | | | | | | | | |
| **Indicator value** | **99.3%** | **100.0%** | **100.0%** | **99.3%** | **100.0%** | **100.0%** | **100.0%** | **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 | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/07 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: November 30, 2009*

# Hatch 2

## 4Q/2009 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 1.0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 |
| Critical hours | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **1.6** | **1.6** | **0.8** | **0.8** | **0** | **2.2** | **2.2** | **2.2** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2132.0 | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.8** | **0.8** | **0.9** | **1.1** | **2.2** | **1.1** |

Licensee Comments: none

## Unplanned Scrams with Complications

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | **1.0** | **1.0** | **1.0** | **1.0** | **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) | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **2** | **1** | **1** | **2** | **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 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.30E-08 | 5.10E-09 | 6.20E-08 | 6.70E-08 | 8.70E-08 | 6.00E-08 | 6.60E-08 | 8.60E-08 |
| URI (ΔCDF) | -2.40E-07 | -2.80E-07 | 6.60E-07 | 6.60E-07 | 6.60E-07 | 7.70E-07 | 7.70E-07 | 6.20E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.53E-07** | **-2.75E-07** | **7.22E-07** | **7.27E-07** | **7.47E-07** | **8.30E-07** | **8.36E-07** | **7.06E-07** |

Licensee Comments:

4Q/09: One Diesel event under evaluation (CR2009112068)

## 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 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.20E-07 | 3.70E-08 | 3.70E-08 | 3.70E-08 | 1.10E-08 | -4.80E-09 | -4.80E-09 | -4.80E-09 |
| URI (ΔCDF) | 2.10E-06 | 2.10E-06 | 2.00E-06 | 2.10E-06 | 7.80E-07 | 7.80E-07 | 8.00E-07 | 7.80E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.32E-06** | **2.14E-06** | **2.04E-06** | **2.14E-06** | **7.91E-07** | **7.75E-07** | **7.95E-07** | **7.75E-07** |

Licensee Comments:

4Q/09: One HPCI event is under evaluation (CR2009111523).

## 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 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.10E-08 | -7.10E-08 | -6.60E-08 | -6.70E-08 | -3.50E-08 | -3.20E-08 | -4.00E-08 | -4.00E-08 |
| URI (ΔCDF) | -1.80E-07 | -1.80E-07 | -1.90E-07 | -1.80E-07 | -8.80E-08 | -8.30E-08 | -8.20E-08 | -8.10E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.51E-07** | **-2.51E-07** | **-2.56E-07** | **-2.47E-07** | **-1.23E-07** | **-1.15E-07** | **-1.22E-07** | **-1.21E-07** |

Licensee Comments:

4Q/09: One RCIC event is under evaluation (CR2009111523).

## 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** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** | **3Q/09** | **4Q/09** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.20E-09 | -7.20E-09 | 1.80E-08 | 1.80E-08 | 2.20E-08 | 2.50E-08 | 1.10E-08 | -2.20E-09 |
| URI (ΔCDF) | 1.20E-07 | 1.20E-07 | 1.10E-07 | 1.10E-07 | 2.30E-07 | 2.30E-07 | 2.30E-07 | 1.30E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.13E-07** | **1.13E-07** | **1.28E-07** | **1.28E-07** | **2.52E-07** | **2.55E-07** | **2.41E-07** | **1.28E-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** | **1Q/08** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** | **3Q/09** | **4Q/09** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.20E-08 | 4.40E-08 | 4.40E-08 | 4.50E-08 | 5.90E-08 | 5.90E-08 | 5.90E-08 | 6.10E-08 |
| URI (ΔCDF) | -1.10E-07 | -8.70E-08 | -8.70E-08 | -3.30E-08 | -2.70E-08 | -2.70E-08 | -2.60E-08 | 3.50E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-4.80E-08** | **-4.30E-08** | **-4.30E-08** | **1.20E-08** | **3.20E-08** | **3.20E-08** | **3.30E-08** | **9.60E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** | **10/08** | **11/08** | **12/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000005 | 0.000007 | 0.000006 | 0.000006 | 0.000004 | 0.000005 | 0.000007 | 0.000006 | 0.000005 | 0.000010 | 0.000016 | 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** |

| **Reactor Coolant System Activity** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** | **10/09** | **11/09** | **12/09** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000004 | 0.000004 | N/A | N/A | 0.000001 | 0.000003 | 0.000005 | 0.000004 | 0.000004 | 0.000002 | 0.000356 | 0.000031 |
| 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** | **N/A** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** | **0.2** | **0** |

Licensee Comments: none

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **1/08** | **2/08** | **3/08** | **4/08** | **5/08** | **6/08** | **7/08** | **8/08** | **9/08** | **10/08** | **11/08** | **12/08** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.720 | 1.740 | 1.750 | 1.710 | 1.730 | 1.720 | 1.720 | 1.710 | 1.710 | 1.710 | 1.690 | 1.680 |
| 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** | **5.8** | **5.7** | **5.8** | **5.7** | **5.7** | **5.7** | **5.7** | **5.7** | **5.6** | **5.6** |
| **Reactor Coolant System Leakage** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** | **10/09** | **11/09** | **12/09** |
| Maximum leakage | 1.660 | 1.690 | N/A | N/A | 1.810 | 1.740 | 1.740 | 1.740 | 1.710 | 1.700 | 1.630 | 1.610 |
| 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** | **5.6** | **N/A** | **N/A** | **6.0** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.4** | **5.4** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 6.0 | 30.0 | 43.0 | 8.0 | 2.0 | 23.0 | 10.0 | 12.0 |
| Total opportunities | 6.0 | 32.0 | 43.0 | 8.0 | 2.0 | 23.0 | 10.0 | 14.0 |
| | | | | | | | | |
| **Indicator value** | **94.5%** | **94.4%** | **98.0%** | **97.8%** | **97.8%** | **98.5%** | **98.5%** | **97.1%** |

Licensee Comments: none

## Notes

| ERO Drill Participation | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 137.0 | 134.0 | 142.0 | 148.0 | 141.0 | 132.0 | 136.0 | 134.0 |
| Total Key personnel | 137.0 | 134.0 | 143.0 | 148.0 | 141.0 | 132.0 | 136.0 | 134.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **99.3%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **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 | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/09: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 1Q/08 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: January 22, 2010*

# Hatch 2

## 1Q/2010 Performance Indicators

Licensee's General Comments: none

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 | 2.0 | 0 | 0 | 0 |
| Critical hours | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 |
| | | | | | | | | |
| **Indicator value** | **1.6** | **0.8** | **0.8** | **0** | **2.2** | **2.2** | **2.2** | **1.9** |

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 | 1.0 | 0 | 0 | 1.0 | 0 | 1.0 |
| Critical hours | 2060.5 | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.8** | **0.9** | **1.1** | **2.2** | **1.1** | **1.9** |

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** | **1.0** | **1.0** | **1.0** | **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 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **2** | **1** | **1** | **2** | **1** | **1** | **1** | **1** |

Licensee Comments:

1Q/10: LER 2009-005, "ECCS Systems Declared Inoperable Due to Loss of Automatic Suction Swap Capability During Surveillance."

2Q/08: LER 2-2008-001

## 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** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** | **3Q/09** | **4Q/09** | **1Q/10** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.10E-09 | 6.20E-08 | 6.70E-08 | 8.70E-08 | 6.00E-08 | 6.60E-08 | 8.60E-08 | 8.26E-08 |
| URI (ΔCDF) | -2.80E-07 | 6.60E-07 | 6.60E-07 | 6.60E-07 | 7.70E-07 | 7.70E-07 | 6.20E-07 | 7.13E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.75E-07** | **7.22E-07** | **7.27E-07** | **7.47E-07** | **8.30E-07** | **8.36E-07** | **7.06E-07** | **1.50E-07** |

Licensee Comments:

1Q/10: Risk Cap Invoked. One Diesel event under evaluation (CR2009112068). This situation was identified to the resident inspector.

## 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 (ΔCDF) | 3.70E-08 | 3.70E-08 | 3.70E-08 | 1.10E-08 | -4.80E-09 | -4.80E-09 | -4.80E-09 | -1.40E-08 |
| URI (ΔCDF) | 2.10E-06 | 2.00E-06 | 2.10E-06 | 7.80E-07 | 7.80E-07 | 8.00E-07 | 7.80E-07 | 5.70E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.14E-06** | **2.04E-06** | **2.14E-06** | **7.91E-07** | **7.75E-07** | **7.95E-07** | **7.75E-07** | **5.60E-07** |

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/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.10E-08 | -6.60E-08 | -6.70E-08 | -3.50E-08 | -3.20E-08 | -4.00E-08 | -4.00E-08 | -3.96E-08 |
| URI (ΔCDF) | -1.80E-07 | -1.90E-07 | -1.80E-07 | -8.80E-08 | -8.30E-08 | -8.20E-08 | -8.10E-08 | -7.91E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.51E-07** | **-2.56E-07** | **-2.47E-07** | **-1.23E-07** | **-1.15E-07** | **-1.22E-07** | **-1.21E-07** | **-1.20E-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/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.20E-09 | 1.80E-08 | 1.80E-08 | 2.20E-08 | 2.50E-08 | 1.10E-08 | -2.20E-09 | -3.80E-09 |
| URI (ΔCDF) | 1.20E-07 | 1.10E-07 | 1.10E-07 | 2.30E-07 | 2.30E-07 | 2.30E-07 | 1.30E-07 | 1.34E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.13E-07** | **1.28E-07** | **1.28E-07** | **2.52E-07** | **2.55E-07** | **2.41E-07** | **1.28E-07** | **1.30E-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** | **2Q/08** | **3Q/08** | **4Q/08** | **1Q/09** | **2Q/09** | **3Q/09** | **4Q/09** | **1Q/10** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.40E-08 | 4.40E-08 | 4.50E-08 | 5.90E-08 | 5.90E-08 | 5.90E-08 | 6.10E-08 | 6.57E-08 |
| URI (ΔCDF) | -8.70E-08 | -8.70E-08 | -3.30E-08 | -2.70E-08 | -2.70E-08 | -2.60E-08 | 3.50E-08 | 4.41E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-4.30E-08** | **-4.30E-08** | **1.20E-08** | **3.20E-08** | **3.20E-08** | **3.30E-08** | **9.60E-08** | **1.10E-07** |

Licensee Comments: none

## 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 | 0.000006 | 0.000004 | 0.000005 | 0.000007 | 0.000006 | 0.000005 | 0.000010 | 0.000016 | 0.000005 | 0.000004 | 0.000004 | N/A |
| 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** | **N/A** |

| **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 | N/A | 0.000001 | 0.000003 | 0.000005 | 0.000004 | 0.000004 | 0.000002 | 0.000356 | 0.000031 | 0.000051 | 0.000085 | 0.000124 |
| 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** | **0.2** | **0** | **0** | **0** | **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 | 1.710 | 1.730 | 1.720 | 1.720 | 1.710 | 1.710 | 1.710 | 1.690 | 1.680 | 1.660 | 1.690 | N/A |
| 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** | **5.7** | **5.6** | **5.6** | **5.5** | **5.6** | **N/A** |
| **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 | N/A | 1.810 | 1.740 | 1.740 | 1.740 | 1.710 | 1.700 | 1.630 | 1.610 | 1.600 | 1.580 | 1.600 |
| 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** | **N/A** | **6.0** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.4** | **5.4** | **5.3** | **5.3** | **5.3** |

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 | 30.0 | 43.0 | 8.0 | 2.0 | 23.0 | 10.0 | 12.0 | 12.0 |
| Total opportunities | 32.0 | 43.0 | 8.0 | 2.0 | 23.0 | 10.0 | 14.0 | 12.0 |
| | | | | | | | | |
| **Indicator value** | **94.4%** | **98.0%** | **97.8%** | **97.8%** | **98.5%** | **98.5%** | **97.1%** | **97.2%** |

Licensee Comments: none

**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 | 134.0 | 142.0 | 148.0 | 141.0 | 132.0 | 136.0 | 134.0 | 129.0 |
| Total Key personnel | 134.0 | 143.0 | 148.0 | 141.0 | 132.0 | 136.0 | 134.0 | 130.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **99.3%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.2%** |

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 | 2Q/08 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/10: Plant Hatch does not use sirens as an emergency notificaiton system.

## 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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

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Security information not publicly available.

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*Last Modified: April 26, 2010*

# Hatch 2

## 2Q/2010 Performance Indicators

Licensee's General Comments: none

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 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0** | **2.2** | **2.2** | **2.2** | **1.9** | **0** |

Licensee Comments: none

## 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 | 0 | 1.0 | 0 | 0 | 1.0 | 0 | 1.0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.9** | **1.1** | **2.2** | **1.1** | **1.9** | **1.6** |

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** | **1.0** | **1.0** | **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 | 1 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **2** | **1** | **1** | **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 | 3Q/08 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.20E-08 | 6.70E-08 | 8.70E-08 | 6.00E-08 | 6.60E-08 | 8.56E-08 | 8.26E-08 | 9.03E-08 |
| URI (ΔCDF) | 6.60E-07 | 6.60E-07 | 6.60E-07 | 7.70E-07 | 7.70E-07 | 8.04E-08 | 7.13E-08 | 7.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.22E-07** | **7.27E-07** | **7.47E-07** | **8.30E-07** | **8.36E-07** | **1.70E-07** | **1.50E-07** | **1.70E-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 (ΔCDF) | 3.70E-08 | 3.70E-08 | 1.10E-08 | -4.80E-09 | -4.80E-09 | -4.81E-09 | -1.40E-08 | -2.62E-08 |
| URI (ΔCDF) | 2.00E-06 | 2.10E-06 | 7.80E-07 | 7.80E-07 | 8.00E-07 | 7.82E-07 | 5.70E-07 | 1.52E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.04E-06** | **2.14E-06** | **7.91E-07** | **7.75E-07** | **7.95E-07** | **7.80E-07** | **5.60E-07** | **1.30E-07** |

Licensee Comments:

4Q/09: One HPCI event is under evaluation (CR2009111523). Update: The engineering evaluation is complete and this event was determined not to be a failure.

## 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 (ΔCDF) | -6.60E-08 | -6.70E-08 | -3.50E-08 | -3.20E-08 | -4.00E-08 | -3.95E-08 | -3.96E-08 | -3.96E-08 |
| URI (ΔCDF) | -1.90E-07 | -1.80E-07 | -8.80E-08 | -8.30E-08 | -8.20E-08 | -8.15E-08 | -7.91E-08 | -7.92E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.56E-07** | **-2.47E-07** | **-1.23E-07** | **-1.15E-07** | **-1.22E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** |

Licensee Comments:

4Q/09: One RCIC event is under evaluation (CR2009111523). Update: The engineering evaluation is complete and this event was determined not to be a failure.

## 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 (ΔCDF) | 1.80E-08 | 1.80E-08 | 2.20E-08 | 2.50E-08 | 1.10E-08 | -2.20E-09 | -3.80E-09 | 8.17E-09 |
| URI (ΔCDF) | 1.10E-07 | 1.10E-07 | 2.30E-07 | 2.30E-07 | 2.30E-07 | 1.30E-07 | 1.34E-07 | 2.89E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.28E-07** | **1.28E-07** | **2.52E-07** | **2.55E-07** | **2.41E-07** | **1.28E-07** | **1.30E-07** | **3.70E-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 (ΔCDF) | 4.40E-08 | 4.50E-08 | 5.90E-08 | 5.90E-08 | 5.90E-08 | 6.10E-08 | 6.57E-08 | 6.43E-08 |
| URI (ΔCDF) | -8.70E-08 | -3.30E-08 | -2.70E-08 | -2.70E-08 | -2.60E-08 | 3.50E-08 | 4.41E-08 | 4.64E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-4.30E-08** | **1.20E-08** | **3.20E-08** | **3.20E-08** | **3.30E-08** | **9.60E-08** | **1.10E-07** | **1.10E-07** |

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 | 0.000007 | 0.000006 | 0.000005 | 0.000010 | 0.000016 | 0.000005 | 0.000004 | 0.000004 | N/A | N/A | 0.000001 | 0.000003 |
| 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** | **N/A** | **N/A** | **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 | 0.000004 | 0.000004 | 0.000002 | 0.000356 | 0.000031 | 0.000051 | 0.000085 | 0.000124 | 0.000075 | 0.000125 | 0.000113 |
| 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** | **0.2** | **0** | **0** | **0** | **0.1** | **0** | **0.1** | **0.1** |

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 | 1.720 | 1.710 | 1.710 | 1.710 | 1.690 | 1.680 | 1.660 | 1.690 | N/A | N/A | 1.810 | 1.740 |
| 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** | **5.7** | **5.7** | **5.7** | **5.6** | **5.6** | **5.5** | **5.6** | **N/A** | **N/A** | **6.0** | **5.8** |
| **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 | 1.740 | 1.740 | 1.710 | 1.700 | 1.630 | 1.610 | 1.600 | 1.580 | 1.600 | 1.720 | 1.750 | 1.770 |
| 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** | **5.8** | **5.7** | **5.7** | **5.4** | **5.4** | **5.3** | **5.3** | **5.3** | **5.7** | **5.8** | **5.9** |

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.

## 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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

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Security information not publicly available.

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*Last Modified: July 26, 2010*

# Hatch 2

## 3Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0** | **2.2** | **2.2** | **2.2** | **1.9** | **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/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2209.0 | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.9** | **1.1** | **2.2** | **1.1** | **1.9** | **1.6** | **0.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Scrams with complications | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | **1.0** | **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) | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **2** | **1** | **1** | **1** | **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 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.70E-08 | 8.70E-08 | 6.00E-08 | 6.60E-08 | 8.56E-08 | 8.26E-08 | 9.03E-08 | 1.32E-07 |
| URI (ΔCDF) | 6.60E-07 | 6.60E-07 | 7.70E-07 | 7.70E-07 | 8.04E-08 | 7.13E-08 | 7.51E-08 | 5.79E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.27E-07** | **7.47E-07** | **8.30E-07** | **8.36E-07** | **1.70E-07** | **1.50E-07** | **1.70E-07** | **1.90E-07** |

Licensee Comments:

3Q/10: Risk Cap Invoked.

## 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/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.70E-08 | 1.10E-08 | -4.80E-09 | -4.80E-09 | -4.81E-09 | -1.40E-08 | -2.62E-08 | -2.62E-08 |
| URI (ΔCDF) | 2.10E-06 | 7.80E-07 | 7.80E-07 | 8.00E-07 | 7.82E-07 | 5.70E-07 | 1.52E-07 | 1.52E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.14E-06** | **7.91E-07** | **7.75E-07** | **7.95E-07** | **7.80E-07** | **5.60E-07** | **1.30E-07** | **1.30E-07** |

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 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.70E-08 | -3.50E-08 | -3.20E-08 | -4.00E-08 | -3.95E-08 | -3.96E-08 | -3.96E-08 | 5.54E-09 |
| URI (ΔCDF) | -1.80E-07 | -8.80E-08 | -8.30E-08 | -8.20E-08 | -8.15E-08 | -7.91E-08 | -7.92E-08 | -8.34E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.47E-07** | **-1.23E-07** | **-1.15E-07** | **-1.22E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-7.80E-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 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.80E-08 | 2.20E-08 | 2.50E-08 | 1.10E-08 | -2.20E-09 | -3.80E-09 | 8.17E-09 | 3.29E-08 |
| URI (ΔCDF) | 1.10E-07 | 2.30E-07 | 2.30E-07 | 2.30E-07 | 1.30E-07 | 1.34E-07 | 2.89E-08 | 2.82E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.28E-07** | **2.52E-07** | **2.55E-07** | **2.41E-07** | **1.28E-07** | **1.30E-07** | **3.70E-08** | **6.10E-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 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.50E-08 | 5.90E-08 | 5.90E-08 | 5.90E-08 | 6.10E-08 | 6.57E-08 | 6.43E-08 | 6.49E-08 |
| URI (ΔCDF) | -3.30E-08 | -2.70E-08 | -2.70E-08 | -2.60E-08 | 3.50E-08 | 4.41E-08 | 4.64E-08 | 4.87E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.20E-08** | **3.20E-08** | **3.20E-08** | **3.30E-08** | **9.60E-08** | **1.10E-07** | **1.10E-07** | **1.10E-07** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/08** | **11/08** | **12/08** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000016 | 0.000005 | 0.000004 | 0.000004 | N/A | N/A | 0.000001 | 0.000003 | 0.000005 | 0.000004 | 0.000004 |
| 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** | **N/A** | **N/A** | **0** | **0** | **0** | **0** | **0** |

| **Reactor Coolant System Activity** | **10/09** | **11/09** | **12/09** | **1/10** | **2/10** | **3/10** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000002 | 0.000356 | 0.000031 | 0.000051 | 0.000085 | 0.000124 | 0.000075 | 0.000125 | 0.000113 | 0.000127 | 0.000143 | 0.000143 |
| 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** | **0.2** | **0** | **0** | **0** | **0.1** | **0** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** |

Licensee Comments: none

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/08** | **11/08** | **12/08** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.710 | 1.690 | 1.680 | 1.660 | 1.690 | N/A | N/A | 1.810 | 1.740 | 1.740 | 1.740 | 1.710 |
| 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** | **5.6** | **5.6** | **5.5** | **5.6** | **N/A** | **N/A** | **6.0** | **5.8** | **5.8** | **5.8** | **5.7** |
| **Reactor Coolant System Leakage** | **10/09** | **11/09** | **12/09** | **1/10** | **2/10** | **3/10** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** |
| Maximum leakage | 1.700 | 1.630 | 1.610 | 1.600 | 1.580 | 1.600 | 1.720 | 1.750 | 1.770 | 1.740 | 1.610 | 1.520 |
| 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** | **5.4** | **5.4** | **5.3** | **5.3** | **5.3** | **5.7** | **5.8** | **5.9** | **5.8** | **5.4** | **5.1** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 8.0 | 2.0 | 23.0 | 10.0 | 12.0 | 12.0 | 27.0 | 38.0 |
| Total opportunities | 8.0 | 2.0 | 23.0 | 10.0 | 14.0 | 12.0 | 28.0 | 40.0 |
| | | | | | | | | |
| **Indicator value** | **97.8%** | **97.8%** | **98.5%** | **98.5%** | **97.1%** | **97.2%** | **97.9%** | **96.4%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 148.0 | 141.0 | 132.0 | 136.0 | 134.0 | 129.0 | 135.0 | 136.0 |
| Total Key personnel | 148.0 | 141.0 | 132.0 | 136.0 | 134.0 | 130.0 | 135.0 | 136.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.2%** | **100.0%** | **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 | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/10: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 4Q/08 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/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

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Security information not publicly available.

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*Last Modified: October 25, 2010*

# Hatch 2

## 4Q/2010 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **2.2** | **2.2** | **2.2** | **1.9** | **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 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 937.3 | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **1.1** | **2.2** | **1.1** | **1.9** | **1.6** | **0.8** | **0.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/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) | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **2** | **1** | **1** | **1** | **1** | **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 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.70E-08 | 6.00E-08 | 6.60E-08 | 8.56E-08 | 8.26E-08 | 9.03E-08 | 1.32E-07 | 2.07E-07 |
| URI (ΔCDF) | 6.60E-07 | 7.70E-07 | 7.70E-07 | 8.04E-08 | 7.13E-08 | 7.51E-08 | 5.79E-08 | 1.35E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.47E-07** | **8.30E-07** | **8.36E-07** | **1.70E-07** | **1.50E-07** | **1.70E-07** | **1.90E-07** | **3.40E-07** |

Licensee Comments:

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.10E-08 | -4.80E-09 | -4.80E-09 | -4.81E-09 | -1.40E-08 | -2.62E-08 | -2.62E-08 | -1.46E-08 |
| URI (ΔCDF) | 7.80E-07 | 7.80E-07 | 8.00E-07 | 7.82E-07 | 5.70E-07 | 1.52E-07 | 1.52E-07 | 9.27E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.91E-07** | **7.75E-07** | **7.95E-07** | **7.80E-07** | **5.60E-07** | **1.30E-07** | **1.30E-07** | **7.80E-08** |

Licensee Comments:

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.50E-08 | -3.20E-08 | -4.00E-08 | -3.95E-08 | -3.96E-08 | -3.96E-08 | 5.54E-09 | 1.01E-08 |
| URI (ΔCDF) | -8.80E-08 | -8.30E-08 | -8.20E-08 | -8.15E-08 | -7.91E-08 | -7.92E-08 | -8.34E-08 | -1.88E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.23E-07** | **-1.15E-07** | **-1.22E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-7.80E-08** | **-8.70E-09** |

Licensee Comments:

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.20E-08 | 2.50E-08 | 1.10E-08 | -2.20E-09 | -3.80E-09 | 8.17E-09 | 3.29E-08 | 5.86E-08 |
| URI (ΔCDF) | 2.30E-07 | 2.30E-07 | 2.30E-07 | 1.30E-07 | 1.34E-07 | 2.89E-08 | 2.82E-08 | 3.47E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.52E-07** | **2.55E-07** | **2.41E-07** | **1.28E-07** | **1.30E-07** | **3.70E-08** | **6.10E-08** | **9.30E-08** |

Licensee Comments:

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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** | **1Q/09** | **2Q/09** | **3Q/09** | **4Q/09** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.90E-08 | 5.90E-08 | 5.90E-08 | 6.10E-08 | 6.57E-08 | 6.43E-08 | 6.49E-08 | 1.40E-07 |
| URI (ΔCDF) | -2.70E-08 | -2.70E-08 | -2.60E-08 | 3.50E-08 | 4.41E-08 | 4.64E-08 | 4.87E-08 | 1.32E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.20E-08** | **3.20E-08** | **3.30E-08** | **9.60E-08** | **1.10E-07** | **1.10E-07** | **1.10E-07** | **2.70E-07** |

Licensee Comments:

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

# Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/09** | **2/09** | **3/09** | **4/09** | **5/09** | **6/09** | **7/09** | **8/09** | **9/09** | **10/09** | **11/09** | **12/09** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000004 | 0.000004 | N/A | N/A | 0.000001 | 0.000003 | 0.000005 | 0.000004 | 0.000004 | 0.000002 | 0.000356 | 0.000031 |
| 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** | **N/A** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** | **0.2** | **0** |

| **Reactor Coolant System Activity** | **1/10** | **2/10** | **3/10** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000051 | 0.000085 | 0.000124 | 0.000075 | 0.000125 | 0.000113 | 0.000127 | 0.000143 | 0.000143 | 0.000136 | 0.000128 | 0.000126 |
| 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** | **0.1** | **0** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** |

Licensee Comments: none

# Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 1/09 | 2/09 | 3/09 | 4/09 | 5/09 | 6/09 | 7/09 | 8/09 | 9/09 | 10/09 | 11/09 | 12/09 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.660 | 1.690 | N/A | N/A | 1.810 | 1.740 | 1.740 | 1.740 | 1.710 | 1.700 | 1.630 | 1.610 |
| 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** | **5.6** | **N/A** | **N/A** | **6.0** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.4** | **5.4** |
| **Reactor Coolant System Leakage** | **1/10** | **2/10** | **3/10** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** |
| Maximum leakage | 1.600 | 1.580 | 1.600 | 1.720 | 1.750 | 1.770 | 1.740 | 1.610 | 1.520 | 1.500 | 1.420 | 1.420 |
| 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** | **5.3** | **5.3** | **5.3** | **5.7** | **5.8** | **5.9** | **5.8** | **5.4** | **5.1** | **5.0** | **4.7** | **4.7** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 2.0 | 23.0 | 10.0 | 12.0 | 12.0 | 27.0 | 38.0 | 8.0 |
| Total opportunities | 2.0 | 23.0 | 10.0 | 14.0 | 12.0 | 28.0 | 40.0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **97.8%** | **98.5%** | **98.5%** | **97.1%** | **97.2%** | **97.9%** | **96.4%** | **96.4%** |

Licensee Comments: none

## Notes

| ERO Drill Participation | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 141.0 | 132.0 | 136.0 | 134.0 | 129.0 | 135.0 | 136.0 | 138.0 |
| Total Key personnel | 141.0 | 132.0 | 136.0 | 134.0 | 130.0 | 135.0 | 136.0 | 138.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **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 | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/10: Plant Hatch does not use sirens as an emergency notificaton system.

## Occupational Exposure Control Effectiveness

Thresholds: White > 2.0 Yellow > 5.0

### Notes

| Occupational Exposure Control Effectiveness | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 1Q/09 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/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

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Security information not publicly available.

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*Last Modified: January 24, 2011*

# Hatch 2

## 1Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 |
| | | | | | | | | |
| **Indicator value** | **2.2** | **2.2** | **2.2** | **1.9** | **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/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 877.2 | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 |
| | | | | | | | | |
| **Indicator value** | **1.1** | **2.2** | **1.1** | **1.9** | **1.6** | **0.8** | **0.8** | **0** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **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 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.00E-08 | 6.60E-08 | 8.56E-08 | 8.26E-08 | 9.03E-08 | 1.32E-07 | 2.07E-07 | 2.22E-07 |
| URI (ΔCDF) | 7.70E-07 | 7.70E-07 | 8.04E-08 | 7.13E-08 | 7.51E-08 | 5.79E-08 | 1.35E-07 | 1.30E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **8.30E-07** | **8.36E-07** | **1.70E-07** | **1.50E-07** | **1.70E-07** | **1.90E-07** | **3.40E-07** | **3.50E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -4.80E-09 | -4.80E-09 | -4.81E-09 | -1.40E-08 | -2.62E-08 | -2.62E-08 | -1.46E-08 | -2.24E-08 |
| URI (ΔCDF) | 7.80E-07 | 8.00E-07 | 7.82E-07 | 5.70E-07 | 1.52E-07 | 1.52E-07 | 9.27E-08 | -3.61E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.75E-07** | **7.95E-07** | **7.80E-07** | **5.60E-07** | **1.30E-07** | **1.30E-07** | **7.80E-08** | **-5.80E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.20E-08 | -4.00E-08 | -3.95E-08 | -3.96E-08 | -3.96E-08 | 5.54E-09 | 1.01E-08 | 1.51E-08 |
| URI (ΔCDF) | -8.30E-08 | -8.20E-08 | -8.15E-08 | -7.91E-08 | -7.92E-08 | -8.34E-08 | -1.88E-08 | -1.57E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.15E-07** | **-1.22E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-7.80E-08** | **-8.70E-09** | **-6.30E-10** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.50E-08 | 1.10E-08 | -2.20E-09 | -3.80E-09 | 8.17E-09 | 3.29E-08 | 5.86E-08 | 6.81E-08 |
| URI (ΔCDF) | 2.30E-07 | 2.30E-07 | 1.30E-07 | 1.34E-07 | 2.89E-08 | 2.82E-08 | 3.47E-08 | 4.73E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.55E-07** | **2.41E-07** | **1.28E-07** | **1.30E-07** | **3.70E-08** | **6.10E-08** | **9.30E-08** | **1.20E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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/09** | **3Q/09** | **4Q/09** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** | **1Q/11** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.00E-08 | 6.04E-08 | 6.27E-08 | 6.72E-08 | 6.57E-08 | 6.63E-08 | 1.40E-07 | 1.41E-07 |
| URI (ΔCDF) | -2.71E-08 | -2.61E-08 | 3.46E-08 | 4.41E-08 | 4.64E-08 | 4.87E-08 | 1.32E-07 | 1.37E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.30E-08** | **3.40E-08** | **9.70E-08** | **1.10E-07** | **1.10E-07** | **1.20E-07** | **2.70E-07** | **2.80E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

3Q/10: Changed PRA Parameter(s). Update for change file: Version D of the Basis Document shows that the FVUAP values for Unit 2 RHRSW divisions 1 and 2 should be 3.90e-02 and 7.22e-02, respectively. However, the January Unit 2 Cooling Water Derivation Report shows that the FVUAP values for U2 RHRSW divisions 1 and 2 are still Version C values. Since the values in Version E of the Basis Document went into effect October 2010, the FVUAP values were overridden from January 2009 through September 2010 for U2 RHRSW Divisions 1 and 2 to be 3.90e-02 and 7.22e-02, as described in Version D of the Basis. This change did not affect the ???color??? of the indicator.

2Q/10: Changed PRA Parameter(s).

1Q/10: Changed PRA Parameter(s).

4Q/09: Changed PRA Parameter(s).

3Q/09: Changed PRA Parameter(s).

2Q/09: Changed PRA Parameter(s).

1Q/09: Changed PRA Parameter(s). CDF and the PRA importance coefficients for all monitored components for

both units were updated in CDE per update to the plant specific PRA (Revision 3) in December 2008.

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Thresholds: White > 50.0 Yellow > 100.0

## Notes

| 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 | N/A | 0.000001 | 0.000003 | 0.000005 | 0.000004 | 0.000004 | 0.000002 | 0.000356 | 0.000031 | 0.000051 | 0.000085 | 0.000124 |
| 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** | **0.2** | **0** | **0** | **0** | **0.1** |

| Reactor Coolant System Activity | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000075 | 0.000125 | 0.000113 | 0.000127 | 0.000143 | 0.000143 | 0.000136 | 0.000128 | 0.000126 | 0.000121 | 0.000115 | 0.000111 |
| 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** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** |

Licensee Comments: none

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## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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 | N/A | 1.810 | 1.740 | 1.740 | 1.740 | 1.710 | 1.700 | 1.630 | 1.610 | 1.600 | 1.580 | 1.600 |
| 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** | **N/A** | **6.0** | **5.8** | **5.8** | **5.8** | **5.7** | **5.7** | **5.4** | **5.4** | **5.3** | **5.3** | **5.3** |
| **Reactor Coolant System Leakage** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** |
| Maximum leakage | 1.720 | 1.750 | 1.770 | 1.740 | 1.610 | 1.520 | 1.500 | 1.420 | 1.420 | 1.350 | 1.360 | 1.440 |
| 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** | **5.9** | **5.8** | **5.4** | **5.1** | **5.0** | **4.7** | **4.7** | **4.5** | **4.5** | **4.8** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 23.0 | 10.0 | 12.0 | 12.0 | 27.0 | 38.0 | 8.0 | 8.0 |
| Total opportunities | 23.0 | 10.0 | 14.0 | 12.0 | 28.0 | 40.0 | 8.0 | 8.0 |
| | | | | | | | | |
| **Indicator value** | **98.5%** | **98.5%** | **97.1%** | **97.2%** | **97.9%** | **96.4%** | **96.4%** | **96.5%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 132.0 | 136.0 | 134.0 | 129.0 | 135.0 | 136.0 | 138.0 | 136.0 |
| Total Key personnel | 132.0 | 136.0 | 134.0 | 130.0 | 135.0 | 136.0 | 138.0 | 136.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **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 | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/11: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 2Q/09 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: May 4, 2011*

# Hatch 2

## 2Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 |
| | | | | | | | | |
| **Indicator value** | **2.2** | **2.2** | **1.9** | **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 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2208.0 | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 |
| | | | | | | | | |
| **Indicator value** | **2.2** | **1.1** | **1.9** | **1.6** | **0.8** | **0.8** | **0** | **0.9** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **1** | **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/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.60E-08 | 8.56E-08 | 8.26E-08 | 9.03E-08 | 1.32E-07 | 2.07E-07 | 2.22E-07 | 1.75E-07 |
| URI (ΔCDF) | 7.70E-07 | 8.04E-08 | 7.13E-08 | 7.51E-08 | 5.79E-08 | 1.35E-07 | 1.30E-07 | 1.44E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **8.36E-07** | **1.70E-07** | **1.50E-07** | **1.70E-07** | **1.90E-07** | **3.40E-07** | **3.50E-07** | **3.20E-07** |

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 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -4.80E-09 | -4.81E-09 | -1.40E-08 | -2.62E-08 | -2.62E-08 | -1.46E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | 8.00E-07 | 7.82E-07 | 5.70E-07 | 1.52E-07 | 1.52E-07 | 9.27E-08 | -3.61E-08 | -3.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.95E-07** | **7.80E-07** | **5.60E-07** | **1.30E-07** | **1.30E-07** | **7.80E-08** | **-5.80E-08** | **-5.70E-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/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -4.00E-08 | -3.95E-08 | -3.96E-08 | -3.96E-08 | 5.54E-09 | 1.01E-08 | 1.51E-08 | 1.61E-08 |
| URI (ΔCDF) | -8.20E-08 | -8.15E-08 | -7.91E-08 | -7.92E-08 | -8.34E-08 | -1.88E-08 | -1.57E-08 | -1.63E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.22E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-7.80E-08** | **-8.70E-09** | **-6.30E-10** | **-2.30E-10** |

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/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.10E-08 | -2.20E-09 | -3.80E-09 | 8.17E-09 | 3.29E-08 | 5.86E-08 | 6.81E-08 | 7.23E-08 |
| URI (ΔCDF) | 2.30E-07 | 1.30E-07 | 1.34E-07 | 2.89E-08 | 2.82E-08 | 3.47E-08 | 4.73E-08 | 5.41E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.41E-07** | **1.28E-07** | **1.30E-07** | **3.70E-08** | **6.10E-08** | **9.30E-08** | **1.20E-07** | **1.30E-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 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.04E-08 | 6.27E-08 | 6.72E-08 | 6.57E-08 | 6.63E-08 | 1.40E-07 | 1.41E-07 | 7.78E-08 |
| URI (ΔCDF) | -2.61E-08 | 3.46E-08 | 4.41E-08 | 4.64E-08 | 4.87E-08 | 1.32E-07 | 1.37E-07 | 8.92E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.40E-08** | **9.70E-08** | **1.10E-07** | **1.10E-07** | **1.20E-07** | **2.70E-07** | **2.80E-07** | **1.70E-07** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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 | 0.000004 | 0.000004 | 0.000002 | 0.000356 | 0.000031 | 0.000051 | 0.000085 | 0.000124 | 0.000075 | 0.000125 | 0.000113 |
| 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** | **0.2** | **0** | **0** | **0** | **0.1** | **0** | **0.1** | **0.1** |

| **Reactor Coolant System Activity** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000127 | 0.000143 | 0.000143 | 0.000136 | 0.000128 | 0.000126 | 0.000121 | 0.000115 | 0.000111 | N/A | 0.000045 | 0.000054 |
| 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** | **N/A** | **0** | **0** |

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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 | 1.740 | 1.740 | 1.710 | 1.700 | 1.630 | 1.610 | 1.600 | 1.580 | 1.600 | 1.720 | 1.750 | 1.770 |
| 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** | **5.8** | **5.7** | **5.7** | **5.4** | **5.4** | **5.3** | **5.3** | **5.3** | **5.7** | **5.8** | **5.9** |
| **Reactor Coolant System Leakage** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** |
| Maximum leakage | 1.740 | 1.610 | 1.520 | 1.500 | 1.420 | 1.420 | 1.350 | 1.360 | 1.440 | N/A | 1.770 | 1.770 |
| 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** | **5.4** | **5.1** | **5.0** | **4.7** | **4.7** | **4.5** | **4.5** | **4.8** | **N/A** | **5.9** | **5.9** |

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 10.0 | 12.0 | 12.0 | 27.0 | 38.0 | 8.0 | 8.0 | 30.0 |
| Total opportunities | 10.0 | 14.0 | 12.0 | 28.0 | 40.0 | 8.0 | 8.0 | 32.0 |
| | | | | | | | | |
| **Indicator value** | **98.5%** | **97.1%** | **97.2%** | **97.9%** | **96.4%** | **96.4%** | **96.5%** | **95.4%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 136.0 | 134.0 | 129.0 | 135.0 | 136.0 | 138.0 | 136.0 | 141.0 |
| Total Key personnel | 136.0 | 134.0 | 130.0 | 135.0 | 136.0 | 138.0 | 136.0 | 143.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **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 | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/09 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: July 22, 2011*

# Hatch 2

## 3Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **2.2** | **1.9** | **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 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 |
| Critical hours | 2209.0 | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **1.1** | **1.9** | **1.6** | **0.8** | **0.8** | **0** | **0.9** | **1.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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) | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **1** | **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** | **4Q/09** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.56E-08 | 8.26E-08 | 9.03E-08 | 1.32E-07 | 2.07E-07 | 2.22E-07 | 1.75E-07 | 1.61E-07 |
| URI (ΔCDF) | 8.04E-08 | 7.13E-08 | 7.51E-08 | 5.79E-08 | 1.35E-07 | 1.30E-07 | 1.44E-07 | -5.97E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.70E-07** | **1.50E-07** | **1.70E-07** | **1.90E-07** | **3.40E-07** | **3.50E-07** | **3.20E-07** | **1.00E-07** |

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/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -4.81E-09 | -1.40E-08 | -2.62E-08 | -2.62E-08 | -1.46E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | 7.82E-07 | 5.70E-07 | 1.52E-07 | 1.52E-07 | 9.27E-08 | -3.61E-08 | -3.51E-08 | -3.37E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.80E-07** | **5.60E-07** | **1.30E-07** | **1.30E-07** | **7.80E-08** | **-5.80E-08** | **-5.70E-08** | **-5.60E-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** | **4Q/09** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.95E-08 | -3.96E-08 | -3.96E-08 | 5.54E-09 | 1.01E-08 | 1.51E-08 | 1.61E-08 | 1.56E-08 |
| URI (ΔCDF) | -8.15E-08 | -7.91E-08 | -7.92E-08 | -8.34E-08 | -1.88E-08 | -1.57E-08 | -1.63E-08 | -1.53E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-7.80E-08** | **-8.70E-09** | **-6.30E-10** | **-2.30E-10** | **3.30E-10** |

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/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.20E-09 | -3.80E-09 | 8.17E-09 | 3.29E-08 | 5.86E-08 | 6.81E-08 | 7.23E-08 | 2.03E-08 |
| URI (ΔCDF) | 1.30E-07 | 1.34E-07 | 2.89E-08 | 2.82E-08 | 3.47E-08 | 4.73E-08 | 5.41E-08 | 6.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.28E-07** | **1.30E-07** | **3.70E-08** | **6.10E-08** | **9.30E-08** | **1.20E-07** | **1.30E-07** | **8.50E-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 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.27E-08 | 6.72E-08 | 6.57E-08 | 6.63E-08 | 1.40E-07 | 1.41E-07 | 7.78E-08 | 7.80E-08 |
| URI (ΔCDF) | 3.46E-08 | 4.41E-08 | 4.64E-08 | 4.87E-08 | 1.32E-07 | 1.37E-07 | 8.92E-08 | 9.28E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **9.70E-08** | **1.10E-07** | **1.10E-07** | **1.20E-07** | **2.70E-07** | **2.80E-07** | **1.70E-07** | **1.70E-07** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/09** | **11/09** | **12/09** | **1/10** | **2/10** | **3/10** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000002 | 0.000356 | 0.000031 | 0.000051 | 0.000085 | 0.000124 | 0.000075 | 0.000125 | 0.000113 | 0.000127 | 0.000143 | 0.000143 |
| 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** | **0.2** | **0** | **0** | **0** | **0.1** | **0** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** |

| **Reactor Coolant System Activity** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000136 | 0.000128 | 0.000126 | 0.000121 | 0.000115 | 0.000111 | N/A | 0.000045 | 0.000054 | 0.000058 | 0.000060 | 0.000048 |
| 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** | **N/A** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

# Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 10/09 | 11/09 | 12/09 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.700 | 1.630 | 1.610 | 1.600 | 1.580 | 1.600 | 1.720 | 1.750 | 1.770 | 1.740 | 1.610 | 1.520 |
| 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** | **5.4** | **5.4** | **5.3** | **5.3** | **5.3** | **5.7** | **5.8** | **5.9** | **5.8** | **5.4** | **5.1** |
| **Reactor Coolant System Leakage** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** |
| Maximum leakage | 1.500 | 1.420 | 1.420 | 1.350 | 1.360 | 1.440 | N/A | 1.770 | 1.770 | 1.790 | 1.770 | 1.790 |
| 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** | **5.0** | **4.7** | **4.7** | **4.5** | **4.5** | **4.8** | **N/A** | **5.9** | **5.9** | **6.0** | **5.9** | **6.0** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 12.0 | 12.0 | 27.0 | 38.0 | 8.0 | 8.0 | 30.0 | 28.0 |
| Total opportunities | 14.0 | 12.0 | 28.0 | 40.0 | 8.0 | 8.0 | 32.0 | 28.0 |
| | | | | | | | | |
| **Indicator value** | **97.1%** | **97.2%** | **97.9%** | **96.4%** | **96.4%** | **96.5%** | **95.4%** | **95.9%** |

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 134.0 | 129.0 | 135.0 | 136.0 | 138.0 | 136.0 | 141.0 | 145.0 |
| Total Key personnel | 134.0 | 130.0 | 135.0 | 136.0 | 138.0 | 136.0 | 143.0 | 145.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **98.6%** | **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 | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

Thresholds: White > 1.0 Yellow > 3.0

### Notes

| RETS/ODCM Radiological Effluent | 4Q/09 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: November 29, 2011*

# Hatch 2

## 4Q/2011 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 |
| | | | | | | | | |
| **Indicator value** | **1.9** | **0** | **0** | **0** | **0** | **0** | **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 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 0 |
| Critical hours | 2159.0 | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 |
| | | | | | | | | |
| **Indicator value** | **1.9** | **1.6** | **0.8** | **0.8** | **0** | **0.9** | **1.8** | **1.9** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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) | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** | **0** | **0** | **1** |

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

## 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** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.26E-08 | 9.03E-08 | 1.32E-07 | 2.07E-07 | 2.22E-07 | 1.75E-07 | 1.61E-07 | 1.60E-07 |
| URI (ΔCDF) | 7.13E-08 | 7.51E-08 | 5.79E-08 | 1.35E-07 | 1.30E-07 | 1.44E-07 | -5.97E-08 | -6.34E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.50E-07** | **1.70E-07** | **1.90E-07** | **3.40E-07** | **3.50E-07** | **3.20E-07** | **1.00E-07** | **9.60E-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** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.40E-08 | -2.62E-08 | -2.62E-08 | -1.46E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | 5.70E-07 | 1.52E-07 | 1.52E-07 | 9.27E-08 | -3.61E-08 | -3.51E-08 | -3.37E-08 | -3.49E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.60E-07** | **1.30E-07** | **1.30E-07** | **7.80E-08** | **-5.80E-08** | **-5.70E-08** | **-5.60E-08** | **-5.70E-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** | **1Q/10** | **2Q/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.96E-08 | -3.96E-08 | 5.54E-09 | 1.01E-08 | 1.51E-08 | 1.61E-08 | 1.56E-08 | 1.60E-08 |
| URI (ΔCDF) | -7.91E-08 | -7.92E-08 | -8.34E-08 | -1.88E-08 | -1.57E-08 | -1.63E-08 | -1.53E-08 | -1.53E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.20E-07** | **-1.20E-07** | **-7.80E-08** | **-8.70E-09** | **-6.30E-10** | **-2.30E-10** | **3.30E-10** | **7.10E-10** |

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 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.80E-09 | 8.17E-09 | 3.29E-08 | 5.86E-08 | 6.81E-08 | 7.23E-08 | 2.03E-08 | 2.13E-08 |
| URI (ΔCDF) | 1.34E-07 | 2.89E-08 | 2.82E-08 | 3.47E-08 | 4.73E-08 | 5.41E-08 | 6.51E-08 | 6.14E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.30E-07** | **3.70E-08** | **6.10E-08** | **9.30E-08** | **1.20E-07** | **1.30E-07** | **8.50E-08** | **8.30E-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 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.72E-08 | 6.57E-08 | 6.63E-08 | 1.40E-07 | 1.41E-07 | 7.78E-08 | 7.80E-08 | 5.26E-08 |
| URI (ΔCDF) | 4.41E-08 | 4.64E-08 | 4.87E-08 | 1.32E-07 | 1.37E-07 | 8.92E-08 | 9.28E-08 | 5.08E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.10E-07** | **1.10E-07** | **1.20E-07** | **2.70E-07** | **2.80E-07** | **1.70E-07** | **1.70E-07** | **5.80E-08** |

Licensee Comments: none

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/10** | **2/10** | **3/10** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000051 | 0.000085 | 0.000124 | 0.000075 | 0.000125 | 0.000113 | 0.000127 | 0.000143 | 0.000143 | 0.000136 | 0.000128 | 0.000126 |
| 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** | **0.1** | **0** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** |

| **Reactor Coolant System Activity** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000121 | 0.000115 | 0.000111 | N/A | 0.000045 | 0.000054 | 0.000058 | 0.000060 | 0.000048 | 0.000038 | 0.000084 | 0.000048 |
| 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** | **N/A** | **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 | 1/10 | 2/10 | 3/10 | 4/10 | 5/10 | 6/10 | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.600 | 1.580 | 1.600 | 1.720 | 1.750 | 1.770 | 1.740 | 1.610 | 1.520 | 1.500 | 1.420 | 1.420 |
| 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** | **5.3** | **5.3** | **5.3** | **5.7** | **5.8** | **5.9** | **5.8** | **5.4** | **5.1** | **5.0** | **4.7** | **4.7** |
| **Reactor Coolant System Leakage** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** |
| Maximum leakage | 1.350 | 1.360 | 1.440 | N/A | 1.770 | 1.770 | 1.790 | 1.770 | 1.790 | 1.690 | 1.730 | 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** | **4.5** | **4.5** | **4.8** | **N/A** | **5.9** | **5.9** | **6.0** | **5.9** | **6.0** | **5.6** | **5.8** | **5.8** |

Licensee Comments: none

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 12.0 | 27.0 | 38.0 | 8.0 | 6.0 | 30.0 | 27.0 | 20.0 |
| Total opportunities | 12.0 | 28.0 | 40.0 | 8.0 | 6.0 | 32.0 | 27.0 | 21.0 |
| | | | | | | | | |
| **Indicator value** | **97.2%** | **97.9%** | **96.4%** | **96.4%** | **96.5%** | **95.3%** | **95.8%** | **96.6%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspections, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## Notes

| ERO Drill Participation | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 129.0 | 135.0 | 136.0 | 138.0 | 134.0 | 141.0 | 145.0 | 150.0 |
| Total Key personnel | 130.0 | 135.0 | 136.0 | 138.0 | 134.0 | 143.0 | 145.0 | 150.0 |
| | | | | | | | | |
| **Indicator value** | **99.2%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **98.6%** | **100.0%** | **100.0%** |

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

1Q/11: During NRC EP Inspectin, 10/31/11, did not have supporting doucmentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

# 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 | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 1Q/10 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: February 2, 2012*

# Hatch 2

## 1Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0.9** | **0.9** |

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 | 1.0 | 0 | 0 |
| Critical hours | 1925.1 | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **1.6** | **0.8** | **0.8** | **0** | **0.9** | **1.8** | **1.9** | **1.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **0** | **0** | **0** | **1** | **1** |

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

## 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/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 9.03E-08 | 1.32E-07 | 2.07E-07 | 2.22E-07 | 1.75E-07 | 1.61E-07 | 1.60E-07 | 1.69E-07 |
| URI (ΔCDF) | 7.51E-08 | 5.79E-08 | 1.35E-07 | 1.30E-07 | 1.44E-07 | -5.97E-08 | -6.34E-08 | -4.61E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.70E-07** | **1.90E-07** | **3.40E-07** | **3.50E-07** | **3.20E-07** | **1.00E-07** | **9.60E-08** | **1.20E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Risk Cap Invoked.

2Q/10: Risk Cap Invoked.

## 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/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.62E-08 | -2.62E-08 | -1.46E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | 1.52E-07 | 1.52E-07 | 9.27E-08 | -3.61E-08 | -3.51E-08 | -3.37E-08 | -3.49E-08 | -3.46E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.30E-07** | **1.30E-07** | **7.80E-08** | **-5.80E-08** | **-5.70E-08** | **-5.60E-08** | **-5.70E-08** | **-5.70E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -3.96E-08 | 5.54E-09 | 1.01E-08 | 1.51E-08 | 1.61E-08 | 1.56E-08 | 1.60E-08 | 1.43E-08 |
| URI (ΔCDF) | -7.92E-08 | -8.34E-08 | -1.88E-08 | -1.57E-08 | -1.63E-08 | -1.53E-08 | -1.53E-08 | -1.52E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.20E-07** | **-7.80E-08** | **-8.70E-09** | **-6.30E-10** | **-2.30E-10** | **3.30E-10** | **7.10E-10** | **-9.00E-10** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.17E-09 | 3.29E-08 | 5.86E-08 | 6.81E-08 | 7.23E-08 | 2.03E-08 | 2.13E-08 | 1.69E-08 |
| URI (ΔCDF) | 2.89E-08 | 2.82E-08 | 3.47E-08 | 4.73E-08 | 5.41E-08 | 6.51E-08 | 6.14E-08 | -1.16E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.70E-08** | **6.10E-08** | **9.30E-08** | **1.20E-07** | **1.30E-07** | **8.50E-08** | **8.30E-08** | **-9.90E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10** | **3Q/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.57E-08 | 6.63E-08 | 1.40E-07 | 1.41E-07 | 7.78E-08 | 7.80E-08 | 5.26E-08 | 3.55E-08 |
| URI (ΔCDF) | 4.64E-08 | 4.87E-08 | 1.32E-07 | 1.37E-07 | 8.92E-08 | 9.28E-08 | 5.08E-09 | 9.56E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.10E-07** | **1.20E-07** | **2.70E-07** | **2.80E-07** | **1.70E-07** | **1.70E-07** | **5.80E-08** | **4.50E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Changed PRA Parameter(s). Update for change file: Version D of the Basis Document shows that the FVUAP values for Unit 2 RHRSW divisions 1 and 2 should be 3.90e-02 and 7.22e-02, respectively. However, the January Unit 2 Cooling Water Derivation Report shows that the FVUAP values for U2 RHRSW divisions 1 and 2 are still Version C values. Since the values in Version E of the Basis Document went into effect October 2010, the FVUAP values were overridden from January 2009 through September 2010 for U2 RHRSW Divisions 1 and 2 to be 3.90e-02 and 7.22e-02, as described in Version D of the Basis. This change did not affect the ???color??? of the indicator.

2Q/10: Changed PRA Parameter(s).

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000075 | 0.000125 | 0.000113 | 0.000127 | 0.000143 | 0.000143 | 0.000136 | 0.000128 | 0.000126 | 0.000121 | 0.000115 | 0.000111 |
| 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** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** | **0.1** |

| **Reactor Coolant System Activity** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | N/A | 0.000045 | 0.000054 | 0.000058 | 0.000060 | 0.000048 | 0.000038 | 0.000084 | 0.000048 | 0.000062 | 0.000064 | 0.000116 |
| 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** | **0.1** |

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **4/10** | **5/10** | **6/10** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.720 | 1.750 | 1.770 | 1.740 | 1.610 | 1.520 | 1.500 | 1.420 | 1.420 | 1.350 | 1.360 | 1.440 |
| 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** | **5.9** | **5.8** | **5.4** | **5.1** | **5.0** | **4.7** | **4.7** | **4.5** | **4.5** | **4.8** |
| **Reactor Coolant System Leakage** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** |
| Maximum leakage | N/A | 1.770 | 1.770 | 1.790 | 1.770 | 1.790 | 1.690 | 1.730 | 1.730 | 1.710 | 1.650 | 1.620 |
| 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** | **N/A** | **5.9** | **5.9** | **6.0** | **5.9** | **6.0** | **5.6** | **5.8** | **5.8** | **5.7** | **5.5** | **5.4** |

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 27.0 | 38.0 | 8.0 | 6.0 | 30.0 | 27.0 | 20.0 | 10.0 |
| Total opportunities | 28.0 | 40.0 | 8.0 | 6.0 | 32.0 | 27.0 | 21.0 | 10.0 |
| | | | | | | | | |
| **Indicator value** | **97.9%** | **96.4%** | **96.4%** | **96.5%** | **95.3%** | **95.8%** | **96.6%** | **96.5%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspections, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## Notes

| ERO Drill Participation | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 135.0 | 136.0 | 138.0 | 134.0 | 141.0 | 145.0 | 150.0 | 150.0 |
| Total Key personnel | 135.0 | 136.0 | 138.0 | 134.0 | 143.0 | 145.0 | 150.0 | 150.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **98.6%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

1Q/11: During NRC EP Inspectin, 10/31/11, did not have supporting doucmentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

# 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 | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

1Q/11: Plant Hatch does not use sirens as an emergency notification system.

4Q/10: Plant Hatch does not use sirens as an emergency notificaton system.

3Q/10: Plant Hatch does not use sirens as an emergency notification system.

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

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 2Q/10 | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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Security information not publicly available.

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*Last Modified: April 24, 2012*

# Hatch 2

## 2Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0.9** | **0.9** | **0.8** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0** | **0.9** | **1.8** | **1.9** | **1.8** | **0.8** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **0** | **0** | **0** | **1** | **1** | **1** |

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

## 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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.32E-07 | 2.07E-07 | 2.22E-07 | 1.75E-07 | 1.61E-07 | 1.60E-07 | 1.69E-07 | 2.17E-07 |
| URI (ΔCDF) | 5.79E-08 | 1.35E-07 | 1.30E-07 | 1.44E-07 | -5.97E-08 | -6.34E-08 | -4.61E-08 | -3.43E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.90E-07** | **3.40E-07** | **3.50E-07** | **3.20E-07** | **1.00E-07** | **9.60E-08** | **1.20E-07** | **1.80E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Risk Cap Invoked.

## 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/10** | **4Q/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.62E-08 | -1.46E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | 1.52E-07 | 9.27E-08 | -3.61E-08 | -3.51E-08 | -3.37E-08 | -3.49E-08 | -3.46E-08 | -3.20E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.30E-07** | **7.80E-08** | **-5.80E-08** | **-5.70E-08** | **-5.60E-08** | **-5.70E-08** | **-5.70E-08** | **-5.40E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.54E-09 | 1.01E-08 | 1.51E-08 | 1.61E-08 | 1.56E-08 | 1.60E-08 | 1.43E-08 | 1.27E-08 |
| URI (ΔCDF) | -8.34E-08 | -1.88E-08 | -1.57E-08 | -1.63E-08 | -1.53E-08 | -1.53E-08 | -1.52E-08 | -1.40E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-7.80E-08** | **-8.70E-09** | **-6.30E-10** | **-2.30E-10** | **3.30E-10** | **7.10E-10** | **-9.00E-10** | **-1.30E-09** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.29E-08 | 5.86E-08 | 6.81E-08 | 7.23E-08 | 2.03E-08 | 2.13E-08 | 1.69E-08 | 1.45E-08 |
| URI (ΔCDF) | 2.82E-08 | 3.47E-08 | 4.73E-08 | 5.41E-08 | 6.51E-08 | 6.14E-08 | -1.16E-07 | -1.13E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **6.10E-08** | **9.30E-08** | **1.20E-07** | **1.30E-07** | **8.50E-08** | **8.30E-08** | **-9.90E-08** | **-9.90E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.63E-08 | 1.40E-07 | 1.41E-07 | 7.78E-08 | 7.80E-08 | 5.26E-08 | 3.55E-08 | 5.68E-08 |
| URI (ΔCDF) | 4.87E-08 | 1.32E-07 | 1.37E-07 | 8.92E-08 | 9.28E-08 | 5.08E-09 | 9.56E-09 | 1.08E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.20E-07** | **2.70E-07** | **2.80E-07** | **1.70E-07** | **1.70E-07** | **5.80E-08** | **4.50E-08** | **6.80E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

3Q/10: Changed PRA Parameter(s). Update for change file: Version D of the Basis Document shows that the FVUAP values for Unit 2 RHRSW divisions 1 and 2 should be 3.90e-02 and 7.22e-02, respectively. However, the January Unit 2 Cooling Water Derivation Report shows that the FVUAP values for U2 RHRSW divisions 1 and 2 are still Version C values. Since the values in Version E of the Basis Document went into effect October 2010, the FVUAP values were overridden from January 2009 through September 2010 for U2 RHRSW Divisions 1 and 2 to be 3.90e-02 and 7.22e-02, as described in Version D of the Basis. This change did not affect the ???color??? of the indicator.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| Reactor Coolant System Activity | 7/10 | 8/10 | 9/10 | 10/10 | 11/10 | 12/10 | 1/11 | 2/11 | 3/11 | 4/11 | 5/11 | 6/11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000127 | 0.000143 | 0.000143 | 0.000136 | 0.000128 | 0.000126 | 0.000121 | 0.000115 | 0.000111 | N/A | 0.000045 | 0.000054 |
| 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** | **N/A** | **0** | **0** |

| Reactor Coolant System Activity | 7/11 | 8/11 | 9/11 | 10/11 | 11/11 | 12/11 | 1/12 | 2/12 | 3/12 | 4/12 | 5/12 | 6/12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000058 | 0.000060 | 0.000048 | 0.000038 | 0.000084 | 0.000048 | 0.000062 | 0.000064 | 0.000116 | 0.000063 | 0.000062 | 0.000062 |
| 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** | **0.1** | **0** | **0** | **0** |

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

# Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/10** | **8/10** | **9/10** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.740 | 1.610 | 1.520 | 1.500 | 1.420 | 1.420 | 1.350 | 1.360 | 1.440 | N/A | 1.770 | 1.770 |
| 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** | **5.4** | **5.1** | **5.0** | **4.7** | **4.7** | **4.5** | **4.5** | **4.8** | **N/A** | **5.9** | **5.9** |
| **Reactor Coolant System Leakage** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** |
| Maximum leakage | 1.790 | 1.770 | 1.790 | 1.690 | 1.730 | 1.730 | 1.710 | 1.650 | 1.620 | 1.670 | 1.750 | 1.710 |
| 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** | **6.0** | **5.9** | **6.0** | **5.6** | **5.8** | **5.8** | **5.7** | **5.5** | **5.4** | **5.6** | **5.8** | **5.7** |

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

## Drill/Exercise Performance

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 38.0 | 8.0 | 6.0 | 30.0 | 27.0 | 20.0 | 10.0 | 70.0 |
| Total opportunities | 40.0 | 8.0 | 6.0 | 32.0 | 27.0 | 21.0 | 10.0 | 72.0 |
| | | | | | | | | |
| **Indicator value** | **96.4%** | **96.4%** | **96.5%** | **95.3%** | **95.8%** | **96.6%** | **96.5%** | **96.8%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspections, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 136.0 | 138.0 | 134.0 | 141.0 | 145.0 | 150.0 | 150.0 | 149.0 |
| Total Key personnel | 136.0 | 138.0 | 134.0 | 143.0 | 145.0 | 150.0 | 150.0 | 149.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **98.6%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

1Q/11: During NRC EP Inspectin, 10/31/11, did not have supporting doucmentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

# 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/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

1Q/11: Plant Hatch does not use sirens as an emergency notification system.

4Q/10: Plant Hatch does not use sirens as an emergency notificaton system.

3Q/10: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

## RETS/ODCM Radiological Effluent

**Thresholds: White > 1.0 Yellow > 3.0**

### Notes

| RETS/ODCM Radiological Effluent | 3Q/10 | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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# Hatch 2

## 3Q/2012 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0.9** | **0.9** | **0.8** | **0.8** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0** | **0.9** | **1.8** | **1.9** | **1.8** | **0.8** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **0** | **0** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

## 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/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.07E-07 | 2.22E-07 | 1.75E-07 | 1.61E-07 | 1.60E-07 | 1.69E-07 | 2.17E-07 | 2.03E-07 |
| URI (ΔCDF) | 1.35E-07 | 1.30E-07 | 1.44E-07 | -5.97E-08 | -6.34E-08 | -4.61E-08 | -3.43E-08 | -3.94E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.40E-07** | **3.50E-07** | **3.20E-07** | **1.00E-07** | **9.60E-08** | **1.20E-07** | **1.80E-07** | **1.60E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.46E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | 9.27E-08 | -3.61E-08 | -3.51E-08 | -3.37E-08 | -3.49E-08 | -3.46E-08 | -3.20E-08 | -3.33E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.80E-08** | **-5.80E-08** | **-5.70E-08** | **-5.60E-08** | **-5.70E-08** | **-5.70E-08** | **-5.40E-08** | **-5.60E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.01E-08 | 1.51E-08 | 1.61E-08 | 1.56E-08 | 1.60E-08 | 1.43E-08 | 1.27E-08 | 2.07E-08 |
| URI (ΔCDF) | -1.88E-08 | -1.57E-08 | -1.63E-08 | -1.53E-08 | -1.53E-08 | -1.52E-08 | -1.40E-08 | -1.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-8.70E-09** | **-6.30E-10** | **-2.30E-10** | **3.30E-10** | **7.10E-10** | **-9.00E-10** | **-1.30E-09** | **5.60E-09** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

## 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/10** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.86E-08 | 6.81E-08 | 7.23E-08 | 2.03E-08 | 2.13E-08 | 1.69E-08 | 1.45E-08 | 2.71E-08 |
| URI (ΔCDF) | 3.47E-08 | 4.73E-08 | 5.41E-08 | 6.51E-08 | 6.14E-08 | -1.16E-07 | -1.13E-07 | -1.16E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **9.30E-08** | **1.20E-07** | **1.30E-07** | **8.50E-08** | **8.30E-08** | **-9.90E-08** | **-9.90E-08** | **-8.90E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

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

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.40E-07 | 1.41E-07 | 7.78E-08 | 7.80E-08 | 5.26E-08 | 3.55E-08 | 5.68E-08 | 5.68E-08 |
| URI (ΔCDF) | 1.32E-07 | 1.37E-07 | 8.92E-08 | 9.28E-08 | 5.08E-09 | 9.56E-09 | 1.08E-08 | 1.41E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.70E-07** | **2.80E-07** | **1.70E-07** | **1.70E-07** | **5.80E-08** | **4.50E-08** | **6.80E-08** | **7.10E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

4Q/10: Changed PRA Parameter(s). All PRA inputs were revised to reflect the Rev 4 PRA model (effective September 14, 2010), updated EDG mission time per Rev. 6 changes to NEI-99-02. These changes were incorporated into MSPI Basis Document, effective 12/28/2010.

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000136 | 0.000128 | 0.000126 | 0.000121 | 0.000115 | 0.000111 | N/A | 0.000045 | 0.000054 | 0.000058 | 0.000060 | 0.000048 |
| 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** | **N/A** | **0** | **0** | **0** | **0** | **0** |

| **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 | 0.000038 | 0.000084 | 0.000048 | 0.000062 | 0.000064 | 0.000116 | 0.000063 | 0.000062 | 0.000062 | 0.000034 | 0.000046 | 0.000051 |
| 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** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/10** | **11/10** | **12/10** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.500 | 1.420 | 1.420 | 1.350 | 1.360 | 1.440 | N/A | 1.770 | 1.770 | 1.790 | 1.770 | 1.790 |
| 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** | **5.0** | **4.7** | **4.7** | **4.5** | **4.5** | **4.8** | **N/A** | **5.9** | **5.9** | **6.0** | **5.9** | **6.0** |
| **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 | 1.690 | 1.730 | 1.730 | 1.710 | 1.650 | 1.620 | 1.670 | 1.750 | 1.710 | 1.900 | 1.730 | 1.740 |
| 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** | **5.6** | **5.8** | **5.8** | **5.7** | **5.5** | **5.4** | **5.6** | **5.8** | **5.7** | **6.3** | **5.8** | **5.8** |

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 8.0 | 6.0 | 30.0 | 27.0 | 20.0 | 10.0 | 70.0 | 61.0 |
| Total opportunities | 8.0 | 6.0 | 32.0 | 27.0 | 21.0 | 10.0 | 72.0 | 65.0 |
| | | | | | | | | |
| **Indicator value** | **96.4%** | **96.5%** | **95.3%** | **95.8%** | **96.6%** | **96.5%** | **96.8%** | **96.3%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspections, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## Notes

| ERO Drill Participation | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 138.0 | 134.0 | 141.0 | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 |
| Total Key personnel | 138.0 | 134.0 | 143.0 | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **98.6%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

1Q/11: During NRC EP Inspectin, 10/31/11, did not have supporting doucmentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## 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/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

1Q/11: Plant Hatch does not use sirens as an emergency notification system.

4Q/10: Plant Hatch does not use sirens as an emergency notificaton system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 4Q/10 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: October 24, 2012*

# Hatch 2

## 4Q/2012 Performance Indicators

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 |
| Critical hours | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0.9** | **0.9** | **0.8** | **0.8** | **0** |

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2065.1 | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **1.8** | **1.9** | **1.8** | **0.8** | **0** | **0** |

Licensee Comments: none

## Unplanned Scrams with Complications

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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) | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **0** |

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

## 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 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.22E-07 | 1.75E-07 | 1.61E-07 | 1.60E-07 | 1.69E-07 | 2.17E-07 | 2.03E-07 | 1.70E-07 |
| URI (ΔCDF) | 1.30E-07 | 1.44E-07 | -5.97E-08 | -6.34E-08 | -4.61E-08 | -3.43E-08 | -3.94E-08 | -3.78E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.50E-07** | **3.20E-07** | **1.00E-07** | **9.60E-08** | **1.20E-07** | **1.80E-07** | **1.60E-07** | **1.30E-07** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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** | **1Q/11** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | -3.61E-08 | -3.51E-08 | -3.37E-08 | -3.49E-08 | -3.46E-08 | -3.20E-08 | -3.33E-08 | -3.34E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.80E-08** | **-5.70E-08** | **-5.60E-08** | **-5.70E-08** | **-5.70E-08** | **-5.40E-08** | **-5.60E-08** | **-5.60E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.51E-08 | 1.61E-08 | 1.56E-08 | 1.60E-08 | 1.43E-08 | 1.27E-08 | 2.07E-08 | 2.07E-08 |
| URI (ΔCDF) | -1.57E-08 | -1.63E-08 | -1.53E-08 | -1.53E-08 | -1.52E-08 | -1.40E-08 | -1.51E-08 | -1.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.30E-10** | **-2.30E-10** | **3.30E-10** | **7.10E-10** | **-9.00E-10** | **-1.30E-09** | **5.60E-09** | **5.60E-09** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.81E-08 | 7.23E-08 | 2.03E-08 | 2.13E-08 | 1.69E-08 | 1.45E-08 | 2.71E-08 | 5.09E-08 |
| URI (ΔCDF) | 4.73E-08 | 5.41E-08 | 6.51E-08 | 6.14E-08 | -1.16E-07 | -1.13E-07 | -1.16E-07 | -1.18E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.20E-07** | **1.30E-07** | **8.50E-08** | **8.30E-08** | **-9.90E-08** | **-9.90E-08** | **-8.90E-08** | **-6.70E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## 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 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.41E-07 | 7.78E-08 | 7.80E-08 | 5.26E-08 | 3.55E-08 | 5.68E-08 | 5.68E-08 | 4.25E-08 |
| URI (ΔCDF) | 1.37E-07 | 8.92E-08 | 9.28E-08 | 5.08E-09 | 9.56E-09 | 1.08E-08 | 1.41E-08 | -7.70E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **2.80E-07** | **1.70E-07** | **1.70E-07** | **5.80E-08** | **4.50E-08** | **6.80E-08** | **7.10E-08** | **-3.50E-08** |

Licensee Comments:

1Q/11: Changed PRA Parameter(s). All PRA inputs were revised effective 4Q10 to reflect Rev 4 of the PRA model revised 3Q10. Version E of the Hatch MSPI Basis Document was approved on 12/28/2010.

## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000121 | 0.000115 | 0.000111 | N/A | 0.000045 | 0.000054 | 0.000058 | 0.000060 | 0.000048 | 0.000038 | 0.000084 | 0.000048 |
| 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** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

| **Reactor Coolant System Activity** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000062 | 0.000064 | 0.000116 | 0.000063 | 0.000062 | 0.000062 | 0.000034 | 0.000046 | 0.000051 | 0.000060 | 0.000046 | 0.000044 |
| 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** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

## Reactor Coolant System Leakage

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **1/11** | **2/11** | **3/11** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.350 | 1.360 | 1.440 | N/A | 1.770 | 1.770 | 1.790 | 1.770 | 1.790 | 1.690 | 1.730 | 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** | **4.5** | **4.5** | **4.8** | **N/A** | **5.9** | **5.9** | **6.0** | **5.9** | **6.0** | **5.6** | **5.8** | **5.8** |
| **Reactor Coolant System Leakage** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** |
| Maximum leakage | 1.710 | 1.650 | 1.620 | 1.670 | 1.750 | 1.710 | 1.900 | 1.730 | 1.740 | 1.580 | 1.690 | 1.560 |
| 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** | **5.5** | **5.4** | **5.6** | **5.8** | **5.7** | **6.3** | **5.8** | **5.8** | **5.3** | **5.6** | **5.2** |

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 6.0 | 30.0 | 27.0 | 20.0 | 10.0 | 70.0 | 61.0 | 14.0 |
| Total opportunities | 6.0 | 32.0 | 27.0 | 21.0 | 10.0 | 72.0 | 65.0 | 14.0 |
| | | | | | | | | |
| **Indicator value** | **96.5%** | **95.3%** | **95.8%** | **96.6%** | **96.5%** | **96.8%** | **96.3%** | **96.4%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

1Q/11: During NRC EP Inspections, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 134.0 | 141.0 | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 |
| Total Key personnel | 134.0 | 143.0 | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **98.6%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

1Q/11: During NRC EP Inspectin, 10/31/11, did not have supporting doucmentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

## 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 | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

1Q/11: Plant Hatch does not use sirens as an emergency notification system.

## Occupational Exposure Control Effectiveness

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/11 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

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

Licensee Comments: none

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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.

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# Hatch 2

## 1Q/2013 Performance Indicators

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0.9** | **0.9** | **0.8** | **0.8** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1324.7 | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **1.8** | **1.9** | **1.8** | **0.8** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **1** | **1** | **1** | **1** | **0** | **0** |

Licensee Comments:

4Q/11: LER 2011-001, Rev. 1

## 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/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.75E-07 | 1.61E-07 | 1.60E-07 | 1.69E-07 | 2.17E-07 | 2.03E-07 | 1.70E-07 | 1.77E-07 |
| URI (ΔCDF) | 1.44E-07 | -5.97E-08 | -6.34E-08 | -4.61E-08 | -3.43E-08 | -3.94E-08 | -3.78E-08 | -4.10E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.20E-07** | **1.00E-07** | **9.60E-08** | **1.20E-07** | **1.80E-07** | **1.60E-07** | **1.30E-07** | **1.40E-07** |

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/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | -3.51E-08 | -3.37E-08 | -3.49E-08 | -3.46E-08 | -3.20E-08 | -3.33E-08 | -3.34E-08 | -3.65E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.70E-08** | **-5.60E-08** | **-5.70E-08** | **-5.70E-08** | **-5.40E-08** | **-5.60E-08** | **-5.60E-08** | **-5.90E-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** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.61E-08 | 1.56E-08 | 1.60E-08 | 1.43E-08 | 1.27E-08 | 2.07E-08 | 2.07E-08 | 2.20E-08 |
| URI (ΔCDF) | -1.63E-08 | -1.53E-08 | -1.53E-08 | -1.52E-08 | -1.40E-08 | -1.51E-08 | -1.51E-08 | -1.57E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.30E-10** | **3.30E-10** | **7.10E-10** | **-9.00E-10** | **-1.30E-09** | **5.60E-09** | **5.60E-09** | **6.30E-09** |

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/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 7.23E-08 | 2.03E-08 | 2.13E-08 | 1.69E-08 | 1.45E-08 | 2.71E-08 | 5.09E-08 | 5.62E-08 |
| URI (ΔCDF) | 5.41E-08 | 6.51E-08 | 6.14E-08 | -1.16E-07 | -1.13E-07 | -1.16E-07 | -1.18E-07 | -1.23E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.30E-07** | **8.50E-08** | **8.30E-08** | **-9.90E-08** | **-9.90E-08** | **-8.90E-08** | **-6.70E-08** | **-6.70E-08** |

Licensee Comments: none

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

## Notes

| **Mitigating Systems Performance Index, Cooling Water Systems** | **2Q/11** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 7.78E-08 | 7.80E-08 | 5.26E-08 | 3.55E-08 | 5.68E-08 | 5.68E-08 | 4.25E-08 | 3.93E-08 |
| URI (ΔCDF) | 8.92E-08 | 9.28E-08 | 5.08E-09 | 9.56E-09 | 1.08E-08 | 1.41E-08 | -7.70E-08 | -8.11E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.70E-07** | **1.70E-07** | **5.80E-08** | **4.50E-08** | **6.80E-08** | **7.10E-08** | **-3.50E-08** | **-4.20E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | N/A | 0.000045 | 0.000054 | 0.000058 | 0.000060 | 0.000048 | 0.000038 | 0.000084 | 0.000048 | 0.000062 | 0.000064 | 0.000116 |
| 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** | **0.1** |

| **Reactor Coolant System Activity** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000063 | 0.000062 | 0.000062 | 0.000034 | 0.000046 | 0.000051 | 0.000060 | 0.000046 | 0.000044 | 0.000036 | 0.000039 | 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** |

Licensee Comments:

6/11: Unit 2 was in a refueling outage the month of April.

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **4/11** | **5/11** | **6/11** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | N/A | 1.770 | 1.770 | 1.790 | 1.770 | 1.790 | 1.690 | 1.730 | 1.730 | 1.710 | 1.650 | 1.620 |
| 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** | **N/A** | **5.9** | **5.9** | **6.0** | **5.9** | **6.0** | **5.6** | **5.8** | **5.8** | **5.7** | **5.5** | **5.4** |

| **Reactor Coolant System Leakage** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.670 | 1.750 | 1.710 | 1.900 | 1.730 | 1.740 | 1.580 | 1.690 | 1.560 | 1.630 | 1.620 | 2.070 |
| 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** | **5.6** | **5.8** | **5.7** | **6.3** | **5.8** | **5.8** | **5.3** | **5.6** | **5.2** | **5.4** | **5.4** | **6.9** |

Licensee Comments:

6/11: Unit 2 was in a Refueling Outage during the month of April

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 30.0 | 27.0 | 20.0 | 10.0 | 70.0 | 61.0 | 14.0 | 40.0 |
| Total opportunities | 32.0 | 27.0 | 21.0 | 10.0 | 72.0 | 65.0 | 14.0 | 40.0 |
| | | | | | | | | |
| **Indicator value** | **95.3%** | **95.8%** | **96.6%** | **96.5%** | **96.8%** | **96.3%** | **96.4%** | **96.8%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 141.0 | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 |
| Total Key personnel | 143.0 | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 |
| | | | | | | | | |
| **Indicator value** | **98.6%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

2Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and Opportunities.

## 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 | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

2Q/11: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/11 | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/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

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: April 23, 2013*

# Hatch 2

## 2Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **0.8** | **0.8** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 2208.0 | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **1.8** | **1.9** | **1.8** | **0.8** | **0** | **0** | **0** | **0.9** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** | **0** | **0** | **1** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

4Q/11: LER 2011-001, Rev. 1

## 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/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.61E-07 | 1.60E-07 | 1.69E-07 | 2.17E-07 | 2.03E-07 | 1.70E-07 | 1.77E-07 | 1.20E-07 |
| URI (ΔCDF) | -5.97E-08 | -6.34E-08 | -4.61E-08 | -3.43E-08 | -3.94E-08 | -3.78E-08 | -4.10E-08 | -4.71E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.00E-07** | **9.60E-08** | **1.20E-07** | **1.80E-07** | **1.60E-07** | **1.30E-07** | **1.40E-07** | **7.30E-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** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | -3.37E-08 | -3.49E-08 | -3.46E-08 | -3.20E-08 | -3.33E-08 | -3.34E-08 | -3.65E-08 | -3.65E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.60E-08** | **-5.70E-08** | **-5.70E-08** | **-5.40E-08** | **-5.60E-08** | **-5.60E-08** | **-5.90E-08** | **-5.90E-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/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.56E-08 | 1.60E-08 | 1.43E-08 | 1.27E-08 | 2.07E-08 | 2.07E-08 | 2.20E-08 | 2.15E-08 |
| URI (ΔCDF) | -1.53E-08 | -1.53E-08 | -1.52E-08 | -1.40E-08 | -1.51E-08 | -1.51E-08 | -1.57E-08 | -1.57E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **3.30E-10** | **7.10E-10** | **-9.00E-10** | **-1.30E-09** | **5.60E-09** | **5.60E-09** | **6.30E-09** | **5.70E-09** |

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/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.03E-08 | 2.13E-08 | 1.69E-08 | 1.45E-08 | 2.71E-08 | 5.09E-08 | 5.62E-08 | 7.84E-08 |
| URI (ΔCDF) | 6.51E-08 | 6.14E-08 | -1.16E-07 | -1.13E-07 | -1.16E-07 | -1.18E-07 | -1.23E-07 | -1.21E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **8.50E-08** | **8.30E-08** | **-9.90E-08** | **-9.90E-08** | **-8.90E-08** | **-6.70E-08** | **-6.70E-08** | **-4.30E-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** | **3Q/11** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 7.80E-08 | 5.26E-08 | 3.55E-08 | 5.68E-08 | 5.68E-08 | 4.25E-08 | 3.93E-08 | 4.49E-08 |
| URI (ΔCDF) | 9.28E-08 | 5.08E-09 | 9.56E-09 | 1.08E-08 | 1.41E-08 | -7.70E-08 | -8.11E-08 | -8.09E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.70E-07** | **5.80E-08** | **4.50E-08** | **6.80E-08** | **7.10E-08** | **-3.50E-08** | **-4.20E-08** | **-3.60E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000058 | 0.000060 | 0.000048 | 0.000038 | 0.000084 | 0.000048 | 0.000062 | 0.000064 | 0.000116 | 0.000063 | 0.000062 | 0.000062 |
| 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** | **0.1** | **0** | **0** | **0** |
| **Reactor Coolant System Activity** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** |
| Maximum activity | 0.000034 | 0.000046 | 0.000051 | 0.000060 | 0.000046 | 0.000044 | 0.000036 | 0.000039 | 0.000009 | 0.000013 | 0.000014 | 0.000015 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/11** | **8/11** | **9/11** | **10/11** | **11/11** | **12/11** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.790 | 1.770 | 1.790 | 1.690 | 1.730 | 1.730 | 1.710 | 1.650 | 1.620 | 1.670 | 1.750 | 1.710 |
| 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** | **6.0** | **5.9** | **6.0** | **5.6** | **5.8** | **5.8** | **5.7** | **5.5** | **5.4** | **5.6** | **5.8** | **5.7** |
| **Reactor Coolant System Leakage** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** |
| Maximum leakage | 1.900 | 1.730 | 1.740 | 1.580 | 1.690 | 1.560 | 1.630 | 1.620 | 2.070 | 1.980 | 1.740 | 1.630 |
| 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** | **6.3** | **5.8** | **5.8** | **5.3** | **5.6** | **5.2** | **5.4** | **5.4** | **6.9** | **6.6** | **5.8** | **5.4** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 27.0 | 20.0 | 10.0 | 70.0 | 61.0 | 14.0 | 40.0 | 51.0 |
| Total opportunities | 27.0 | 21.0 | 10.0 | 72.0 | 65.0 | 14.0 | 40.0 | 54.0 |
| | | | | | | | | |
| **Indicator value** | **95.8%** | **96.6%** | **96.5%** | **96.8%** | **96.3%** | **96.4%** | **96.8%** | **96.7%** |

Licensee Comments:

3Q/11: During NRC EP Inspection, 10/31/11, did not have supporting documentation for drill DEP Opportunity, had to remove ERO participation credit for individuals involved and opportunities.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 |
| Total Key personnel | 145.0 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **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/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

3Q/11: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/11 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/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

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: August 19, 2013*

# Hatch 2

## 3Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

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 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **0.8** | **0.8** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**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 | 0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 1954.3 | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 |
| | | | | | | | | |
| **Indicator value** | **1.9** | **1.8** | **0.8** | **0** | **0** | **0** | **0.9** | **0.9** |

Licensee Comments: none

**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 |
| | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** | **0.0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** | **0** | **1** | **1** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

4Q/11: LER 2011-001, Rev. 1

## 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) | 1.60E-07 | 1.69E-07 | 2.17E-07 | 2.03E-07 | 1.70E-07 | 1.77E-07 | 1.20E-07 | 8.92E-08 |
| URI (ΔCDF) | -6.34E-08 | -4.61E-08 | -3.43E-08 | -3.94E-08 | -3.78E-08 | -4.10E-08 | -4.71E-08 | -3.26E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **9.60E-08** | **1.20E-07** | **1.80E-07** | **1.60E-07** | **1.30E-07** | **1.40E-07** | **7.30E-08** | **5.70E-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/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | -3.49E-08 | -3.46E-08 | -3.20E-08 | -3.33E-08 | -3.34E-08 | -3.65E-08 | -3.65E-08 | -3.65E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.70E-08** | **-5.70E-08** | **-5.40E-08** | **-5.60E-08** | **-5.60E-08** | **-5.90E-08** | **-5.90E-08** | **-5.90E-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** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.60E-08 | 1.43E-08 | 1.27E-08 | 2.07E-08 | 2.07E-08 | 2.20E-08 | 2.15E-08 | 6.90E-09 |
| URI (ΔCDF) | -1.53E-08 | -1.52E-08 | -1.40E-08 | -1.51E-08 | -1.51E-08 | -1.57E-08 | -1.57E-08 | -1.46E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.10E-10** | **-9.00E-10** | **-1.30E-09** | **5.60E-09** | **5.60E-09** | **6.30E-09** | **5.70E-09** | **-7.70E-09** |

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/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.13E-08 | 1.69E-08 | 1.45E-08 | 2.71E-08 | 5.09E-08 | 5.62E-08 | 7.84E-08 | 2.59E-08 |
| URI (ΔCDF) | 6.14E-08 | -1.16E-07 | -1.13E-07 | -1.16E-07 | -1.18E-07 | -1.23E-07 | -1.21E-07 | -1.21E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **8.30E-08** | **-9.90E-08** | **-9.90E-08** | **-8.90E-08** | **-6.70E-08** | **-6.70E-08** | **-4.30E-08** | **-9.50E-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** | **4Q/11** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.26E-08 | 3.55E-08 | 5.68E-08 | 5.68E-08 | 4.25E-08 | 3.93E-08 | 4.49E-08 | 4.48E-08 |
| URI (ΔCDF) | 5.08E-09 | 9.56E-09 | 1.08E-08 | 1.41E-08 | -7.70E-08 | -8.11E-08 | -8.09E-08 | -8.23E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.80E-08** | **4.50E-08** | **6.80E-08** | **7.10E-08** | **-3.50E-08** | **-4.20E-08** | **-3.60E-08** | **-3.70E-08** |

Licensee Comments: none

**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 | 0.000038 | 0.000084 | 0.000048 | 0.000062 | 0.000064 | 0.000116 | 0.000063 | 0.000062 | 0.000062 | 0.000034 | 0.000046 | 0.000051 |
| 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** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** |
| **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 | 0.000060 | 0.000046 | 0.000044 | 0.000036 | 0.000039 | 0.000009 | 0.000013 | 0.000014 | 0.000015 | 0.000021 | 0.000038 | 0.000024 |
| 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

**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 | 1.690 | 1.730 | 1.730 | 1.710 | 1.650 | 1.620 | 1.670 | 1.750 | 1.710 | 1.900 | 1.730 | 1.740 |
| 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** | **5.6** | **5.8** | **5.8** | **5.7** | **5.5** | **5.4** | **5.6** | **5.8** | **5.7** | **6.3** | **5.8** | **5.8** |
| **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 | 1.580 | 1.690 | 1.560 | 1.630 | 1.620 | 2.070 | 1.980 | 1.740 | 1.630 | 1.590 | 1.540 | 1.710 |
| 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** | **5.3** | **5.6** | **5.2** | **5.4** | **5.4** | **6.9** | **6.6** | **5.8** | **5.4** | **5.3** | **5.1** | **5.7** |

Licensee Comments: none

**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 | 20.0 | 10.0 | 70.0 | 61.0 | 14.0 | 40.0 | 51.0 | 42.0 |
| Total opportunities | 21.0 | 10.0 | 72.0 | 65.0 | 14.0 | 40.0 | 54.0 | 42.0 |
| | | | | | | | | |
| **Indicator value** | **96.6%** | **96.5%** | **96.8%** | **96.3%** | **96.4%** | **96.8%** | **96.7%** | **96.9%** |

Licensee Comments: none

**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 | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 |
| Total Key personnel | 150.0 | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **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 | 4Q/11 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

4Q/11: Plant Hatch does not use sirens as an emergency notification system.

**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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**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

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: October 22, 2013*

# Hatch 2

## 4Q/2013 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.8** | **0.8** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 0 | 1.0 | 0 | 1.0 |
| Critical hours | 2183.0 | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **1.8** | **0.8** | **0** | **0** | **0** | **0.9** | **0.9** | **1.8** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **0** | **0** | **1** | **1** | **1** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

## 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** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.69E-07 | 2.17E-07 | 2.03E-07 | 1.70E-07 | 1.77E-07 | 1.20E-07 | 8.92E-08 | 1.48E-07 |
| URI (ΔCDF) | -4.61E-08 | -3.43E-08 | -3.94E-08 | -3.78E-08 | -4.10E-08 | -4.71E-08 | -3.26E-08 | -3.39E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.20E-07** | **1.80E-07** | **1.60E-07** | **1.30E-07** | **1.40E-07** | **7.30E-08** | **5.70E-08** | **-1.90E-07** |

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** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 |
| URI (ΔCDF) | -3.46E-08 | -3.20E-08 | -3.33E-08 | -3.34E-08 | -3.65E-08 | -3.65E-08 | -3.65E-08 | -3.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.70E-08** | **-5.40E-08** | **-5.60E-08** | **-5.60E-08** | **-5.90E-08** | **-5.90E-08** | **-5.90E-08** | **-5.80E-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** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.43E-08 | 1.27E-08 | 2.07E-08 | 2.07E-08 | 2.20E-08 | 2.15E-08 | 6.90E-09 | -1.95E-09 |
| URI (ΔCDF) | -1.52E-08 | -1.40E-08 | -1.51E-08 | -1.51E-08 | -1.57E-08 | -1.57E-08 | -1.46E-08 | -1.51E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-9.00E-10** | **-1.30E-09** | **5.60E-09** | **5.60E-09** | **6.30E-09** | **5.70E-09** | **-7.70E-09** | **-1.70E-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** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.69E-08 | 1.45E-08 | 2.71E-08 | 5.09E-08 | 5.62E-08 | 7.84E-08 | 2.59E-08 | 2.59E-08 |
| URI (ΔCDF) | -1.16E-07 | -1.13E-07 | -1.16E-07 | -1.18E-07 | -1.23E-07 | -1.21E-07 | -1.21E-07 | -1.18E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-9.90E-08** | **-9.90E-08** | **-8.90E-08** | **-6.70E-08** | **-6.70E-08** | **-4.30E-08** | **-9.50E-08** | **-9.20E-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** | **1Q/12** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.55E-08 | 5.68E-08 | 5.68E-08 | 4.25E-08 | 3.93E-08 | 4.49E-08 | 4.48E-08 | 3.53E-08 |
| URI (ΔCDF) | 9.56E-09 | 1.08E-08 | 1.41E-08 | -7.70E-08 | -8.11E-08 | -8.09E-08 | -8.23E-08 | -8.19E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **4.50E-08** | **6.80E-08** | **7.10E-08** | **-3.50E-08** | **-4.20E-08** | **-3.60E-08** | **-3.70E-08** | **-4.70E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000062 | 0.000064 | 0.000116 | 0.000063 | 0.000062 | 0.000062 | 0.000034 | 0.000046 | 0.000051 | 0.000060 | 0.000046 | 0.000044 |
| 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** | **0.1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **Reactor Coolant System Activity** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** |
| Maximum activity | 0.000039 | 0.000043 | 0.000010 | 0.000014 | 0.000014 | 0.000016 | 0.000021 | 0.000038 | 0.000024 | 0.000023 | 0.000029 | 0.000023 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **1/12** | **2/12** | **3/12** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.710 | 1.650 | 1.620 | 1.670 | 1.750 | 1.710 | 1.900 | 1.730 | 1.740 | 1.580 | 1.690 | 1.560 |
| 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** | **5.5** | **5.4** | **5.6** | **5.8** | **5.7** | **6.3** | **5.8** | **5.8** | **5.3** | **5.6** | **5.2** |
| **Reactor Coolant System Leakage** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** |
| Maximum leakage | 1.630 | 1.620 | 2.070 | 1.980 | 1.740 | 1.630 | 1.590 | 1.540 | 1.710 | 1.700 | 1.650 | 1.640 |
| 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** | **5.4** | **5.4** | **6.9** | **6.6** | **5.8** | **5.4** | **5.3** | **5.1** | **5.7** | **5.7** | **5.5** | **5.5** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 10.0 | 70.0 | 61.0 | 14.0 | 40.0 | 51.0 | 42.0 | 47.0 |
| Total opportunities | 10.0 | 72.0 | 65.0 | 14.0 | 40.0 | 54.0 | 42.0 | 49.0 |
| | | | | | | | | |
| **Indicator value** | **96.5%** | **96.8%** | **96.3%** | **96.4%** | **96.8%** | **96.7%** | **96.9%** | **96.8%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 |
| Total Key personnel | 150.0 | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **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 | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

1Q/12: Plant Hatch does not use sirens as an emergency notifications system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/12 | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/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

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: January 22, 2014*

# Hatch 2

## 1Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 0 | 1.0 | 0 | 1.0 | 0 |
| Critical hours | 2063.2 | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0** | **0** | **0** | **0.9** | **0.9** | **1.8** | **1.6** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **0** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

## 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/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.17E-07 | 2.03E-07 | 1.70E-07 | 1.77E-07 | 1.20E-07 | 8.92E-08 | 1.48E-07 | 1.03E-07 |
| URI (ΔCDF) | -3.43E-08 | -3.94E-08 | -3.78E-08 | -4.10E-08 | -4.71E-08 | -3.26E-08 | -3.39E-07 | -2.92E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.80E-07** | **1.60E-07** | **1.30E-07** | **1.40E-07** | **7.30E-08** | **5.70E-08** | **-1.90E-07** | **-1.90E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.20E-08 | -3.33E-08 | -3.34E-08 | -3.65E-08 | -3.65E-08 | -3.65E-08 | -3.51E-08 | -1.21E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.40E-08** | **-5.60E-08** | **-5.60E-08** | **-5.90E-08** | **-5.90E-08** | **-5.90E-08** | **-5.80E-08** | **-2.00E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.27E-08 | 2.07E-08 | 2.07E-08 | 2.20E-08 | 2.15E-08 | 6.90E-09 | -1.95E-09 | -6.18E-09 |
| URI (ΔCDF) | -1.40E-08 | -1.51E-08 | -1.51E-08 | -1.57E-08 | -1.57E-08 | -1.46E-08 | -1.51E-08 | -1.82E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.30E-09** | **5.60E-09** | **5.60E-09** | **6.30E-09** | **5.70E-09** | **-7.70E-09** | **-1.70E-08** | **-2.40E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.45E-08 | 2.71E-08 | 5.09E-08 | 5.62E-08 | 7.84E-08 | 2.59E-08 | 2.59E-08 | -7.85E-09 |
| URI (ΔCDF) | -1.13E-07 | -1.16E-07 | -1.18E-07 | -1.23E-07 | -1.21E-07 | -1.21E-07 | -1.18E-07 | -7.85E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-9.90E-08** | **-8.90E-08** | **-6.70E-08** | **-6.70E-08** | **-4.30E-08** | **-9.50E-08** | **-9.20E-08** | **-8.60E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.68E-08 | 5.68E-08 | 4.25E-08 | 3.93E-08 | 4.49E-08 | 4.48E-08 | 3.53E-08 | 2.24E-08 |
| URI (ΔCDF) | 1.08E-08 | 1.41E-08 | -7.70E-08 | -8.11E-08 | -8.09E-08 | -8.23E-08 | -8.19E-08 | -7.85E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| **Indicator value** | **6.80E-08** | **7.10E-08** | **-3.50E-08** | **-4.20E-08** | **-3.60E-08** | **-3.70E-08** | **-4.70E-08** | **-5.60E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Reactor** | | | | | | | | | | | | |

| **Coolant System Activity** | **4/12** | **5/12** | **6/12** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000063 | 0.000062 | 0.000062 | 0.000034 | 0.000046 | 0.000051 | 0.000060 | 0.000046 | 0.000044 | 0.000039 | 0.000043 | 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** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** |
| Maximum activity | 0.000014 | 0.000014 | 0.000016 | 0.000021 | 0.000038 | 0.000024 | 0.000023 | 0.000029 | 0.000023 | 0.000033 | 0.000024 | 0.000020 |
| 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

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## Notes

| Reactor Coolant System Leakage | 4/12 | 5/12 | 6/12 | 7/12 | 8/12 | 9/12 | 10/12 | 11/12 | 12/12 | 1/13 | 2/13 | 3/13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.670 | 1.750 | 1.710 | 1.900 | 1.730 | 1.740 | 1.580 | 1.690 | 1.560 | 1.630 | 1.620 | 2.070 |
| 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** | **5.6** | **5.8** | **5.7** | **6.3** | **5.8** | **5.8** | **5.3** | **5.6** | **5.2** | **5.4** | **5.4** | **6.9** |
| **Reactor Coolant System Leakage** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** |
| Maximum leakage | 1.980 | 1.740 | 1.630 | 1.590 | 1.540 | 1.710 | 1.700 | 1.650 | 1.640 | 1.690 | 1.560 | 1.530 |
| 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** | **6.6** | **5.8** | **5.4** | **5.3** | **5.1** | **5.7** | **5.7** | **5.5** | **5.5** | **5.6** | **5.2** | **5.1** |

Licensee Comments: none

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## Drill/Exercise Performance

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 70.0 | 61.0 | 14.0 | 40.0 | 51.0 | 42.0 | 47.0 | 32.0 |
| Total opportunities | 72.0 | 65.0 | 14.0 | 40.0 | 54.0 | 42.0 | 49.0 | 32.0 |
| | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| **Indicator value** | **96.8%** | **96.3%** | **96.4%** | **96.8%** | **96.7%** | **96.9%** | **96.8%** | **97.0%** |

Licensee Comments: none

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**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| **ERO Drill Participation** | **2Q/12** | **3Q/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 | 111.0 |
| Total Key personnel | 149.0 | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 | 111.0 |
| | | | | | | | | |
| **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

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

### Notes

| Alert & Notification System | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | |
| Total sirens-tests | | | | | | | | |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

2Q/12: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/12 | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: April 23, 2014*

# Hatch 2

## 2Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0.9** | **0.9** | **1.8** | **1.6** | **0.8** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **0** | **0** | **1** | **1** | **1** | **1** | **0** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

## 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/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.03E-07 | 1.70E-07 | 1.77E-07 | 1.20E-07 | 8.92E-08 | 1.48E-07 | 1.03E-07 | 1.50E-07 |
| URI (ΔCDF) | -3.94E-08 | -3.78E-08 | -4.10E-08 | -4.71E-08 | -3.26E-08 | -3.39E-07 | -2.92E-07 | -2.95E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.60E-07** | **1.30E-07** | **1.40E-07** | **7.30E-08** | **5.70E-08** | **-1.90E-07** | **-1.90E-07** | **-1.40E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.33E-08 | -3.34E-08 | -3.65E-08 | -3.65E-08 | -3.65E-08 | -3.51E-08 | -1.21E-07 | -1.16E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.60E-08** | **-5.60E-08** | **-5.90E-08** | **-5.90E-08** | **-5.90E-08** | **-5.80E-08** | **-2.00E-07** | **-1.90E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.07E-08 | 2.07E-08 | 2.20E-08 | 2.15E-08 | 6.90E-09 | -1.95E-09 | -6.18E-09 | -6.20E-09 |
| URI (ΔCDF) | -1.51E-08 | -1.51E-08 | -1.57E-08 | -1.57E-08 | -1.46E-08 | -1.51E-08 | -1.82E-08 | -1.67E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.60E-09** | **5.60E-09** | **6.30E-09** | **5.70E-09** | **-7.70E-09** | **-1.70E-08** | **-2.40E-08** | **-2.30E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12** | **4Q/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.71E-08 | 5.09E-08 | 5.62E-08 | 7.84E-08 | 2.59E-08 | 2.59E-08 | -7.85E-09 | -9.00E-09 |
| URI (ΔCDF) | -1.16E-07 | -1.18E-07 | -1.23E-07 | -1.21E-07 | -1.21E-07 | -1.18E-07 | -7.85E-08 | -1.04E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-8.90E-08** | **-6.70E-08** | **-6.70E-08** | **-4.30E-08** | **-9.50E-08** | **-9.20E-08** | **-8.60E-08** | **-1.10E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.68E-08 | 4.25E-08 | 3.93E-08 | 4.49E-08 | 4.48E-08 | 3.53E-08 | 2.24E-08 | 2.10E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | 1.41E-08 | -7.70E-08 | -8.11E-08 | -8.09E-08 | -8.23E-08 | -8.19E-08 | -7.85E-08 | -7.86E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.10E-08** | **-3.50E-08** | **-4.20E-08** | **-3.60E-08** | **-3.70E-08** | **-4.70E-08** | **-5.60E-08** | **-5.80E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Notes

| **Reactor Coolant System Activity** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000034 | 0.000046 | 0.000051 | 0.000060 | 0.000046 | 0.000044 | 0.000039 | 0.000043 | 0.000010 | 0.000014 | 0.000014 | 0.000016 |
| 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** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000021 | 0.000038 | 0.000024 | 0.000023 | 0.000029 | 0.000023 | 0.000033 | 0.000024 | 0.000020 | 0.000027 | 0.000051 | 0.000061 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/12** | **8/12** | **9/12** | **10/12** | **11/12** | **12/12** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.900 | 1.730 | 1.740 | 1.580 | 1.690 | 1.560 | 1.630 | 1.620 | 2.070 | 1.980 | 1.740 | 1.630 |
| 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** | **6.3** | **5.8** | **5.8** | **5.3** | **5.6** | **5.2** | **5.4** | **5.4** | **6.9** | **6.6** | **5.8** | **5.4** |
| **Reactor Coolant System Leakage** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** |
| Maximum leakage | 1.590 | 1.540 | 1.710 | 1.700 | 1.650 | 1.640 | 1.690 | 1.560 | 1.530 | 1.510 | 1.510 | 1.460 |
| 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** | **5.3** | **5.1** | **5.7** | **5.7** | **5.5** | **5.5** | **5.6** | **5.2** | **5.1** | **5.0** | **5.0** | **4.9** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 61.0 | 14.0 | 40.0 | 51.0 | 38.0 | 48.0 | 32.0 | 64.0 |
| Total opportunities | 65.0 | 14.0 | 40.0 | 54.0 | 38.0 | 50.0 | 32.0 | 65.0 |
| | | | | | | | | |
| **Indicator value** | **96.3%** | **96.4%** | **96.8%** | **96.7%** | **96.8%** | **96.8%** | **97.0%** | **97.2%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 |
| Total Key personnel | 134.0 | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments: none

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | | 1040 |
| Total sirens-tests | | | | | | | | 1040 |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

3Q/12: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/12 | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: July 31, 2014*

# Hatch 2

## 3Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0.9** | **0.9** | **1.8** | **1.6** | **0.8** | **0.8** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **1** | **1** | **1** | **1** | **0** | **0** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

## 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/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.70E-07 | 1.77E-07 | 1.20E-07 | 8.92E-08 | 1.48E-07 | 1.03E-07 | 1.50E-07 | 9.22E-08 |
| URI (ΔCDF) | -3.78E-08 | -4.10E-08 | -4.71E-08 | -3.26E-08 | -3.39E-07 | -2.92E-07 | -2.95E-07 | -2.95E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.30E-07** | **1.40E-07** | **7.30E-08** | **5.70E-08** | **-1.90E-07** | **-1.90E-07** | **-1.40E-07** | **-2.00E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.34E-08 | -3.65E-08 | -3.65E-08 | -3.65E-08 | -3.51E-08 | -1.21E-07 | -1.16E-07 | -1.16E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.60E-08** | **-5.90E-08** | **-5.90E-08** | **-5.90E-08** | **-5.80E-08** | **-2.00E-07** | **-1.90E-07** | **-1.90E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.07E-08 | 2.20E-08 | 2.15E-08 | 6.90E-09 | -1.95E-09 | -6.18E-09 | -6.20E-09 | -6.20E-09 |
| URI (ΔCDF) | -1.51E-08 | -1.57E-08 | -1.57E-08 | -1.46E-08 | -1.51E-08 | -1.82E-08 | -1.67E-08 | -1.67E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.60E-09** | **6.30E-09** | **5.70E-09** | **-7.70E-09** | **-1.70E-08** | **-2.40E-08** | **-2.30E-08** | **-2.30E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.09E-08 | 5.62E-08 | 7.84E-08 | 2.59E-08 | 2.59E-08 | -7.85E-09 | -9.00E-09 | -9.00E-09 |
| URI (ΔCDF) | -1.18E-07 | -1.23E-07 | -1.21E-07 | -1.21E-07 | -1.18E-07 | -7.85E-08 | -1.04E-07 | -1.07E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.70E-08** | **-6.70E-08** | **-4.30E-08** | **-9.50E-08** | **-9.20E-08** | **-8.60E-08** | **-1.10E-07** | **-1.20E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.25E-08 | 3.93E-08 | 4.49E-08 | 4.48E-08 | 3.53E-08 | 2.24E-08 | 2.10E-08 | 6.12E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | -7.70E-08 | -8.11E-08 | -8.09E-08 | -8.23E-08 | -8.19E-08 | -7.85E-08 | -7.86E-08 | -8.23E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-3.50E-08** | **-4.20E-08** | **-3.60E-08** | **-3.70E-08** | **-4.70E-08** | **-5.60E-08** | **-5.80E-08** | **-2.10E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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 | 0.000060 | 0.000046 | 0.000044 | 0.000039 | 0.000043 | 0.000010 | 0.000014 | 0.000014 | 0.000016 | 0.000021 | 0.000038 | 0.000024 |
| 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** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000023 | 0.000029 | 0.000023 | 0.000033 | 0.000024 | 0.000020 | 0.000027 | 0.000051 | 0.000061 | 0.000030 | 0.000027 | 0.000027 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **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 | 1.580 | 1.690 | 1.560 | 1.630 | 1.620 | 2.070 | 1.980 | 1.740 | 1.630 | 1.590 | 1.540 | 1.710 |
| 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** | **5.3** | **5.6** | **5.2** | **5.4** | **5.4** | **6.9** | **6.6** | **5.8** | **5.4** | **5.3** | **5.1** | **5.7** |
| **Reactor Coolant System Leakage** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** |
| Maximum leakage | 1.700 | 1.650 | 1.640 | 1.690 | 1.560 | 1.530 | 1.510 | 1.510 | 1.460 | 1.470 | 1.450 | 1.430 |
| 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** | **5.5** | **5.5** | **5.6** | **5.2** | **5.1** | **5.0** | **5.0** | **4.9** | **4.9** | **4.8** | **4.8** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 14.0 | 40.0 | 51.0 | 38.0 | 48.0 | 32.0 | 64.0 | 78.0 |
| Total opportunities | 14.0 | 40.0 | 54.0 | 38.0 | 50.0 | 32.0 | 65.0 | 78.0 |
| | | | | | | | | |
| **Indicator value** | **96.4%** | **96.8%** | **96.7%** | **96.8%** | **96.8%** | **97.0%** | **97.2%** | **98.4%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 | 107.0 |
| Total Key personnel | 130.0 | 110.0 | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 | 107.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments: none

## Alert & Notification System

**Thresholds: White < 94.0% Yellow < 90.0%**

### Notes

| Alert & Notification System | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | | 1040 | 1117 |
| Total sirens-tests | | | | | | | 1040 | 1119 |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

4Q/12: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 4Q/12 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: November 3, 2014*

# Hatch 2

## 4Q/2014 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 |
| Critical hours | 1347.1 | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0.9** | **0.9** | **1.8** | **1.6** | **0.8** | **0.8** | **0.8** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** | **0** | **0** | **0** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

## 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** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.77E-07 | 1.20E-07 | 8.92E-08 | 1.48E-07 | 1.03E-07 | 1.50E-07 | 9.22E-08 | 9.47E-08 |
| URI (ΔCDF) | -4.10E-08 | -4.71E-08 | -3.26E-08 | -3.39E-07 | -2.92E-07 | -2.95E-07 | -2.95E-07 | -2.88E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **1.40E-07** | **7.30E-08** | **5.70E-08** | **-1.90E-07** | **-1.90E-07** | **-1.40E-07** | **-2.00E-07** | **-1.90E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -2.24E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.65E-08 | -3.65E-08 | -3.65E-08 | -3.51E-08 | -1.21E-07 | -1.16E-07 | -1.16E-07 | -1.21E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.90E-08** | **-5.90E-08** | **-5.90E-08** | **-5.80E-08** | **-2.00E-07** | **-1.90E-07** | **-1.90E-07** | **-2.00E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.20E-08 | 2.15E-08 | 6.90E-09 | -1.95E-09 | -6.18E-09 | -6.20E-09 | -6.20E-09 | -6.20E-09 |
| URI (ΔCDF) | -1.57E-08 | -1.57E-08 | -1.46E-08 | -1.51E-08 | -1.82E-08 | -1.67E-08 | -1.67E-08 | -1.74E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **6.30E-09** | **5.70E-09** | **-7.70E-09** | **-1.70E-08** | **-2.40E-08** | **-2.30E-08** | **-2.30E-08** | **-2.40E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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** | **1Q/13** | **2Q/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.62E-08 | 7.84E-08 | 2.59E-08 | 2.59E-08 | -7.85E-09 | -9.00E-09 | -9.00E-09 | -6.25E-09 |
| URI (ΔCDF) | -1.23E-07 | -1.21E-07 | -1.21E-07 | -1.18E-07 | -7.85E-08 | -1.04E-07 | -1.07E-07 | -1.06E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-6.70E-08** | **-4.30E-08** | **-9.50E-08** | **-9.20E-08** | **-8.60E-08** | **-1.10E-07** | **-1.20E-07** | **-1.10E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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 | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.93E-08 | 4.49E-08 | 4.48E-08 | 3.53E-08 | 2.24E-08 | 2.10E-08 | 6.12E-08 | 4.64E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | -8.11E-08 | -8.09E-08 | -8.23E-08 | -8.19E-08 | -7.85E-08 | -7.86E-08 | -8.23E-08 | -8.45E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-4.20E-08** | **-3.60E-08** | **-3.70E-08** | **-4.70E-08** | **-5.60E-08** | **-5.80E-08** | **-2.10E-08** | **-3.80E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Notes

| **Reactor Coolant System Activity** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000039 | 0.000043 | 0.000010 | 0.000014 | 0.000014 | 0.000016 | 0.000021 | 0.000038 | 0.000024 | 0.000023 | 0.000029 | 0.000023 |
| 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** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000033 | 0.000024 | 0.000020 | 0.000027 | 0.000051 | 0.000061 | 0.000030 | 0.000027 | 0.000027 | 0.000027 | 0.000019 | 0.000088 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **1/13** | **2/13** | **3/13** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.630 | 1.620 | 2.070 | 1.980 | 1.740 | 1.630 | 1.590 | 1.540 | 1.710 | 1.700 | 1.650 | 1.640 |
| 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** | **5.4** | **5.4** | **6.9** | **6.6** | **5.8** | **5.4** | **5.3** | **5.1** | **5.7** | **5.7** | **5.5** | **5.5** |
| **Reactor Coolant System Leakage** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** |
| Maximum leakage | 1.690 | 1.560 | 1.530 | 1.510 | 1.510 | 1.460 | 1.470 | 1.450 | 1.430 | 1.430 | 1.410 | 1.660 |
| 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** | **5.6** | **5.2** | **5.1** | **5.0** | **5.0** | **4.9** | **4.9** | **4.8** | **4.8** | **4.8** | **4.7** | **5.5** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 40.0 | 51.0 | 38.0 | 48.0 | 26.0 | 64.0 | 78.0 | 50.0 |
| Total opportunities | 40.0 | 54.0 | 38.0 | 50.0 | 26.0 | 65.0 | 78.0 | 50.0 |
| | | | | | | | | |
| **Indicator value** | **96.8%** | **96.7%** | **96.8%** | **96.8%** | **96.9%** | **97.2%** | **98.4%** | **98.5%** |

Licensee Comments:

1Q/14: These values have been revised do to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 110.0 | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 | 107.0 | 112.0 |
| Total Key personnel | 110.0 | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 | 107.0 | 112.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments: none

## Alert & Notification System

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | | 1040 | 1117 | 1120 |
| Total sirens-tests | | | | | | 1040 | 1119 | 1120 |
| | | | | | | | | |
| **Indicator value** | | | | | | | | |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

1Q/13: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Very high radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unintended exposure occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 1Q/13 | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: February 3, 2015*

# Hatch 2

## 1Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2184.0 | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **1.8** | **1.6** | **0.8** | **0.8** | **0.8** | **0.9** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| 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

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** | **0** | **0** | **0** |

Licensee Comments:

2Q/13: LER 2013-03: HPCI Declared Inoperable Due To Error In Connection Tubing To An Hydraulic Actuator.

## 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/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.20E-07 | 8.92E-08 | 1.48E-07 | 1.03E-07 | 1.50E-07 | 9.22E-08 | 9.47E-08 | 1.12E-07 |
| URI (ΔCDF) | -4.71E-08 | -3.26E-08 | -3.39E-07 | -2.92E-07 | -2.95E-07 | -2.95E-07 | -2.88E-07 | -5.42E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **7.30E-08** | **5.70E-08** | **-1.90E-07** | **-1.90E-07** | **-1.40E-07** | **-2.00E-07** | **-1.90E-07** | **5.80E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -2.24E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.65E-08 | -3.65E-08 | -3.51E-08 | -1.21E-07 | -1.16E-07 | -1.16E-07 | -1.21E-07 | -1.26E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.90E-08** | **-5.90E-08** | **-5.80E-08** | **-2.00E-07** | **-1.90E-07** | **-1.90E-07** | **-2.00E-07** | **-2.00E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13** | **3Q/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.15E-08 | 6.90E-09 | -1.95E-09 | -6.18E-09 | -6.20E-09 | -6.20E-09 | -6.20E-09 | -6.18E-09 |
| URI (ΔCDF) | -1.57E-08 | -1.46E-08 | -1.51E-08 | -1.82E-08 | -1.67E-08 | -1.67E-08 | -1.74E-08 | -1.77E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.70E-09** | **-7.70E-09** | **-1.70E-08** | **-2.40E-08** | **-2.30E-08** | **-2.30E-08** | **-2.40E-08** | **-2.40E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 7.84E-08 | 2.59E-08 | 2.59E-08 | -7.85E-09 | -9.00E-09 | -9.00E-09 | -6.25E-09 | -1.22E-09 |
| URI (ΔCDF) | -1.21E-07 | -1.21E-07 | -1.18E-07 | -7.85E-08 | -1.04E-07 | -1.07E-07 | -1.06E-07 | -1.14E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-4.30E-08** | **-9.50E-08** | **-9.20E-08** | **-8.60E-08** | **-1.10E-07** | **-1.20E-07** | **-1.10E-07** | **-1.20E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.49E-08 | 4.48E-08 | 3.53E-08 | 2.24E-08 | 2.10E-08 | 6.12E-08 | 4.64E-08 | 5.14E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | -8.09E-08 | -8.23E-08 | -8.19E-08 | -7.85E-08 | -7.86E-08 | -8.23E-08 | -8.45E-08 | -8.47E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-3.60E-08** | **-3.70E-08** | **-4.70E-08** | **-5.60E-08** | **-5.80E-08** | **-2.10E-08** | **-3.80E-08** | **-3.30E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Notes

| **Reactor Coolant System Activity** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000014 | 0.000014 | 0.000016 | 0.000021 | 0.000038 | 0.000024 | 0.000023 | 0.000029 | 0.000023 | 0.000033 | 0.000024 | 0.000020 |
| 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** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000027 | 0.000051 | 0.000061 | 0.000030 | 0.000027 | 0.000027 | 0.000027 | 0.000019 | 0.000088 | 0.000016 | 0.000020 | 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** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **4/13** | **5/13** | **6/13** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.980 | 1.740 | 1.630 | 1.590 | 1.540 | 1.710 | 1.700 | 1.650 | 1.640 | 1.690 | 1.560 | 1.530 |
| 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** | **6.6** | **5.8** | **5.4** | **5.3** | **5.1** | **5.7** | **5.7** | **5.5** | **5.5** | **5.6** | **5.2** | **5.1** |
| **Reactor Coolant System Leakage** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** |
| Maximum leakage | 1.510 | 1.510 | 1.460 | 1.470 | 1.450 | 1.430 | 1.430 | 1.410 | 1.660 | 1.660 | 1.600 | 1.690 |
| 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** | **5.0** | **5.0** | **4.9** | **4.9** | **4.8** | **4.8** | **4.8** | **4.7** | **5.5** | **5.5** | **5.3** | **5.6** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 51.0 | 38.0 | 48.0 | 26.0 | 64.0 | 78.0 | 50.0 | 26.0 |
| Total opportunities | 54.0 | 38.0 | 50.0 | 26.0 | 65.0 | 78.0 | 50.0 | 26.0 |
| | | | | | | | | |
| **Indicator value** | **96.7%** | **96.8%** | **96.8%** | **96.9%** | **97.2%** | **98.4%** | **98.5%** | **98.4%** |

Licensee Comments:

1Q/14: These values have been revised do to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 |
| Total Key personnel | 112.0 | 110.0 | 111.0 | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | | 1040 | 1117 | 1120 | 960 |
| Total sirens-tests | | | | | 1040 | 1119 | 1120 | 960 |
| | | | | | | | | |
| **Indicator value** | | | | | | | | **100.0%** |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

2Q/13: Plant Hatch does not use sirens as an emergency notifications system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/13 | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: April 23, 2015*

# Hatch 2

## 2Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2092.0 | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **1.8** | **1.6** | **0.8** | **0.8** | **0.8** | **0.9** | **0.9** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **1** | **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/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 8.92E-08 | 1.48E-07 | 1.03E-07 | 1.50E-07 | 9.22E-08 | 9.47E-08 | 1.12E-07 | 2.22E-08 |
| URI (ΔCDF) | -3.26E-08 | -3.39E-07 | -2.92E-07 | -2.95E-07 | -2.95E-07 | -2.88E-07 | -5.42E-08 | -5.38E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.70E-08** | **-1.90E-07** | **-1.90E-07** | **-1.40E-07** | **-2.00E-07** | **-1.90E-07** | **5.80E-08** | **-3.20E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -2.24E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.65E-08 | -3.51E-08 | -1.21E-07 | -1.16E-07 | -1.16E-07 | -1.21E-07 | -1.26E-07 | -1.26E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.90E-08** | **-5.80E-08** | **-2.00E-07** | **-1.90E-07** | **-1.90E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.90E-09 | -1.95E-09 | -6.18E-09 | -6.20E-09 | -6.20E-09 | -6.20E-09 | -6.18E-09 | -6.19E-09 |
| URI (ΔCDF) | -1.46E-08 | -1.51E-08 | -1.82E-08 | -1.67E-08 | -1.67E-08 | -1.74E-08 | -1.77E-08 | -1.77E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-7.70E-09** | **-1.70E-08** | **-2.40E-08** | **-2.30E-08** | **-2.30E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.59E-08 | 2.59E-08 | -7.85E-09 | -9.00E-09 | -9.00E-09 | -6.25E-09 | -1.22E-09 | -2.28E-09 |
| URI (ΔCDF) | -1.21E-07 | -1.18E-07 | -7.85E-08 | -1.04E-07 | -1.07E-07 | -1.06E-07 | -1.14E-07 | -1.15E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-9.50E-08** | **-9.20E-08** | **-8.60E-08** | **-1.10E-07** | **-1.20E-07** | **-1.10E-07** | **-1.20E-07** | **-1.20E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.48E-08 | 3.53E-08 | 2.24E-08 | 2.10E-08 | 6.12E-08 | 4.64E-08 | 5.14E-08 | 4.96E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | -8.23E-08 | -8.19E-08 | -7.85E-08 | -7.86E-08 | -8.23E-08 | -8.45E-08 | -8.47E-08 | -8.72E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-3.70E-08** | **-4.70E-08** | **-5.60E-08** | **-5.80E-08** | **-2.10E-08** | **-3.80E-08** | **-3.30E-08** | **-3.80E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000021 | 0.000038 | 0.000024 | 0.000023 | 0.000029 | 0.000023 | 0.000033 | 0.000024 | 0.000020 | 0.000027 | 0.000051 | 0.000061 |
| 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** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000030 | 0.000027 | 0.000027 | 0.000027 | 0.000019 | 0.000088 | 0.000016 | 0.000020 | 0.000010 | 0.000012 | 0.000013 | 0.000016 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/13** | **8/13** | **9/13** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.590 | 1.540 | 1.710 | 1.700 | 1.650 | 1.640 | 1.690 | 1.560 | 1.530 | 1.510 | 1.510 | 1.460 |
| 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** | **5.3** | **5.1** | **5.7** | **5.7** | **5.5** | **5.5** | **5.6** | **5.2** | **5.1** | **5.0** | **5.0** | **4.9** |
| **Reactor Coolant System Leakage** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** |
| Maximum leakage | 1.470 | 1.450 | 1.430 | 1.430 | 1.410 | 1.660 | 1.660 | 1.600 | 1.690 | 1.690 | 1.710 | 1.670 |
| 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** | **4.9** | **4.8** | **4.8** | **4.8** | **4.7** | **5.5** | **5.5** | **5.3** | **5.6** | **5.6** | **5.7** | **5.6** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 38.0 | 48.0 | 26.0 | 64.0 | 78.0 | 50.0 | 26.0 | 53.0 |
| Total opportunities | 38.0 | 50.0 | 26.0 | 65.0 | 78.0 | 50.0 | 26.0 | 55.0 |
| | | | | | | | | |
| **Indicator value** | **96.8%** | **96.8%** | **96.9%** | **97.2%** | **98.4%** | **98.5%** | **98.4%** | **98.7%** |

Licensee Comments:

1Q/14: These values have been revised do to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 110.0 | 111.0 | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 |
| Total Key personnel | 110.0 | 111.0 | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | | 1040 | 1117 | 1120 | 960 | 1039 |
| Total sirens-tests | | | | 1040 | 1119 | 1120 | 960 | 1040 |
| | | | | | | | | |
| **Indicator value** | | | | | | | **100.0%** | **99.9%** |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

3Q/13: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 0 | 1 | 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **1** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/13 | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: July 24, 2015*

# Hatch 2

## 3Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 |
| Critical hours | 2209.0 | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **1.8** | **1.6** | **0.8** | **0.8** | **0.8** | **0.9** | **0.9** | **1.7** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **1** | **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** | **4Q/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.48E-07 | 1.03E-07 | 1.50E-07 | 9.22E-08 | 9.47E-08 | 1.12E-07 | 2.22E-08 | 5.53E-09 |
| URI (ΔCDF) | -3.39E-07 | -2.92E-07 | -2.95E-07 | -2.95E-07 | -2.88E-07 | -5.42E-08 | -5.38E-08 | -5.05E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.90E-07** | **-1.90E-07** | **-1.40E-07** | **-2.00E-07** | **-1.90E-07** | **5.80E-08** | **-3.20E-08** | **-4.50E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.24E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -3.51E-08 | -1.21E-07 | -1.16E-07 | -1.16E-07 | -1.21E-07 | -1.26E-07 | -1.26E-07 | -1.26E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.80E-08** | **-2.00E-07** | **-1.90E-07** | **-1.90E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.95E-09 | -6.18E-09 | -6.20E-09 | -6.20E-09 | -6.20E-09 | -6.18E-09 | -6.19E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.51E-08 | -1.82E-08 | -1.67E-08 | -1.67E-08 | -1.74E-08 | -1.77E-08 | -1.77E-08 | -1.76E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.70E-08** | **-2.40E-08** | **-2.30E-08** | **-2.30E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI

Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.59E-08 | -7.85E-09 | -9.00E-09 | -9.00E-09 | -6.25E-09 | -1.22E-09 | -2.28E-09 | -6.82E-09 |
| URI (ΔCDF) | -1.18E-07 | -7.85E-08 | -1.04E-07 | -1.07E-07 | -1.06E-07 | -1.14E-07 | -1.15E-07 | -1.14E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-9.20E-08** | **-8.60E-08** | **-1.10E-07** | **-1.20E-07** | **-1.10E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.53E-08 | 2.24E-08 | 2.10E-08 | 6.12E-08 | 4.64E-08 | 5.14E-08 | 4.96E-08 | 4.96E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | -8.19E-08 | -7.85E-08 | -7.86E-08 | -8.23E-08 | -8.45E-08 | -8.47E-08 | -8.72E-08 | -8.90E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-4.70E-08** | **-5.60E-08** | **-5.80E-08** | **-2.10E-08** | **-3.80E-08** | **-3.30E-08** | **-3.80E-08** | **-3.90E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Notes

| **Reactor Coolant System Activity** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000023 | 0.000029 | 0.000023 | 0.000033 | 0.000024 | 0.000020 | 0.000027 | 0.000051 | 0.000061 | 0.000030 | 0.000027 | 0.000027 |
| 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** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000027 | 0.000019 | 0.000088 | 0.000016 | 0.000020 | 0.000010 | 0.000012 | 0.000013 | 0.000016 | 0.000016 | 0.000016 | 0.000013 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/13** | **11/13** | **12/13** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.700 | 1.650 | 1.640 | 1.690 | 1.560 | 1.530 | 1.510 | 1.510 | 1.460 | 1.470 | 1.450 | 1.430 |
| 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** | **5.5** | **5.5** | **5.6** | **5.2** | **5.1** | **5.0** | **5.0** | **4.9** | **4.9** | **4.8** | **4.8** |
| **Reactor Coolant System Leakage** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** |
| Maximum leakage | 1.430 | 1.410 | 1.660 | 1.660 | 1.600 | 1.690 | 1.690 | 1.710 | 1.670 | 1.760 | 1.630 | 1.560 |
| 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** | **4.8** | **4.7** | **5.5** | **5.5** | **5.3** | **5.6** | **5.6** | **5.7** | **5.6** | **5.9** | **5.4** | **5.2** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 48.0 | 26.0 | 64.0 | 78.0 | 50.0 | 26.0 | 53.0 | 58.0 |
| Total opportunities | 50.0 | 26.0 | 65.0 | 78.0 | 50.0 | 26.0 | 55.0 | 58.0 |
| | | | | | | | | |
| **Indicator value** | **96.8%** | **96.9%** | **97.2%** | **98.4%** | **98.5%** | **98.4%** | **98.7%** | **98.8%** |

Licensee Comments:

1Q/14: These values have been revised do to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 111.0 | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 |
| Total Key personnel | 111.0 | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | | 1040 | 1117 | 1120 | 960 | 1039 | 1117 |
| Total sirens-tests | | | 1040 | 1119 | 1120 | 960 | 1040 | 1120 |
| | | | | | | | | |
| **Indicator value** | | | | | | **100.0%** | **99.9%** | **99.9%** |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

4Q/13: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 1 | 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **1** | **1** | **1** | **1** |

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 4Q/13 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: December 15, 2015*

# Hatch 2

## 4Q/2015 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 0 | 1.0 | 0 | 0 | 1.0 | 0 |
| Critical hours | 2159.0 | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **1.6** | **0.8** | **0.8** | **0.8** | **0.9** | **0.9** | **1.7** | **0.9** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **1** | **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** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.03E-07 | 1.50E-07 | 9.22E-08 | 9.47E-08 | 1.12E-07 | 2.22E-08 | 5.53E-09 | 6.75E-08 |
| URI (ΔCDF) | -2.92E-07 | -2.95E-07 | -2.95E-07 | -2.88E-07 | -5.42E-08 | -5.38E-08 | -5.05E-08 | -5.05E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.90E-07** | **-1.40E-07** | **-2.00E-07** | **-1.90E-07** | **5.80E-08** | **-3.20E-08** | **-4.50E-08** | **1.70E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

## 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** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.21E-07 | -1.16E-07 | -1.16E-07 | -1.21E-07 | -1.26E-07 | -1.26E-07 | -1.26E-07 | -1.12E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.00E-07** | **-1.90E-07** | **-1.90E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-1.90E-07** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every

monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Notes

| Mitigating Systems Performance Index, Heat Removal System | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.18E-09 | -6.20E-09 | -6.20E-09 | -6.20E-09 | -6.18E-09 | -6.19E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.82E-08 | -1.67E-08 | -1.67E-08 | -1.74E-08 | -1.77E-08 | -1.77E-08 | -1.76E-08 | -1.76E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.40E-08** | **-2.30E-08** | **-2.30E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model

documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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** | **1Q/14** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.85E-09 | -9.00E-09 | -9.00E-09 | -6.25E-09 | -1.22E-09 | -2.28E-09 | -6.82E-09 | -1.18E-08 |
| URI (ΔCDF) | -7.85E-08 | -1.04E-07 | -1.07E-07 | -1.06E-07 | -1.14E-07 | -1.15E-07 | -1.14E-07 | -1.14E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-8.60E-08** | **-1.10E-07** | **-1.20E-07** | **-1.10E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## 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 | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.24E-08 | 2.10E-08 | 6.12E-08 | 4.64E-08 | 5.14E-08 | 4.96E-08 | 4.96E-08 | 4.48E-08 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| URI (ΔCDF) | -7.85E-08 | -7.86E-08 | -8.23E-08 | -8.45E-08 | -8.47E-08 | -8.72E-08 | -8.90E-08 | -9.07E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.60E-08** | **-5.80E-08** | **-2.10E-08** | **-3.80E-08** | **-3.30E-08** | **-3.80E-08** | **-3.90E-08** | **-4.60E-08** |

Licensee Comments:

1Q/14: Changed PRA Parameter(s). The Hatch baseline PRA models were revised October 12, 2013 to revision 4.1 per calculations PRA-CN-H-13-003 and PRA-CN-H-13-002. In accordance with NEI 99-02, Revision 7, the Hatch MSPI basis document was revised to incorporate the following changes: - Success criteria for each MPSI Function was expanded to include details such as flow rates and response times as contained in the PRA model documentation success criteria. This did not change any CDE data, but clarifies what an MSPI failure is. - The Hatch MSPI base CDF numbers were revised. This affects all MSPI calculations. - Planned unavailability values (UABLP) were revised to match the planned maintenance numbers in the current PRA models. This updates the MSPI information to match the current maintenance philosophy. - Six circuit breakers and two valves were added to the MSPI scope on each unit, based on Birnbaum values. - The FVUAP and FVURC coefficients for every monitored component changed due to changes in the PRA model logic. - The tables containing the above coefficients in section 2.0 of the MSPI basis document were re-formatted to more closely match the CDE data input screen. - The MSPI margin for HPCI Failure to Start was reduced from five (5) to two (2). ? All MSPI functions still remain in green.. - Unit 2 component data was updated to use Unit 2 PRA model specific MSPI values. This revised all of the UAP and URPC values for Unit 2 components.

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## Reactor Coolant System Activity

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000033 | 0.000024 | 0.000020 | 0.000027 | 0.000051 | 0.000061 | 0.000030 | 0.000027 | 0.000027 | 0.000027 | 0.000019 | 0.000088 |
| 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** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** |
| Maximum activity | 0.000016 | 0.000020 | 0.000010 | 0.000012 | 0.000013 | 0.000016 | 0.000016 | 0.000016 | 0.000013 | 0.000013 | 0.000010 | 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **1/14** | **2/14** | **3/14** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.690 | 1.560 | 1.530 | 1.510 | 1.510 | 1.460 | 1.470 | 1.450 | 1.430 | 1.430 | 1.410 | 1.660 |
| 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** | **5.6** | **5.2** | **5.1** | **5.0** | **5.0** | **4.9** | **4.9** | **4.8** | **4.8** | **4.8** | **4.7** | **5.5** |
| **Reactor Coolant System Leakage** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** |
| Maximum leakage | 1.660 | 1.600 | 1.690 | 1.690 | 1.710 | 1.670 | 1.760 | 1.630 | 1.560 | 1.540 | 1.470 | 1.420 |
| 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** | **5.3** | **5.6** | **5.6** | **5.7** | **5.6** | **5.9** | **5.4** | **5.2** | **5.1** | **4.9** | **4.7** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 26.0 | 64.0 | 78.0 | 50.0 | 26.0 | 53.0 | 58.0 | 41.0 |
| Total opportunities | 26.0 | 65.0 | 78.0 | 50.0 | 26.0 | 55.0 | 58.0 | 42.0 |
| | | | | | | | | |
| **Indicator value** | **96.9%** | **97.2%** | **98.4%** | **98.5%** | **98.4%** | **98.7%** | **98.8%** | **99.0%** |

Licensee Comments:

1Q/14: These values have been revised do to a miscalculation of the original data. Previous values were 12 successful and 12 total. This change did not affect the color of the indicator.

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 | 106.0 |
| Total Key personnel | 110.0 | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 | 106.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | | 1040 | 1117 | 1120 | 960 | 1039 | 1117 | 1039 |
| Total sirens-tests | | 1040 | 1119 | 1120 | 960 | 1040 | 1120 | 1040 |
| | | | | | | | | |
| **Indicator value** | | | | | **100.0%** | **99.9%** | **99.9%** | **99.9%** |

Licensee Comments:

1Q/14: Plant Hatch does not use sirens as an emergency notification system.

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 1 | 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 |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **1** | **1** | **0** |

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 1Q/14 | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: March 1, 2016*

# Hatch 2

## 1Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

**Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0**

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 0 | 1.0 | 0 | 0 |
| Critical hours | 2184.0 | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.8** | **0.9** | **0.9** | **1.7** | **0.9** | **0.8** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| 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** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.50E-07 | 9.22E-08 | 9.47E-08 | 1.12E-07 | 2.22E-08 | 5.53E-09 | 6.75E-08 | 5.92E-08 |
| URI (ΔCDF) | -2.95E-07 | -2.95E-07 | -2.88E-07 | -5.42E-08 | -5.38E-08 | -5.05E-08 | -5.05E-08 | -5.92E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.40E-07** | **-2.00E-07** | **-1.90E-07** | **5.80E-08** | **-3.20E-08** | **-4.50E-08** | **1.70E-08** | **-7.40E-11** |

Licensee Comments:

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.16E-07 | -1.16E-07 | -1.21E-07 | -1.26E-07 | -1.26E-07 | -1.26E-07 | -1.12E-07 | -1.01E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.90E-07** | **-1.90E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-1.90E-07** | **-1.80E-07** |

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/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.20E-09 | -6.20E-09 | -6.20E-09 | -6.18E-09 | -6.19E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.67E-08 | -1.67E-08 | -1.74E-08 | -1.77E-08 | -1.77E-08 | -1.76E-08 | -1.76E-08 | -1.68E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.30E-08** | **-2.30E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-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** | **2Q/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -9.00E-09 | -9.00E-09 | -6.25E-09 | -1.22E-09 | -2.28E-09 | -6.82E-09 | -1.18E-08 | -1.18E-08 |
| URI (ΔCDF) | -1.04E-07 | -1.07E-07 | -1.06E-07 | -1.14E-07 | -1.15E-07 | -1.14E-07 | -1.14E-07 | -1.11E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.10E-07** | **-1.20E-07** | **-1.10E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.20E-07** |

Licensee Comments:

2Q/14: Changed PRA Parameter(s).

## 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/14** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.10E-08 | 6.12E-08 | 4.64E-08 | 5.14E-08 | 4.96E-08 | 4.96E-08 | 4.48E-08 | 3.91E-08 |
| URI (ΔCDF) | -7.86E-08 | -8.23E-08 | -8.45E-08 | -8.47E-08 | -8.72E-08 | -8.90E-08 | -9.07E-08 | -8.93E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-5.80E-08** | **-2.10E-08** | **-3.80E-08** | **-3.30E-08** | **-3.80E-08** | **-3.90E-08** | **-4.60E-08** | **-5.00E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000027 | 0.000051 | 0.000061 | 0.000030 | 0.000027 | 0.000027 | 0.000027 | 0.000019 | 0.000088 | 0.000016 | 0.000020 | 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** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** | **1/16** | **2/16** | **3/16** |
| Maximum activity | 0.000012 | 0.000013 | 0.000016 | 0.000016 | 0.000016 | 0.000013 | 0.000013 | 0.000010 | 0.000005 | 0.000010 | 0.000008 | 0.000007 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **4/14** | **5/14** | **6/14** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.510 | 1.510 | 1.460 | 1.470 | 1.450 | 1.430 | 1.430 | 1.410 | 1.660 | 1.660 | 1.600 | 1.690 |
| 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** | **5.0** | **5.0** | **4.9** | **4.9** | **4.8** | **4.8** | **4.8** | **4.7** | **5.5** | **5.5** | **5.3** | **5.6** |
| **Reactor Coolant System Leakage** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** | **1/16** | **2/16** | **3/16** |
| Maximum leakage | 1.690 | 1.710 | 1.670 | 1.760 | 1.630 | 1.560 | 1.540 | 1.470 | 1.420 | 1.380 | 1.370 | 1.400 |
| 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** | **5.6** | **5.7** | **5.6** | **5.9** | **5.4** | **5.2** | **5.1** | **4.9** | **4.7** | **4.6** | **4.6** | **4.7** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 64.0 | 78.0 | 50.0 | 26.0 | 53.0 | 58.0 | 41.0 | 22.0 |
| Total opportunities | 65.0 | 78.0 | 50.0 | 26.0 | 55.0 | 58.0 | 42.0 | 24.0 |
| | | | | | | | | |
| **Indicator value** | **97.2%** | **98.4%** | **98.5%** | **98.4%** | **98.7%** | **98.8%** | **99.0%** | **98.5%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 |
| Total Key personnel | 106.0 | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1040 | 1117 | 1120 | 960 | 1039 | 1117 | 1039 | 1038 |
| Total sirens-tests | 1040 | 1119 | 1120 | 960 | 1040 | 1120 | 1040 | 1040 |
| | | | | | | | | |
| **Indicator value** | | | | **100.0%** | **99.9%** | **99.9%** | **99.9%** | **99.8%** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 1 | 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 |
| **Indicator value** | **0** | **0** | **1** | **1** | **1** | **1** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 2Q/14 | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: April 23, 2016*

# Hatch 2

## 2Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 1.0 | 0 | 0 | 4.0 |
| Critical hours | 2208.0 | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.8** | **0.9** | **0.9** | **1.7** | **0.9** | **0.8** | **4.0** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** |

Licensee Comments:

2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## 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/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 9.22E-08 | 9.47E-08 | 1.12E-07 | 2.22E-08 | 5.53E-09 | 6.75E-08 | 5.92E-08 | 9.77E-08 |
| URI (ΔCDF) | -2.95E-07 | -2.88E-07 | -5.42E-08 | -5.38E-08 | -5.05E-08 | -5.05E-08 | -5.92E-08 | -4.61E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.00E-07** | **-1.90E-07** | **5.80E-08** | **-3.20E-08** | **-4.50E-08** | **1.70E-08** | **-7.40E-11** | **5.20E-08** |

Licensee Comments:

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.16E-07 | -1.21E-07 | -1.26E-07 | -1.26E-07 | -1.26E-07 | -1.12E-07 | -1.01E-07 | -1.01E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.90E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-1.90E-07** | **-1.80E-07** | **-1.80E-07** |

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/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.20E-09 | -6.20E-09 | -6.18E-09 | -6.19E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.67E-08 | -1.74E-08 | -1.77E-08 | -1.77E-08 | -1.76E-08 | -1.76E-08 | -1.68E-08 | -1.68E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.30E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-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/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -9.00E-09 | -6.25E-09 | -1.22E-09 | -2.28E-09 | -6.82E-09 | -1.18E-08 | -1.18E-08 | -1.18E-08 |
| URI (ΔCDF) | -1.07E-07 | -1.06E-07 | -1.14E-07 | -1.15E-07 | -1.14E-07 | -1.14E-07 | -1.11E-07 | -1.13E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.20E-07** | **-1.10E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.20E-07** | **-1.20E-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** | **3Q/14** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.12E-08 | 4.64E-08 | 5.14E-08 | 4.96E-08 | 4.96E-08 | 4.48E-08 | 3.91E-08 | 3.79E-08 |
| URI (ΔCDF) | -8.23E-08 | -8.45E-08 | -8.47E-08 | -8.72E-08 | -8.90E-08 | -9.07E-08 | -8.93E-08 | -9.11E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.10E-08** | **-3.80E-08** | **-3.30E-08** | **-3.80E-08** | **-3.90E-08** | **-4.60E-08** | **-5.00E-08** | **-5.30E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000030 | 0.000027 | 0.000027 | 0.000027 | 0.000019 | 0.000088 | 0.000016 | 0.000020 | 0.000010 | 0.000012 | 0.000013 | 0.000016 |
| 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** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** | **1/16** | **2/16** | **3/16** | **4/16** | **5/16** | **6/16** |
| Maximum activity | 0.000016 | 0.000016 | 0.000013 | 0.000013 | 0.000010 | 0.000005 | 0.000010 | 0.000008 | 0.000007 | 0.000012 | 0.000030 | 0.000017 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **7/14** | **8/14** | **9/14** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.470 | 1.450 | 1.430 | 1.430 | 1.410 | 1.660 | 1.660 | 1.600 | 1.690 | 1.690 | 1.710 | 1.670 |
| 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** | **4.9** | **4.8** | **4.8** | **4.8** | **4.7** | **5.5** | **5.5** | **5.3** | **5.6** | **5.6** | **5.7** | **5.6** |
| **Reactor Coolant System Leakage** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** | **1/16** | **2/16** | **3/16** | **4/16** | **5/16** | **6/16** |
| Maximum leakage | 1.760 | 1.630 | 1.560 | 1.540 | 1.470 | 1.420 | 1.380 | 1.370 | 1.400 | 1.330 | 1.720 | 1.700 |
| 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** | **5.9** | **5.4** | **5.2** | **5.1** | **4.9** | **4.7** | **4.6** | **4.6** | **4.7** | **4.4** | **5.7** | **5.7** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 78.0 | 50.0 | 26.0 | 53.0 | 58.0 | 41.0 | 22.0 | 55.0 |
| Total opportunities | 78.0 | 50.0 | 26.0 | 55.0 | 58.0 | 42.0 | 24.0 | 55.0 |
| | | | | | | | | |
| **Indicator value** | **98.4%** | **98.5%** | **98.4%** | **98.7%** | **98.8%** | **99.0%** | **98.5%** | **98.7%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 |
| Total Key personnel | 109.0 | 112.0 | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

3Q/14: Correction to the original data submitted in 3rd quarter 2014. This correction is due to the identification of members added to the ERO but not included in the participation data.

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1117 | 1120 | 960 | 1039 | 1117 | 1039 | 1038 | 1036 |
| Total sirens-tests | 1119 | 1120 | 960 | 1040 | 1120 | 1040 | 1040 | 1040 |
| | | | | | | | | |
| **Indicator value** | | | **100.0%** | **99.9%** | **99.9%** | **99.9%** | **99.8%** | **99.8%** |

Licensee Comments: none

**Thresholds: White > 2.0 Yellow > 5.0**

## Notes

| Occupational Exposure Control Effectiveness | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 1 | 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 |
| **Indicator value** | **0** | **1** | **1** | **1** | **1** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 1.0 Yellow > 3.0**

## Notes

| RETS/ODCM Radiological Effluent | 3Q/14 | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: July 25, 2016*

# Hatch 2

## 3Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 1.0 | 0 | 0 | 4.0 | 0 |
| Critical hours | 2209.0 | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 |
| | | | | | | | | |
| **Indicator value** | **0.8** | **0.9** | **0.9** | **1.7** | **0.9** | **0.8** | **4.0** | **3.2** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** |

Licensee Comments:

2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## 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/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 9.47E-08 | 1.12E-07 | 2.22E-08 | 5.53E-09 | 6.75E-08 | 5.92E-08 | 9.77E-08 | 1.25E-07 |
| URI (ΔCDF) | -2.88E-07 | -5.42E-08 | -5.38E-08 | -5.05E-08 | -5.05E-08 | -5.92E-08 | -4.61E-08 | 1.38E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.90E-07** | **5.80E-08** | **-3.20E-08** | **-4.50E-08** | **1.70E-08** | **-7.40E-11** | **5.20E-08** | **2.60E-07** |

Licensee Comments:

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.21E-07 | -1.26E-07 | -1.26E-07 | -1.26E-07 | -1.12E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-1.90E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** |

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** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.20E-09 | -6.18E-09 | -6.19E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.74E-08 | -1.77E-08 | -1.77E-08 | -1.76E-08 | -1.76E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.30E-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** | **4Q/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.25E-09 | -1.22E-09 | -2.28E-09 | -6.82E-09 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -1.18E-08 |
| URI (ΔCDF) | -1.06E-07 | -1.14E-07 | -1.15E-07 | -1.14E-07 | -1.14E-07 | -1.11E-07 | -1.13E-07 | -1.14E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.10E-07** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-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/14** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.64E-08 | 5.14E-08 | 4.96E-08 | 4.96E-08 | 4.48E-08 | 3.91E-08 | 3.79E-08 | 3.68E-09 |
| URI (ΔCDF) | -8.45E-08 | -8.47E-08 | -8.72E-08 | -8.90E-08 | -9.07E-08 | -8.93E-08 | -9.11E-08 | -8.85E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-3.80E-08** | **-3.30E-08** | **-3.80E-08** | **-3.90E-08** | **-4.60E-08** | **-5.00E-08** | **-5.30E-08** | **-8.50E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000027 | 0.000019 | 0.000088 | 0.000016 | 0.000020 | 0.000010 | 0.000012 | 0.000013 | 0.000016 | 0.000016 | 0.000016 | 0.000013 |
| 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** | **10/15** | **11/15** | **12/15** | **1/16** | **2/16** | **3/16** | **4/16** | **5/16** | **6/16** | **7/16** | **8/16** | **9/16** |
| Maximum activity | 0.000013 | 0.000010 | 0.000005 | 0.000010 | 0.000008 | 0.000007 | 0.000012 | 0.000030 | 0.000017 | 0.000017 | 0.000013 | 0.000017 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **10/14** | **11/14** | **12/14** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.430 | 1.410 | 1.660 | 1.660 | 1.600 | 1.690 | 1.690 | 1.710 | 1.670 | 1.760 | 1.630 | 1.560 |
| 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** | **4.8** | **4.7** | **5.5** | **5.5** | **5.3** | **5.6** | **5.6** | **5.7** | **5.6** | **5.9** | **5.4** | **5.2** |
| **Reactor Coolant System Leakage** | **10/15** | **11/15** | **12/15** | **1/16** | **2/16** | **3/16** | **4/16** | **5/16** | **6/16** | **7/16** | **8/16** | **9/16** |
| Maximum leakage | 1.540 | 1.470 | 1.420 | 1.380 | 1.370 | 1.400 | 1.330 | 1.720 | 1.700 | 1.950 | 1.640 | 1.600 |
| 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** | **5.1** | **4.9** | **4.7** | **4.6** | **4.6** | **4.7** | **4.4** | **5.7** | **5.7** | **6.5** | **5.5** | **5.3** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 50.0 | 26.0 | 53.0 | 58.0 | 41.0 | 22.0 | 55.0 | 53.0 |
| Total opportunities | 50.0 | 26.0 | 55.0 | 58.0 | 42.0 | 24.0 | 55.0 | 53.0 |
| | | | | | | | | |
| **Indicator value** | **98.5%** | **98.4%** | **98.7%** | **98.8%** | **99.0%** | **98.5%** | **98.7%** | **98.6%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 112.0 | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 |
| Total Key personnel | 112.0 | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** |

Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1120 | 960 | 1039 | 1117 | 1039 | 1038 | 1036 | 1032 |
| Total sirens-tests | 1120 | 960 | 1040 | 1120 | 1040 | 1040 | 1040 | 1040 |
| | | | | | | | | |
| **Indicator value** | | **100.0%** | **99.9%** | **99.9%** | **99.9%** | **99.8%** | **99.8%** | **99.6%** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 1 | 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 |
| **Indicator value** | **1** | **1** | **1** | **1** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 4Q/14 | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: October 23, 2016*

# Hatch 2

## 4Q/2016 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

**Thresholds: White > 6.0**

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 1.0 | 0 | 0 | 4.0 | 0 | 0 |
| Critical hours | 1424.6 | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 |
| | | | | | | | | |
| **Indicator value** | **0.9** | **0.9** | **1.7** | **0.9** | **0.8** | **4.0** | **3.2** | **3.2** |

Licensee Comments: none

**Thresholds: White > 1.0**

## Notes

| Unplanned Scrams with Complications | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| 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

**Thresholds: White > 6.0**

## Notes

| Safety System Functional Failures (BWR) | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **2** |

Licensee Comments:

4Q/16: LER 2-2016-003 "2C Emergency Diesel Generator Inoperable Due to Low Lube Oil Pressure"

2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## 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** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** | **4Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 1.12E-07 | 2.22E-08 | 5.53E-09 | 6.75E-08 | 5.92E-08 | 9.77E-08 | 1.25E-07 | 1.31E-07 |
| URI (ΔCDF) | -5.42E-08 | -5.38E-08 | -5.05E-08 | -5.05E-08 | -5.92E-08 | -4.61E-08 | 1.38E-07 | 1.43E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **5.80E-08** | **-3.20E-08** | **-4.50E-08** | **1.70E-08** | **-7.40E-11** | **5.20E-08** | **2.60E-07** | **2.70E-07** |

Licensee Comments:

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.

1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** | **4Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.26E-07 | -1.26E-07 | -1.26E-07 | -1.12E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.00E-07** | **-2.00E-07** | **-2.00E-07** | **-1.90E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** |

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** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** | **4Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.18E-09 | -6.19E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.77E-08 | -1.77E-08 | -1.76E-08 | -1.76E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.30E-08** | **-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** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** | **4Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.22E-09 | -2.28E-09 | -6.82E-09 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -9.71E-09 |
| URI (ΔCDF) | -1.14E-07 | -1.15E-07 | -1.14E-07 | -1.14E-07 | -1.11E-07 | -1.13E-07 | -1.14E-07 | -1.15E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-1.20E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.30E-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** | **1Q/15** | **2Q/15** | **3Q/15** | **4Q/15** | **1Q/16** | **2Q/16** | **3Q/16** | **4Q/16** |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.14E-08 | 4.96E-08 | 4.96E-08 | 4.48E-08 | 3.91E-08 | 3.79E-08 | 3.68E-09 | 3.64E-09 |
| URI (ΔCDF) | -8.47E-08 | -8.72E-08 | -8.90E-08 | -9.07E-08 | -8.93E-08 | -9.11E-08 | -8.85E-08 | -8.94E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| | | | | | | | | |
| **Indicator value** | **-3.30E-08** | **-3.80E-08** | **-3.90E-08** | **-4.60E-08** | **-5.00E-08** | **-5.30E-08** | **-8.50E-08** | **-8.60E-08** |

Licensee Comments: none

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Activity** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000016 | 0.000020 | 0.000010 | 0.000012 | 0.000013 | 0.000016 | 0.000016 | 0.000016 | 0.000013 | 0.000013 | 0.000010 | 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** |
| **Reactor Coolant System Activity** | **1/16** | **2/16** | **3/16** | **4/16** | **5/16** | **6/16** | **7/16** | **8/16** | **9/16** | **10/16** | **11/16** | **12/16** |
| Maximum activity | 0.000010 | 0.000008 | 0.000007 | 0.000012 | 0.000030 | 0.000017 | 0.000017 | 0.000013 | 0.000017 | 0.000018 | 0.000021 | 0.000018 |
| 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

**Thresholds: White > 50.0 Yellow > 100.0**

## Notes

| **Reactor Coolant System Leakage** | **1/15** | **2/15** | **3/15** | **4/15** | **5/15** | **6/15** | **7/15** | **8/15** | **9/15** | **10/15** | **11/15** | **12/15** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.660 | 1.600 | 1.690 | 1.690 | 1.710 | 1.670 | 1.760 | 1.630 | 1.560 | 1.540 | 1.470 | 1.420 |
| 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** | **5.3** | **5.6** | **5.6** | **5.7** | **5.6** | **5.9** | **5.4** | **5.2** | **5.1** | **4.9** | **4.7** |
| **Reactor Coolant System Leakage** | **1/16** | **2/16** | **3/16** | **4/16** | **5/16** | **6/16** | **7/16** | **8/16** | **9/16** | **10/16** | **11/16** | **12/16** |
| Maximum leakage | 1.380 | 1.370 | 1.400 | 1.330 | 1.720 | 1.700 | 1.950 | 1.640 | 1.600 | 1.570 | 1.540 | 1.520 |
| 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** | **4.6** | **4.6** | **4.7** | **4.4** | **5.7** | **5.7** | **6.5** | **5.5** | **5.3** | **5.2** | **5.1** | **5.1** |

Licensee Comments: none

**Thresholds: White < 90.0% Yellow < 70.0%**

## Notes

| Drill/Exercise Performance | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 26.0 | 53.0 | 58.0 | 41.0 | 22.0 | 55.0 | 53.0 | 36.0 |
| Total opportunities | 26.0 | 55.0 | 58.0 | 42.0 | 24.0 | 55.0 | 53.0 | 36.0 |
| | | | | | | | | |
| **Indicator value** | **98.4%** | **98.7%** | **98.8%** | **99.0%** | **98.5%** | **98.7%** | **98.6%** | **98.6%** |

Licensee Comments: none

**Thresholds: White < 80.0% Yellow < 60.0%**

## Notes

| ERO Drill Participation | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 | 95.0 |
| Total Key personnel | 109.0 | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 | 96.0 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.0%** |

Licensee Comments:

4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

**Thresholds: White < 94.0% Yellow < 90.0%**

## Notes

| Alert & Notification System | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 960 | 1039 | 1117 | 1039 | 1038 | 1036 | 1032 | 1117 |
| Total sirens-tests | 960 | 1040 | 1120 | 1040 | 1040 | 1040 | 1040 | 1120 |
| | | | | | | | | |
| **Indicator value** | **100.0%** | **99.9%** | **99.9%** | **99.9%** | **99.8%** | **99.8%** | **99.6%** | **99.6%** |

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **1** | **1** | **1** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 1Q/15 | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

Licensee Comments: none

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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.

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Action Matrix Summary | Inspection Findings Summary | PI Summary | Reactor Oversight Process

*Last Modified: January 24, 2017*

United States Nuclear Regulatory Commission
*Protecting People and the Environment*



# Hatch 2 – Quarterly Performance Indicators

## 1Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:


- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

## Unplanned Scrams per 7000 Critical Hrs

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

| Unplanned Scrams per 7000 Critical Hrs | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 1.0 | 0 | 0 | 4.0 | 0 | 0 | 0 |
| Critical hours | 2184.0 | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 |
| **Indicator value** | **0.9** | **1.7** | **0.9** | **0.8** | **4.0** | **3.2** | **3.2** | **3.4** |

TOP

Licensee Comments: none

## Unplanned Scrams with Complications

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **1** | **1** | **2** | **2** |

TOP

Licensee Comments:
4Q/16: LER 2-2016-003 "2C Emergency Diesel Generator Inoperable Due to Low Lube Oil Pressure"
2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## 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/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 2.22E-08 | 5.53E-09 | 6.75E-08 | 5.92E-08 | 9.77E-08 | 1.25E-07 | 1.31E-07 | 1.16E-07 |
| URI (ΔCDF) | -5.38E-08 | -5.05E-08 | -5.05E-08 | -5.92E-08 | -4.61E-08 | 1.38E-07 | 1.43E-07 | 1.13E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-3.20E-08** | **-4.50E-08** | **1.70E-08** | **-7.40E-11** | **5.20E-08** | **2.60E-07** | **2.70E-07** | **2.30E-07** |

TOP

Licensee Comments:
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.26E-07 | -1.26E-07 | -1.12E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.02E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-2.00E-07** | **-2.00E-07** | **-1.90E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** |

TOP

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/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.19E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.77E-08 | -1.76E-08 | -1.76E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.84E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.30E-08** | **-2.40E-08** | **-2.50E-08** |

TOP

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/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -2.28E-09 | -6.82E-09 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -9.71E-09 | -8.23E-09 |
| URI (ΔCDF) | -1.15E-07 | -1.14E-07 | -1.14E-07 | -1.11E-07 | -1.13E-07 | -1.14E-07 | -1.15E-07 | -1.20E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** |

TOP

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/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.96E-08 | 4.96E-08 | 4.48E-08 | 3.91E-08 | 3.79E-08 | 3.68E-09 | 3.64E-09 | 3.81E-09 |
| URI (ΔCDF) | -8.72E-08 | -8.90E-08 | -9.07E-08 | -8.93E-08 | -9.11E-08 | -8.85E-08 | -8.94E-08 | -8.90E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-3.80E-08** | **-3.90E-08** | **-4.60E-08** | **-5.00E-08** | **-5.30E-08** | **-8.50E-08** | **-8.60E-08** | **-8.50E-08** |

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Activity | 4/15 | 5/15 | 6/15 | 7/15 | 8/15 | 9/15 | 10/15 | 11/15 | 12/15 | 1/16 | 2/16 | 3/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000012 | 0.000013 | 0.000016 | 0.000016 | 0.000016 | 0.000013 | 0.000013 | 0.000010 | 0.000005 | 0.000010 | 0.000008 | 0.000007 |
| 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 | 4/16 | 5/16 | 6/16 | 7/16 | 8/16 | 9/16 | 10/16 | 11/16 | 12/16 | 1/17 | 2/17 | 3/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000012 | 0.000030 | 0.000017 | 0.000017 | 0.000013 | 0.000017 | 0.000018 | 0.000021 | 0.000018 | 0.000014 | N/A | 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** | **N/A** | **0** |

TOP

Licensee Comments: none

## Reactor Coolant System Leakage

Thresholds: White > 50.0 Yellow > 100.0

### Notes

| Reactor Coolant System Leakage | 4/15 | 5/15 | 6/15 | 7/15 | 8/15 | 9/15 | 10/15 | 11/15 | 12/15 | 1/16 | 2/16 | 3/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.690 | 1.710 | 1.670 | 1.760 | 1.630 | 1.560 | 1.540 | 1.470 | 1.420 | 1.380 | 1.370 | 1.400 |
| 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** | **5.6** | **5.7** | **5.6** | **5.9** | **5.4** | **5.2** | **5.1** | **4.9** | **4.7** | **4.6** | **4.6** | **4.7** |

| Reactor Coolant System Leakage | 4/16 | 5/16 | 6/16 | 7/16 | 8/16 | 9/16 | 10/16 | 11/16 | 12/16 | 1/17 | 2/17 | 3/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.330 | 1.720 | 1.700 | 1.950 | 1.640 | 1.600 | 1.570 | 1.540 | 1.520 | 1.610 | 1.620 | 1.690 |
| 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** | **4.4** | **5.7** | **5.7** | **6.5** | **5.5** | **5.3** | **5.2** | **5.1** | **5.1** | **5.4** | **5.4** | **5.6** |

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 53.0 | 58.0 | 41.0 | 22.0 | 55.0 | 53.0 | 36.0 | 14.0 |
| Total opportunities | 55.0 | 58.0 | 42.0 | 24.0 | 55.0 | 53.0 | 36.0 | 14.0 |
| **Indicator value** | **98.7%** | **98.8%** | **99.0%** | **98.5%** | **98.7%** | **98.6%** | **98.6%** | **98.5%** |

TOP

Licensee Comments: none

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 | 95.0 | 97.0 |
| Total Key personnel | 107.0 | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 | 96.0 | 97.0 |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.0%** | **100.0%** |

TOP

Licensee Comments:
4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

## Alert & Notification System

Thresholds: White < 94.0% Yellow < 90.0%

### Notes

| Alert & Notification System | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1039 | 1117 | 1039 | 1038 | 1036 | 1032 | 1117 | 1039 |
| Total sirens-tests | 1040 | 1120 | 1040 | 1040 | 1040 | 1040 | 1120 | 1040 |
| **Indicator value** | **99.9%** | **99.9%** | **99.9%** | **99.8%** | **99.8%** | **99.6%** | **99.6%** | **99.6%** |

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 2Q/15 | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

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.

*Current data as of: May 5, 2017*

*Page Last Reviewed/Updated Wednesday, June 07, 2017*

# Hatch 2 – Quarterly Performance Indicators

## 2Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:


- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 | 2184.0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 1.0 | 0 | 0 | 4.0 | 0 | 0 | 0 | 2.0 |
| Critical hours | 2208.0 | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 | 2184.0 |
| **Indicator value** | **1.7** | **0.9** | **0.8** | **4.0** | **3.2** | **3.2** | **3.4** | **1.7** |

TOP

Licensee Comments: none

## Unplanned Scrams with Complications

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 |
| **Indicator value** | **0** | **0** | **0** | **1** | **1** | **2** | **2** | **4** |

TOP

Licensee Comments:
2Q/17: LER's 1-2017-003, 2-2017-003, 1-2017-004
4Q/16: LER 2-2016-003 "2C Emergency Diesel Generator Inoperable Due to Low Lube Oil Pressure"
2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.53E-09 | 6.75E-08 | 5.92E-08 | 9.77E-08 | 1.25E-07 | 1.31E-07 | 1.16E-07 | 5.65E-08 |
| URI (ΔCDF) | -5.05E-08 | -5.05E-08 | -5.92E-08 | -4.61E-08 | 1.38E-07 | 1.43E-07 | 1.13E-07 | 1.40E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-4.50E-08** | **1.70E-08** | **-7.40E-11** | **5.20E-08** | **2.60E-07** | **2.70E-07** | **2.30E-07** | **2.00E-07** |

TOP

Licensee Comments:
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.26E-07 | -1.12E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.02E-07 | -1.02E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-2.00E-07** | **-1.90E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** |

TOP

Licensee Comments: none

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.76E-08 | -1.76E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.84E-08 | -1.84E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.30E-08** | **-2.40E-08** | **-2.50E-08** | **-2.50E-08** |

TOP

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/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.82E-09 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -9.71E-09 | -8.23E-09 | -8.23E-09 |
| URI (ΔCDF) | -1.14E-07 | -1.14E-07 | -1.11E-07 | -1.13E-07 | -1.14E-07 | -1.15E-07 | -1.20E-07 | -1.21E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-1.20E-07** | **-1.30E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** |

TOP

Licensee Comments: none

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.96E-08 | 4.48E-08 | 3.91E-08 | 3.79E-08 | 3.68E-09 | 3.64E-09 | 3.81E-09 | 3.81E-09 |
| URI (ΔCDF) | -8.90E-08 | -9.07E-08 | -8.93E-08 | -9.11E-08 | -8.85E-08 | -8.94E-08 | -8.90E-08 | -8.93E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-3.90E-08** | **-4.60E-08** | **-5.00E-08** | **-5.30E-08** | **-8.50E-08** | **-8.60E-08** | **-8.50E-08** | **-8.60E-08** |

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Activity | 7/15 | 8/15 | 9/15 | 10/15 | 11/15 | 12/15 | 1/16 | 2/16 | 3/16 | 4/16 | 5/16 | 6/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000016 | 0.000016 | 0.000013 | 0.000013 | 0.000010 | 0.000005 | 0.000010 | 0.000008 | 0.000007 | 0.000012 | 0.000030 | 0.000017 |
| 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 | 7/16 | 8/16 | 9/16 | 10/16 | 11/16 | 12/16 | 1/17 | 2/17 | 3/17 | 4/17 | 5/17 | 6/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000017 | 0.000013 | 0.000017 | 0.000018 | 0.000021 | 0.000018 | 0.000014 | N/A | 0.000005 | 0.000009 | 0.000005 | 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** | **N/A** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 7/15 | 8/15 | 9/15 | 10/15 | 11/15 | 12/15 | 1/16 | 2/16 | 3/16 | 4/16 | 5/16 | 6/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.760 | 1.630 | 1.560 | 1.540 | 1.470 | 1.420 | 1.380 | 1.370 | 1.400 | 1.330 | 1.720 | 1.700 |
| 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** | **5.9** | **5.4** | **5.2** | **5.1** | **4.9** | **4.7** | **4.6** | **4.6** | **4.7** | **4.4** | **5.7** | **5.7** |

| Reactor Coolant System Leakage | 7/16 | 8/16 | 9/16 | 10/16 | 11/16 | 12/16 | 1/17 | 2/17 | 3/17 | 4/17 | 5/17 | 6/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.950 | 1.640 | 1.600 | 1.570 | 1.540 | 1.520 | 1.610 | 1.620 | 1.690 | 1.660 | 1.600 | 1.580 |
| 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** | **6.5** | **5.5** | **5.3** | **5.2** | **5.1** | **5.1** | **5.4** | **5.4** | **5.6** | **5.5** | **5.3** | **5.3** |

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 58.0 | 41.0 | 22.0 | 55.0 | 53.0 | 36.0 | 24.0 | 27.0 |
| Total opportunities | 58.0 | 42.0 | 24.0 | 55.0 | 53.0 | 36.0 | 24.0 | 29.0 |
| **Indicator value** | **98.8%** | **99.0%** | **98.5%** | **98.7%** | **98.6%** | **98.6%** | **98.6%** | **98.4%** |

TOP

Licensee Comments:
1Q/17: The value for March 2017 was changed to correct previously reported data to include an additional 10 opportunities. The change did not affect the color of the indicator.

## Notes

| ERO Drill Participation | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 | 95.0 | 97.0 | 86.0 |
| Total Key personnel | 101.0 | 105.0 | 99.0 | 85.0 | 85.0 | 96.0 | 97.0 | 86.0 |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.0%** | **100.0%** | **100.0%** |

TOP

Licensee Comments:
4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

Thresholds: White < 94.0% Yellow < 90.0%

## Notes

| Alert & Notification System | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1117 | 1039 | 1038 | 1036 | 1032 | 1117 | 1039 | 1039 |
| Total sirens-tests | 1120 | 1040 | 1040 | 1040 | 1040 | 1120 | 1040 | 1040 |
| **Indicator value** | **99.9%** | **99.9%** | **99.8%** | **99.8%** | **99.6%** | **99.6%** | **99.6%** | **99.7%** |

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| High radiation area occurrences | 0 | 0 | 0 | 0 | 1 | 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 |
| **Indicator value** | **1** | **0** | **0** | **0** | **1** | **1** | **1** | **1** |

TOP

Licensee Comments:
3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator.

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 3Q/15 | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

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.

*Current data as of: July 26, 2017*

*Page Last Reviewed/Updated Wednesday, June 07, 2017*

United States Nuclear Regulatory Commission
*Protecting People and the Environment*



# Hatch 2 – Quarterly Performance Indicators

## 3Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:


- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
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- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 | 2184.0 | 2208.0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 0 | 4.0 | 0 | 0 | 0 | 2.0 | 1.0 |
| Critical hours | 2209.0 | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 | 2184.0 | 2208.0 |
| **Indicator value** | **0.9** | **0.8** | **4.0** | **3.2** | **3.2** | **3.4** | **1.7** | **2.5** |

TOP

Licensee Comments: none

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 |
| **Indicator value** | **0** | **0** | **1** | **1** | **2** | **2** | **4** | **4** |

TOP

Licensee Comments:
2Q/17: LER's 1-2017-003, 2-2017-003, 1-2017-004
4Q/16: LER 2-2016-003 "2C Emergency Diesel Generator Inoperable Due to Low Lube Oil Pressure"
2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## Notes

| Mitigating Systems Performance Index, Emergency AC Power System | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 6.75E-08 | 5.92E-08 | 9.77E-08 | 1.25E-07 | 1.31E-07 | 1.16E-07 | 5.65E-08 | 6.41E-08 |
| URI (ΔCDF) | -5.05E-08 | -5.92E-08 | -4.61E-08 | 1.38E-07 | 1.43E-07 | 1.13E-07 | 1.40E-07 | 1.39E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **1.70E-08** | **-7.40E-11** | **5.20E-08** | **2.60E-07** | **2.70E-07** | **2.30E-07** | **2.00E-07** | **2.00E-07** |

TOP

Licensee Comments:
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 |
| URI (ΔCDF) | -1.12E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.02E-07 | -1.02E-07 | -1.02E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-1.90E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** |

TOP

Licensee Comments: none

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 |
| URI (ΔCDF) | -1.76E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.84E-08 | -1.84E-08 | -1.84E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-2.40E-08** | **-2.40E-08** | **-2.40E-08** | **-2.30E-08** | **-2.40E-08** | **-2.50E-08** | **-2.50E-08** | **-2.50E-08** |

TOP

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/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.18E-08 | -1.18E-08 | -1.18E-08 | -1.18E-08 | -9.71E-09 | -8.23E-09 | -8.23E-09 | -8.28E-09 |
| URI (ΔCDF) | -1.14E-07 | -1.11E-07 | -1.13E-07 | -1.14E-07 | -1.15E-07 | -1.20E-07 | -1.21E-07 | -1.18E-07 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-1.30E-07** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** |

TOP

Licensee Comments: none

## Notes

| Mitigating Systems Performance Index, Cooling Water Systems | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 4.48E-08 | 3.91E-08 | 3.79E-08 | 3.68E-09 | 3.64E-09 | 3.81E-09 | 3.81E-09 | 3.77E-09 |
| URI (ΔCDF) | -9.07E-08 | -8.93E-08 | -9.11E-08 | -8.85E-08 | -8.94E-08 | -8.90E-08 | -8.93E-08 | -8.61E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-4.60E-08** | **-5.00E-08** | **-5.30E-08** | **-8.50E-08** | **-8.60E-08** | **-8.50E-08** | **-8.60E-08** | **-8.20E-08** |

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Activity | 10/15 | 11/15 | 12/15 | 1/16 | 2/16 | 3/16 | 4/16 | 5/16 | 6/16 | 7/16 | 8/16 | 9/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000013 | 0.000010 | 0.000005 | 0.000010 | 0.000008 | 0.000007 | 0.000012 | 0.000030 | 0.000017 | 0.000017 | 0.000013 | 0.000017 |
| 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 | 10/16 | 11/16 | 12/16 | 1/17 | 2/17 | 3/17 | 4/17 | 5/17 | 6/17 | 7/17 | 8/17 | 9/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000018 | 0.000021 | 0.000018 | 0.000014 | N/A | 0.000005 | 0.000009 | 0.000005 | 0.000006 | 0.000008 | 0.000007 | 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** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 10/15 | 11/15 | 12/15 | 1/16 | 2/16 | 3/16 | 4/16 | 5/16 | 6/16 | 7/16 | 8/16 | 9/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.540 | 1.470 | 1.420 | 1.380 | 1.370 | 1.400 | 1.330 | 1.720 | 1.700 | 1.950 | 1.640 | 1.600 |
| 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** | **5.1** | **4.9** | **4.7** | **4.6** | **4.6** | **4.7** | **4.4** | **5.7** | **5.7** | **6.5** | **5.5** | **5.3** |

| Reactor Coolant System Leakage | 10/16 | 11/16 | 12/16 | 1/17 | 2/17 | 3/17 | 4/17 | 5/17 | 6/17 | 7/17 | 8/17 | 9/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.570 | 1.540 | 1.520 | 1.610 | 1.620 | 1.690 | 1.660 | 1.600 | 1.580 | 1.630 | 1.670 | 1.670 |
| 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** | **5.2** | **5.1** | **5.1** | **5.4** | **5.4** | **5.6** | **5.5** | **5.3** | **5.3** | **5.4** | **5.6** | **5.6** |

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 41.0 | 22.0 | 55.0 | 53.0 | 36.0 | 24.0 | 27.0 | 41.0 |
| Total opportunities | 42.0 | 24.0 | 55.0 | 53.0 | 36.0 | 24.0 | 29.0 | 43.0 |
| **Indicator value** | **99.0%** | **98.5%** | **98.7%** | **98.6%** | **98.6%** | **98.6%** | **98.4%** | **97.7%** |

TOP

Licensee Comments:
1Q/17: The value for March 2017 was changed to correct previously reported data to include an additional 10 opportunities. The change did not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 105.0 | 99.0 | 85.0 | 85.0 | 95.0 | 97.0 | 86.0 | 88.0 |
| Total Key personnel | 105.0 | 99.0 | 85.0 | 85.0 | 96.0 | 97.0 | 86.0 | 88.0 |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **100.0%** | **99.0%** | **100.0%** | **100.0%** | **100.0%** |

TOP

Licensee Comments:
4Q/15: November and December values revised due to a failure to remove an individual that no longer required to be tracked in the Control Room ENN Communicator position

Thresholds: White < 94.0% Yellow < 90.0%

## Notes

| Alert & Notification System | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1039 | 1038 | 1036 | 1032 | 1117 | 1039 | 1039 | 1039 |
| Total sirens-tests | 1040 | 1040 | 1040 | 1040 | 1120 | 1040 | 1040 | 1040 |
| **Indicator value** | **99.9%** | **99.8%** | **99.8%** | **99.6%** | **99.6%** | **99.6%** | **99.7%** | **99.9%** |

TOP

Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments:
3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator. Update 09/20/2017, changed value from 1 to 0. Dose rate was < 1 rem/hr. Change does not affect color.
3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator.

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 4Q/15 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

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.

*Current data as of: October 31, 2017*

*Page Last Reviewed/Updated Monday, November 06, 2017*

United States Nuclear Regulatory Commission
*Protecting People and the Environment*



# Hatch 2 – Quarterly Performance Indicators

## 4Q/2017 Performance Indicators

The solid trend line represents the current reporting period.

Licensee's General Comments: none

On this page:


- Unplanned Scrams (IE01)
- Unplanned Power Changes per 7000 Critical Hours (IE03)
- Unplanned Scrams with Complications (IE04)
- Safety System Functional Failures (MS05)
- Emergency AC Power Systems (MS06)
- High Pressure Injection Systems (MS07)
- Heat Removal Systems (MS08)
- Residual Heat Removal Systems (MS09)
- Cooling Water Systems (MS10)
- Reactor Coolant System Activity (BI01)
- Reactor Coolant System Leakage (BI02)
- Drill/Exercise Performance (EP01)
- Emergency Response Organization Drill Participation (EP02)
- Alert and Notification System Reliability (EP03)
- Occupational Exposure Control Effectiveness (OR01)
- RETS/OCDM Radiological Effluent Occurrence (PR01)
- Protected Area Equipment (PP01)

Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

## Notes

| Unplanned Scrams per 7000 Critical Hrs | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned scrams | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical hours | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 | 2184.0 | 2208.0 | 2209.0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Unplanned Power Changes per 7000 Critical Hrs | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| Unplanned power changes | 0 | 4.0 | 0 | 0 | 0 | 2.0 | 1.0 | 1.0 |
| Critical hours | 2183.0 | 2079.9 | 2208.0 | 2209.0 | 1686.9 | 2184.0 | 2208.0 | 2209.0 |
| **Indicator value** | **0.8** | **4.0** | **3.2** | **3.2** | **3.4** | **1.7** | **2.5** | **3.4** |

TOP

Licensee Comments: none

Thresholds: White > 1.0

## Notes

| Unplanned Scrams with Complications | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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** |

TOP

Licensee Comments: none

Thresholds: White > 6.0

## Notes

| Safety System Functional Failures (BWR) | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| Safety System Functional Failures | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 0 |
| **Indicator value** | **0** | **1** | **1** | **2** | **2** | **4** | **4** | **3** |

TOP

Licensee Comments:
2Q/17: LER's 1-2017-003, 2-2017-003, 1-2017-004
4Q/16: LER 2-2016-003 "2C Emergency Diesel Generator Inoperable Due to Low Lube Oil Pressure"
2Q/16: 2016-06 - LER 2-2016-001, "2C EDG Fuel Oil Relief Valve Leakage Caused Train Inoperability"

## 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 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 5.92E-08 | 9.77E-08 | 1.25E-07 | 1.31E-07 | 1.16E-07 | 5.65E-08 | 6.41E-08 | 7.21E-08 |
| URI (ΔCDF) | -5.92E-08 | -4.61E-08 | 1.38E-07 | 1.43E-07 | 1.13E-07 | 1.40E-07 | 1.39E-07 | -1.93E-09 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-7.40E-11** | **5.20E-08** | **2.60E-07** | **2.70E-07** | **2.30E-07** | **2.00E-07** | **2.00E-07** | **7.00E-08** |

TOP

Licensee Comments:
4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation. Evaluation determined this was not an MSPI failure based on MSPI dictated main system function not affected by event.
1Q/16: One fuel leak condition affecting the 2C diesel is under evaluation.

## 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 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -7.82E-08 | -1.95E-08 |
| URI (ΔCDF) | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.01E-07 | -1.02E-07 | -1.02E-07 | -1.02E-07 | -2.56E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-1.80E-07** | **-4.50E-08** |

TOP

Licensee Comments:
4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

## Notes

| Mitigating Systems Performance Index, Heat Removal System | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -6.69E-09 | -5.36E-09 |
| URI (ΔCDF) | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.68E-08 | -1.84E-08 | -1.84E-08 | -1.84E-08 | -1.23E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-2.40E-08** | **-2.40E-08** | **-2.30E-08** | **-2.40E-08** | **-2.50E-08** | **-2.50E-08** | **-2.50E-08** | **-1.80E-08** |

TOP

Licensee Comments:
4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

## 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 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | -1.18E-08 | -1.18E-08 | -1.18E-08 | -9.71E-09 | -8.23E-09 | -8.23E-09 | -8.28E-09 | -5.57E-09 |
| URI (ΔCDF) | -1.11E-07 | -1.13E-07 | -1.14E-07 | -1.15E-07 | -1.20E-07 | -1.21E-07 | -1.18E-07 | -4.18E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-1.20E-07** | **-1.20E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** | **-1.30E-07** | **-4.70E-08** |

TOP

Licensee Comments:
4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

## 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 | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| UAI (ΔCDF) | 3.91E-08 | 3.79E-08 | 3.68E-09 | 3.64E-09 | 3.81E-09 | 3.81E-09 | 3.77E-09 | 1.74E-08 |
| URI (ΔCDF) | -8.93E-08 | -9.11E-08 | -8.85E-08 | -8.94E-08 | -8.90E-08 | -8.93E-08 | -8.61E-08 | -4.27E-08 |
| PLE | NO | NO | NO | NO | NO | NO | NO | NO |
| **Indicator value** | **-5.00E-08** | **-5.30E-08** | **-8.50E-08** | **-8.60E-08** | **-8.50E-08** | **-8.60E-08** | **-8.20E-08** | **-2.50E-08** |

TOP

Licensee Comments:
4Q/17: Changed PRA Parameter(s). All PRA inputs were revised to reflect the U1R5 and U2R5v2 models per calculations H-RIE-IEIF-U01 and H-RIE-IEIF-U02, rev 2.0. Revised the HPCI and RCIC mission time discussion based on the addition of RCIC 24-hour mission time logic. Attachment 1 no longer needed, MAAP parameters updated per PRA-BC-H-15-018. H-RIE-MSPI-U00 is the associated calculation for this version of the MSPI document. During Engineering review corrected several entries where body of document did not match Appendix A or Appendix B. Tables 1.4-3i and 1.4-3j had been inadvertently deleted, added back to document. Corrected table 1.5-2a where PSW segments 1-2 and 2-1 were reversed. Corrections were made to the Planned Unavailability Baseline (UABLP) values that were inadvertently omitted during the 2014Q1 update. The error did not impact the indicator colors.

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Activity | 1/16 | 2/16 | 3/16 | 4/16 | 5/16 | 6/16 | 7/16 | 8/16 | 9/16 | 10/16 | 11/16 | 12/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000010 | 0.000008 | 0.000007 | 0.000012 | 0.000030 | 0.000017 | 0.000017 | 0.000013 | 0.000017 | 0.000018 | 0.000021 | 0.000018 |
| 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 | 1/17 | 2/17 | 3/17 | 4/17 | 5/17 | 6/17 | 7/17 | 8/17 | 9/17 | 10/17 | 11/17 | 12/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum activity | 0.000014 | N/A | 0.000005 | 0.000009 | 0.000005 | 0.000006 | 0.000008 | 0.000007 | 0.000006 | 0.000007 | 0.000010 | 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** | **N/A** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

TOP

Licensee Comments: none

Thresholds: White > 50.0 Yellow > 100.0

## Notes

| Reactor Coolant System Leakage | 1/16 | 2/16 | 3/16 | 4/16 | 5/16 | 6/16 | 7/16 | 8/16 | 9/16 | 10/16 | 11/16 | 12/16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.380 | 1.370 | 1.400 | 1.330 | 1.720 | 1.700 | 1.950 | 1.640 | 1.600 | 1.570 | 1.540 | 1.520 |
| 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** | **4.6** | **4.6** | **4.7** | **4.4** | **5.7** | **5.7** | **6.5** | **5.5** | **5.3** | **5.2** | **5.1** | **5.1** |

| Reactor Coolant System Leakage | 1/17 | 2/17 | 3/17 | 4/17 | 5/17 | 6/17 | 7/17 | 8/17 | 9/17 | 10/17 | 11/17 | 12/17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum leakage | 1.610 | 1.620 | 1.690 | 1.660 | 1.600 | 1.580 | 1.630 | 1.670 | 1.670 | 1.680 | 1.620 | 1.610 |
| 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** | **5.4** | **5.4** | **5.6** | **5.5** | **5.3** | **5.3** | **5.4** | **5.6** | **5.6** | **5.6** | **5.4** | **5.4** |

TOP

Licensee Comments: none

Thresholds: White < 90.0% Yellow < 70.0%

## Notes

| Drill/Exercise Performance | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful opportunities | 22.0 | 55.0 | 53.0 | 36.0 | 24.0 | 27.0 | 41.0 | 8.0 |
| Total opportunities | 24.0 | 55.0 | 53.0 | 36.0 | 24.0 | 29.0 | 43.0 | 14.0 |
| **Indicator value** | **98.5%** | **98.7%** | **98.6%** | **98.6%** | **98.6%** | **98.4%** | **97.7%** | **95.7%** |

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Licensee Comments:
1Q/17: The value for March 2017 was changed to correct previously reported data to include an additional 10 opportunities. The change did not affect the color of the indicator.

Thresholds: White < 80.0% Yellow < 60.0%

## Notes

| ERO Drill Participation | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| Participating Key personnel | 99.0 | 85.0 | 85.0 | 95.0 | 97.0 | 86.0 | 88.0 | 89.0 |
| Total Key personnel | 99.0 | 85.0 | 85.0 | 96.0 | 97.0 | 86.0 | 88.0 | 96.0 |
| **Indicator value** | **100.0%** | **100.0%** | **100.0%** | **99.0%** | **100.0%** | **100.0%** | **100.0%** | **92.7%** |

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Licensee Comments: none

Thresholds: White < 94.0% Yellow < 90.0%

## Notes

| Alert & Notification System | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| Successful siren-tests | 1038 | 1036 | 1032 | 1117 | 1039 | 1039 | 1039 | 1199 |
| Total sirens-tests | 1040 | 1040 | 1040 | 1120 | 1040 | 1040 | 1040 | 1200 |
| **Indicator value** | **99.8%** | **99.8%** | **99.6%** | **99.6%** | **99.6%** | **99.7%** | **99.9%** | **99.9%** |

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Licensee Comments: none

Thresholds: White > 2.0 Yellow > 5.0

## Notes

| Occupational Exposure Control Effectiveness | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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Licensee Comments:
3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator. Update 09/20/2017, changed value from 1 to 0. Dose rate was < 1 rem/hr. Change does not affect color.
3Q/16: The number of high radiation area occurrences was changed value from 0 to 1 for the month of September 2016 to include a previously omitted occurrence. The change does not affect the color of the indicator.

Thresholds: White > 1.0 Yellow > 3.0

## Notes

| RETS/ODCM Radiological Effluent | 1Q/16 | 2Q/16 | 3Q/16 | 4Q/16 | 1Q/17 | 2Q/17 | 3Q/17 | 4Q/17 |
|---|---|---|---|---|---|---|---|---|
| RETS/ODCM occurrences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Indicator value** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

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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.

*Current data as of: February 1, 2018*

*Page Last Reviewed/Updated Monday, November 06, 2017*