

# Farley 1

## 1Q/2008 Performance Indicators

Licensee's General Comments: 1B RHR demand failure added due to MSPI applicability to the breaker failure not being recognized at the time of occurrence. Change affects 4th quarter 2007 data. Indicator color unaffected.

### Unplanned Scrams per 7000 Critical Hrs



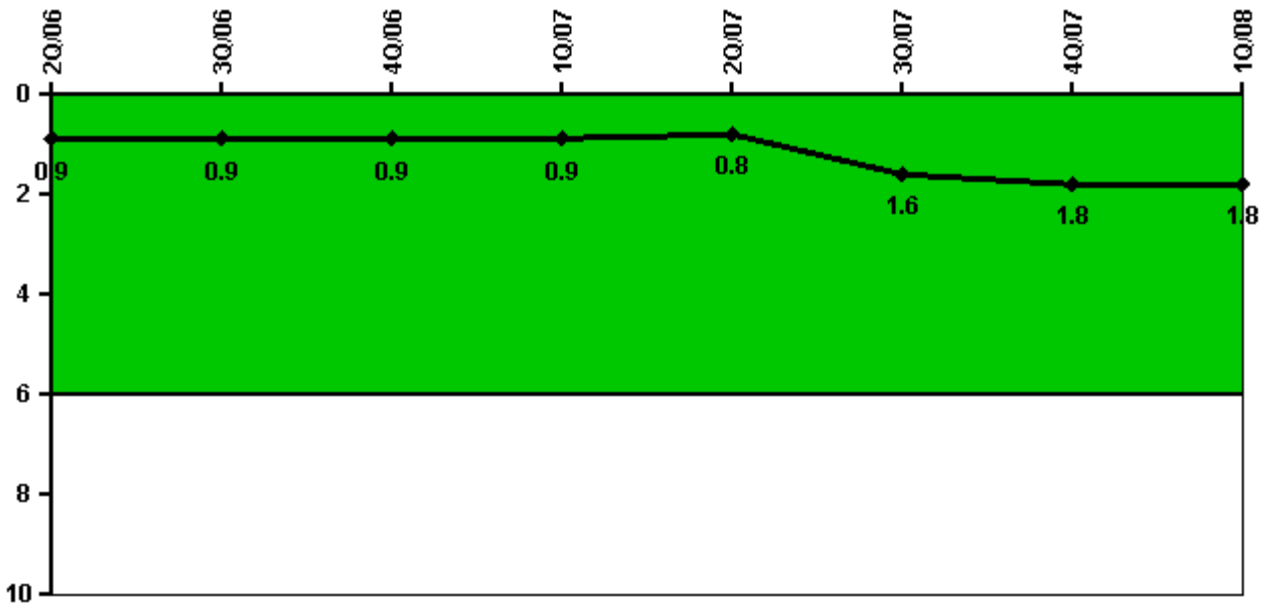
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	0	0	0	0	0	0	0	0
Critical hours	1085.0	2183.7	2209.0	2159.0	2184.0	2160.5	1185.6	2183.0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

# Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

## Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned power changes	1.0	0	0	0	1.0	1.0	0	0
Critical hours	1085.0	2183.7	2209.0	2159.0	2184.0	2160.5	1185.6	2183.0
Indicator value	0.9	0.9	0.9	0.9	0.8	1.6	1.8	1.8

Licensee Comments: none

# Unplanned Scrams with Complications



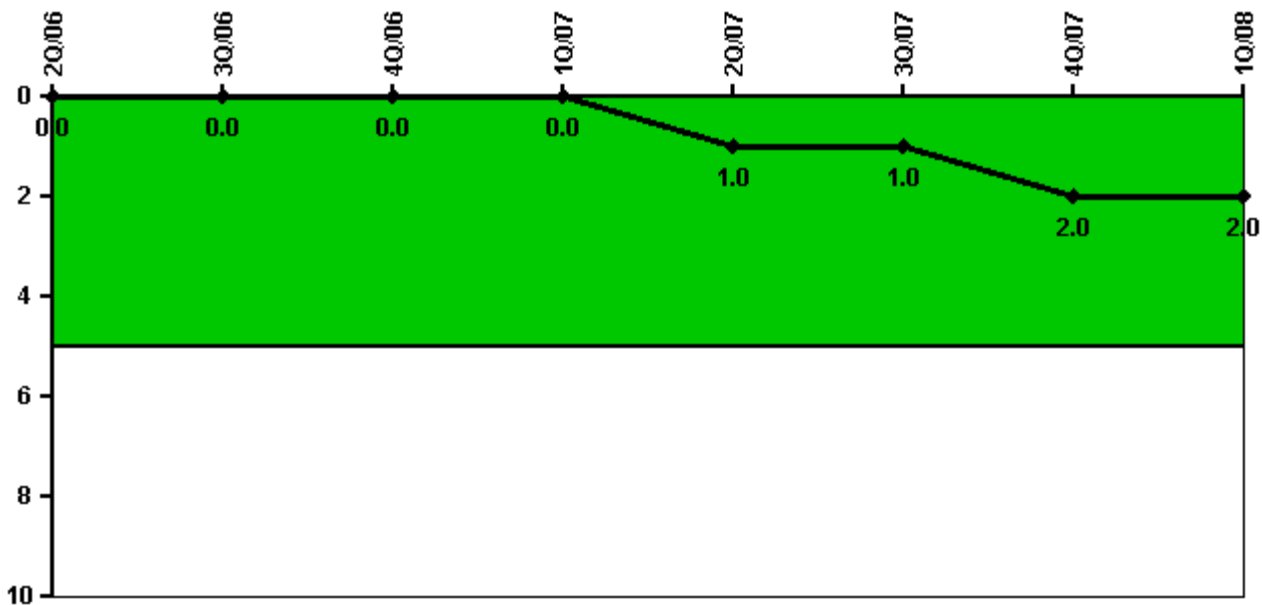
Thresholds: White > 1.0

## 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	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

# Safety System Functional Failures (PWR)



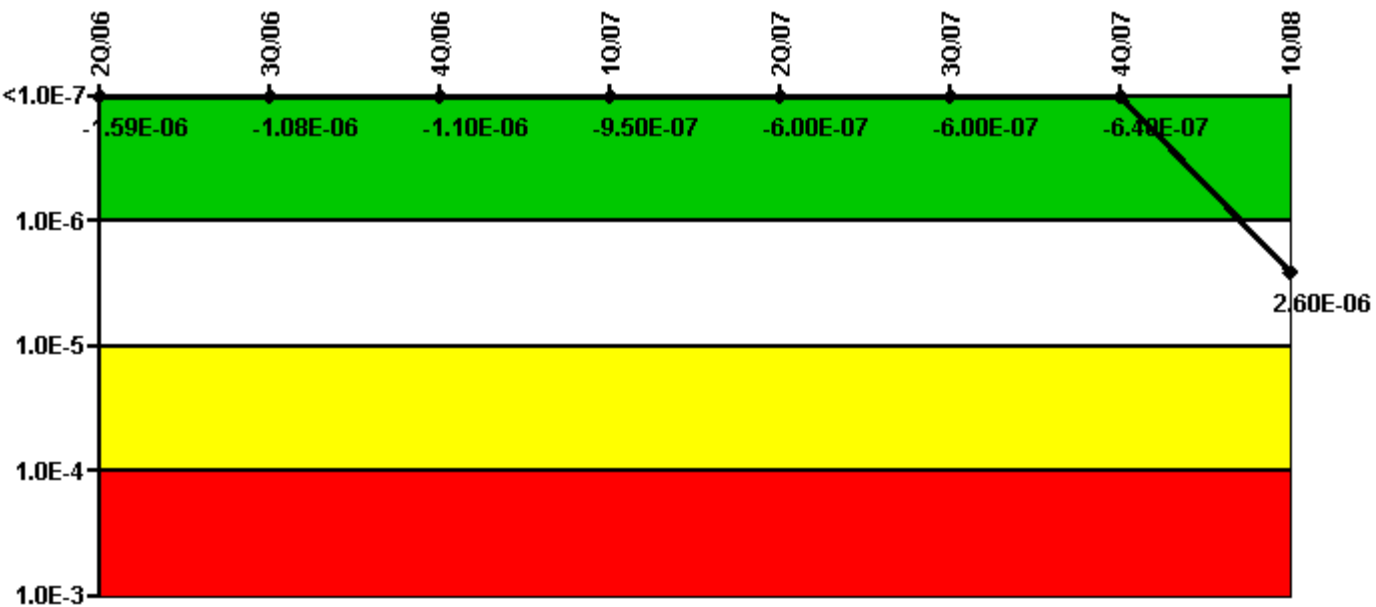
Thresholds: White > 5.0

## Notes

Safety System Functional Failures (PWR)	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Safety System Functional Failures	0	0	0	0	1	0	1	0
Indicator value	0	0	0	0	1	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

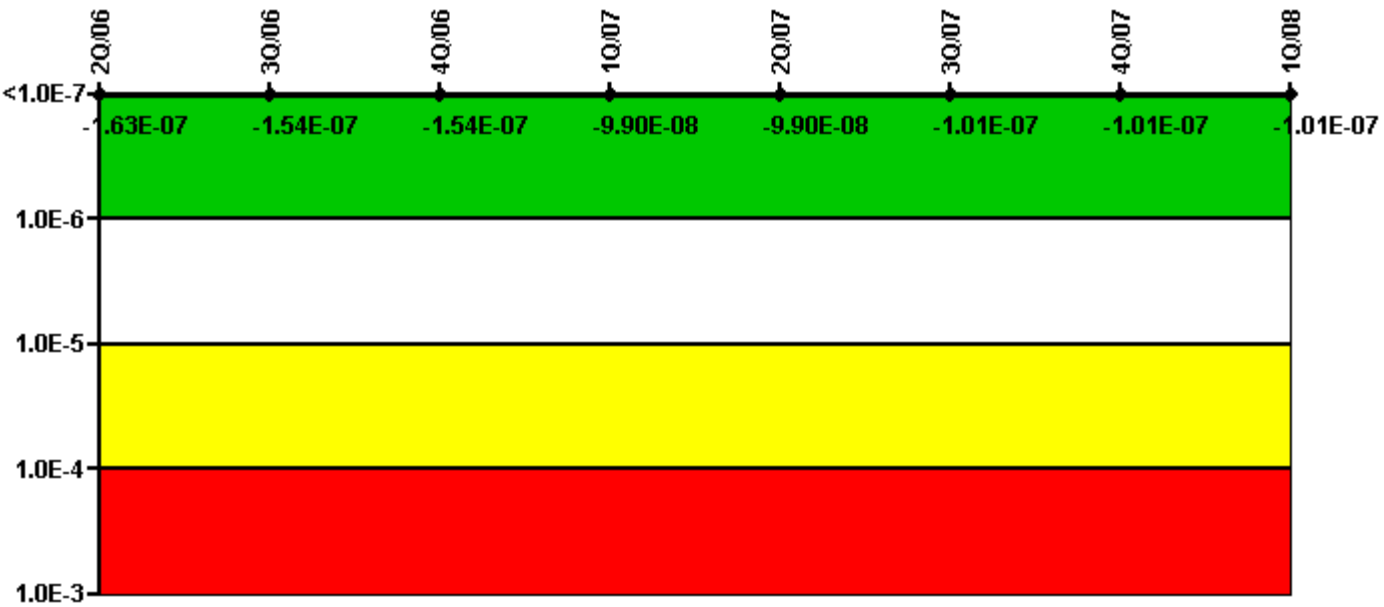
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	5.10E-07	3.20E-07	3.00E-07	4.50E-07	4.00E-07	4.00E-07	3.60E-07	8.00E-07
URI ( $\Delta$ CDF)	-2.10E-06	-1.40E-06	-1.40E-06	-1.40E-06	-1.00E-06	-1.00E-06	-1.00E-06	1.80E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.59E-06	-1.08E-06	-1.10E-06	-9.50E-07	-6.00E-07	-6.00E-07	-6.40E-07	2.60E-06

Licensee Comments:

1Q/08: Risk Cap Invoked. White threshold exceeded due to two 1B EDG run failures from different causes. FAQ on clarification of failure definition is pending.

# Mitigating Systems Performance Index, High Pressure Injection System



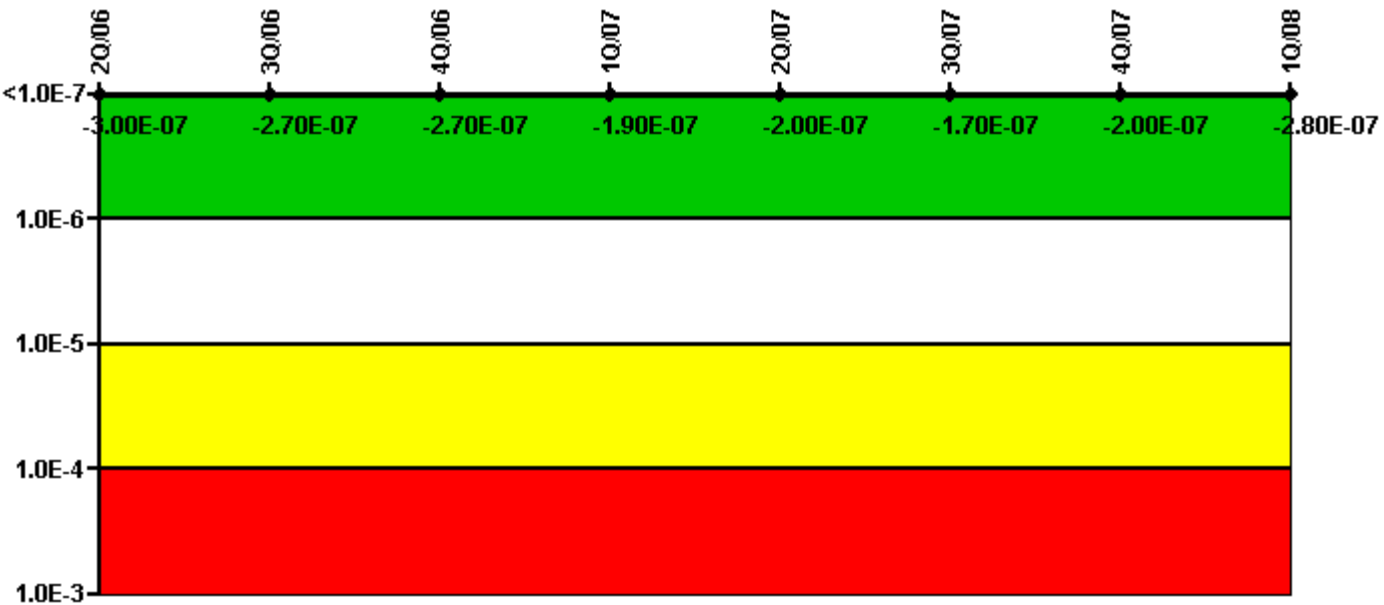
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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 ( $\Delta$ CDF)	-8.50E-08	-8.40E-08	-8.40E-08	-2.90E-08	-2.90E-08	-3.10E-08	-3.10E-08	-3.10E-08
URI ( $\Delta$ CDF)	-7.80E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.63E-07	-1.54E-07	-1.54E-07	-9.90E-08	-9.90E-08	-1.01E-07	-1.01E-07	-1.01E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



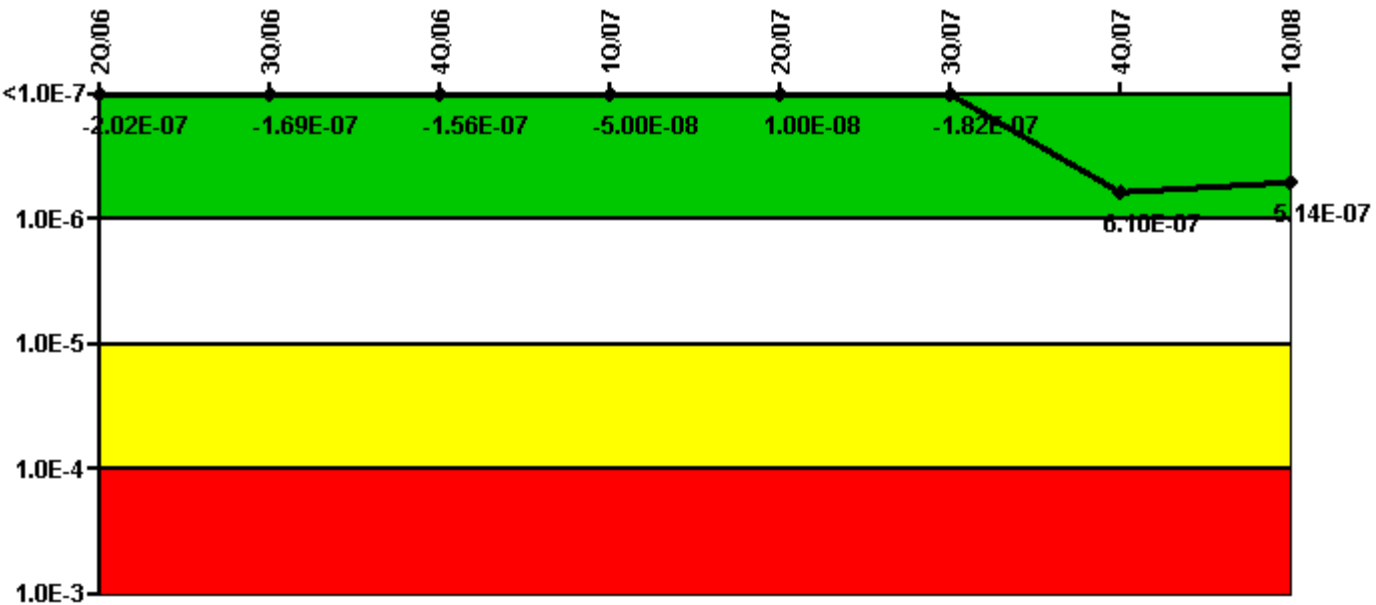
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	3.60E-07	2.50E-07	2.50E-07	3.30E-07	3.20E-07	3.50E-07	3.20E-07	2.40E-07
URI ( $\Delta$ CDF)	-6.60E-07	-5.20E-07	-5.20E-07	-5.20E-07	-5.20E-07	-5.20E-07	-5.20E-07	-5.20E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-3.00E-07	-2.70E-07	-2.70E-07	-1.90E-07	-2.00E-07	-1.70E-07	-2.00E-07	-2.80E-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

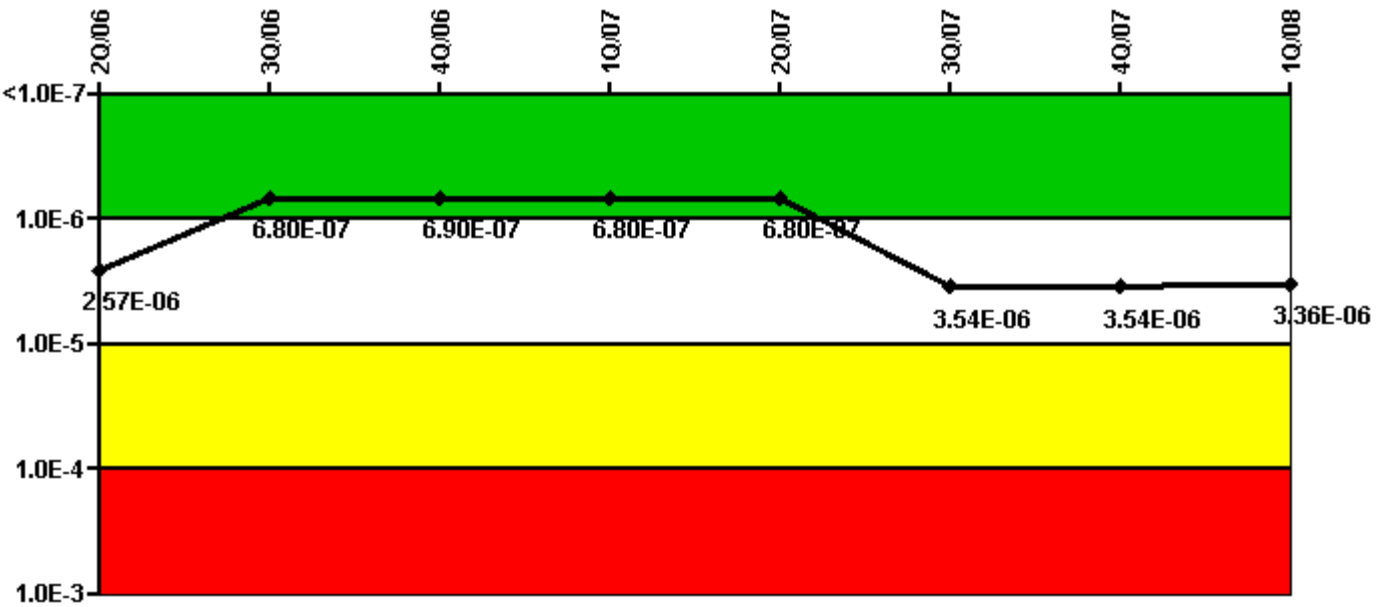
Mitigating Systems Performance Index, Residual Heat Removal System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	9.80E-08	4.10E-08	5.40E-08	1.60E-07	2.20E-07	2.80E-08	1.50E-07	5.40E-08
URI ( $\Delta$ CDF)	-3.00E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07	-2.10E-07	4.60E-07	4.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-2.02E-07	-1.69E-07	-1.56E-07	-5.00E-08	1.00E-08	-1.82E-07	6.10E-07	5.14E-07

Licensee Comments:

1Q/08: 1B RHR demand failure added due to MSPI applicability to the breaker failure not being recognized at the time of occurrence. Change affects 4th quarter 2007 data. Indicator color unaffected.



# Mitigating Systems Performance Index, Cooling Water Systems



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

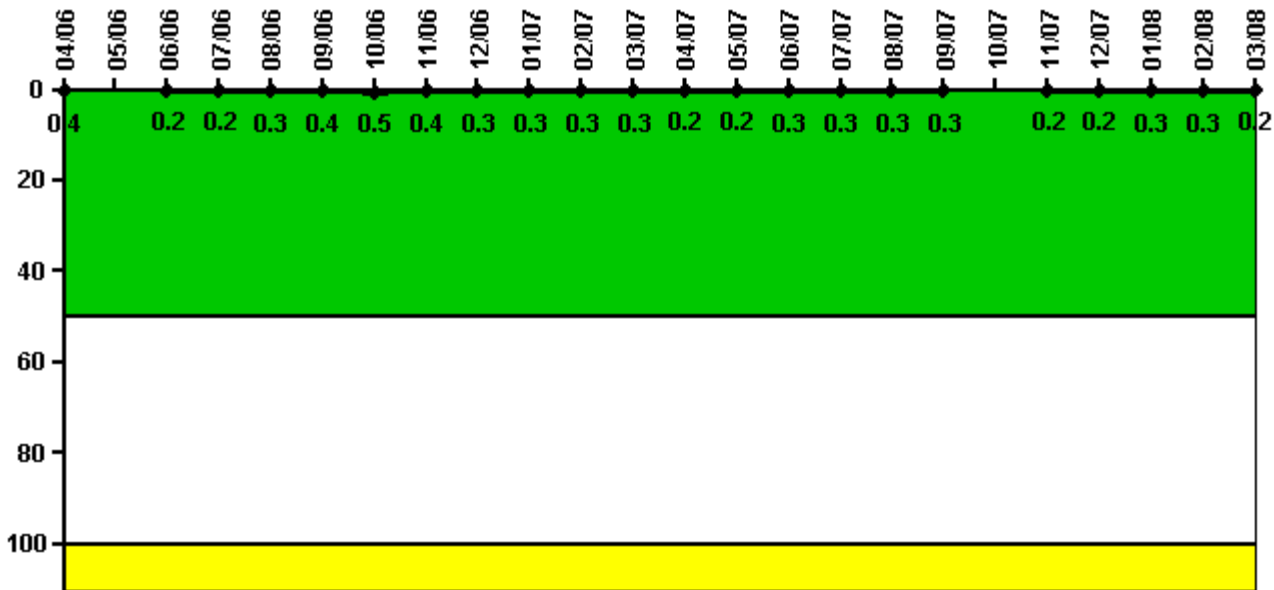
## Notes

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)	2.70E-07	2.50E-07	2.60E-07	2.50E-07	2.50E-07	3.40E-07	3.40E-07	3.60E-07
URI (ΔCDF)	2.30E-06	4.30E-07	4.30E-07	4.30E-07	4.30E-07	3.20E-06	3.20E-06	3.00E-06
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.57E-06	6.80E-07	6.90E-07	6.80E-07	6.80E-07	3.54E-06	3.54E-06	3.36E-06

Licensee Comments:

1Q/08: Risk Cap Invoked.

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

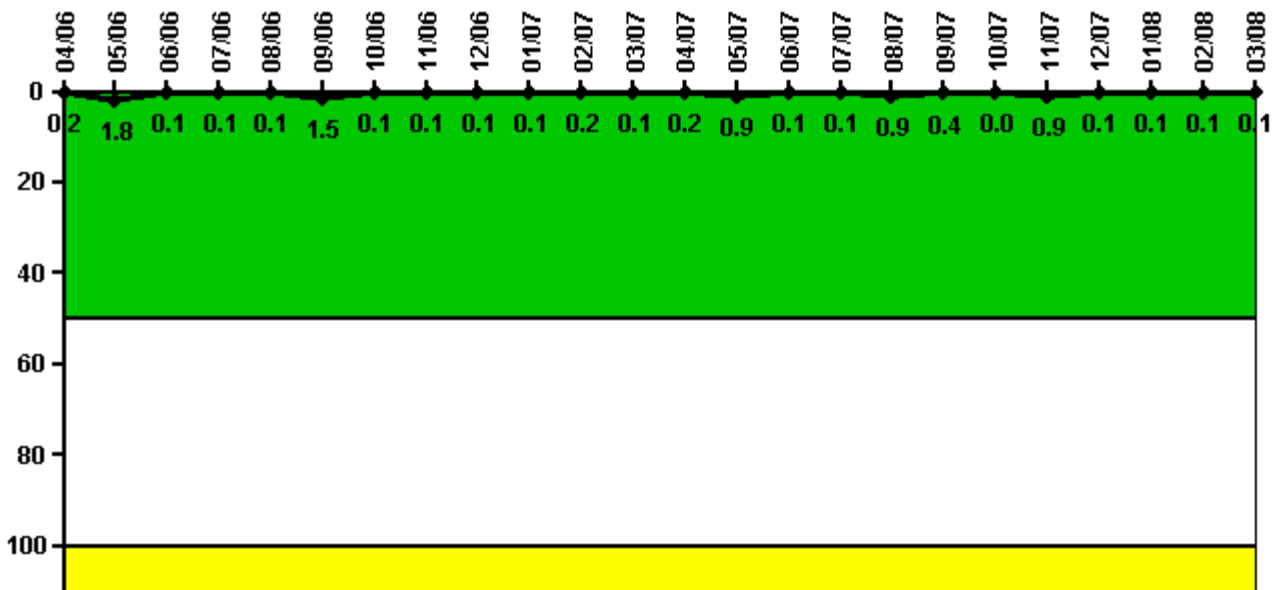
Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.002097	N/A	0.001010	0.001124	0.001524	0.001937	0.002433	0.001970	0.001331	0.001404	0.001526	0.001532
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.4	N/A	0.2	0.2	0.3	0.4	0.5	0.4	0.3	0.3	0.3	0.3

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	0.001129	0.001213	0.001417	0.001607	0.001486	0.001480	N/A	0.000917	0.001003	0.001271	0.001684	0.001040
Technical specification limit	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.2	0.2	0.3	0.3	0.3	0.3	N/A	0.2	0.2	0.3	0.3	0.2

Licensee Comments: none

# Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

## Notes

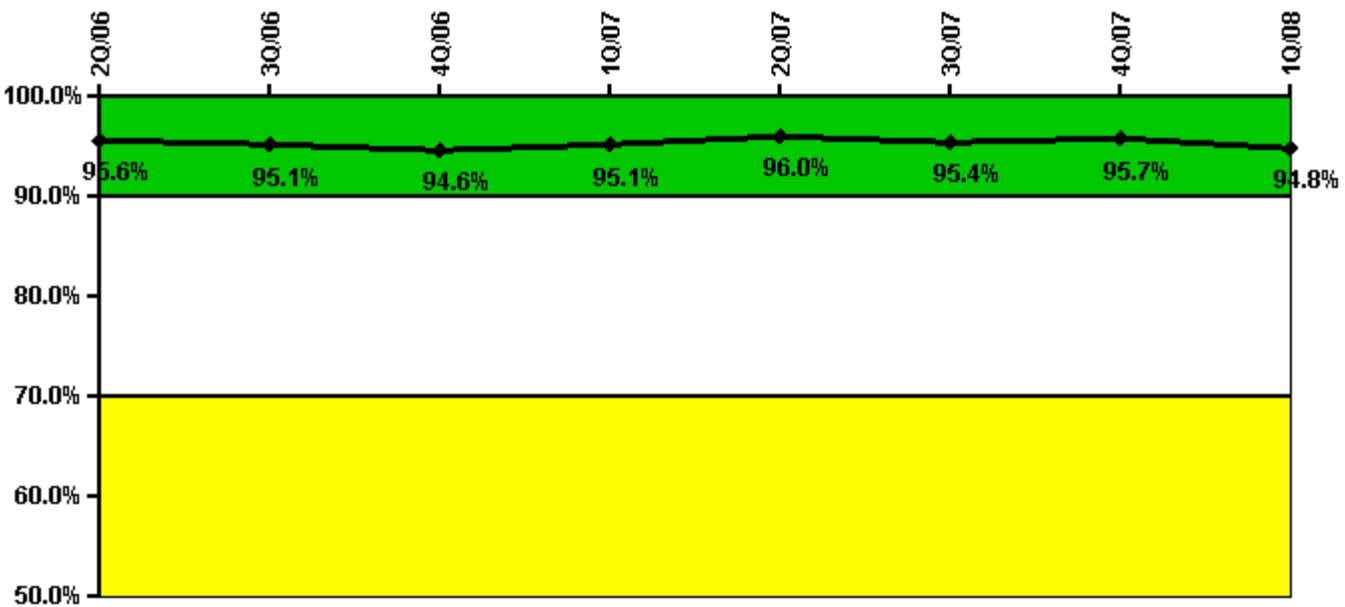
Reactor Coolant System Leakage	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum leakage	0.020	0.180	0.010	0.010	0.010	0.150	0.010	0.010	0.010	0.010	0.020	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	1.8	0.1	0.1	0.1	1.5	0.1	0.1	0.1	0.1	0.2	0.1

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	0.020	0.090	0.010	0.010	0.090	0.040	0	0.090	0.010	0.010	0.010	0.010
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.9	0.1	0.1	0.9	0.4	0	0.9	0.1	0.1	0.1	0.1

Licensee Comments: none

# Drill/Exercise Performance



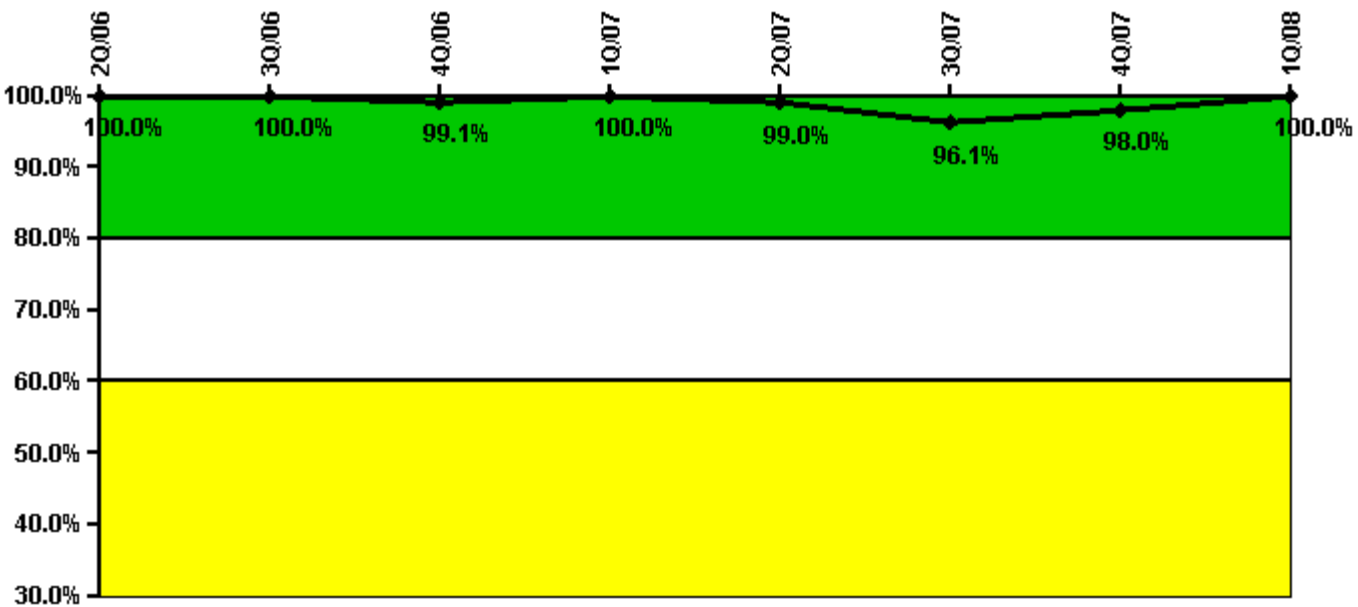
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	6.0	65.0	46.0	28.0	8.0	12.0	14.0	57.0
Total opportunities	6.0	69.0	50.0	28.0	8.0	12.0	14.0	62.0
Indicator value	95.6%	95.1%	94.6%	95.1%	96.0%	95.4%	95.7%	94.8%

Licensee Comments: none

# ERO Drill Participation



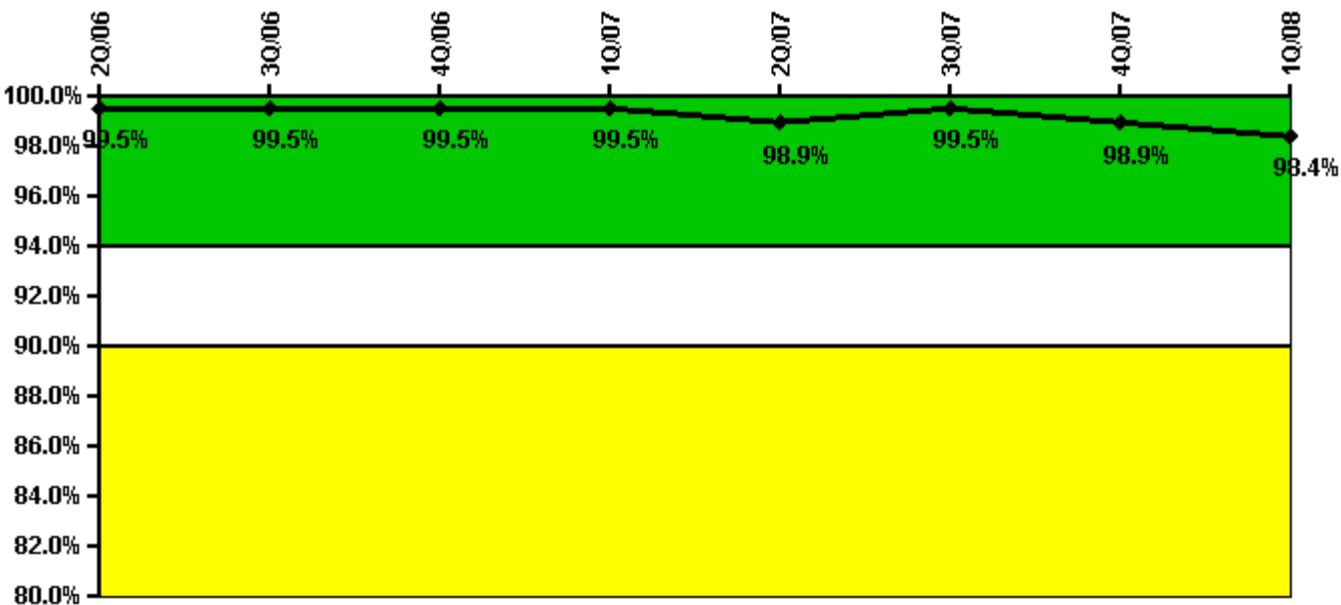
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	106.0	104.0	105.0	109.0	101.0	99.0	100.0	103.0
Total Key personnel	106.0	104.0	106.0	109.0	102.0	103.0	102.0	103.0
Indicator value	100.0%	100.0%	99.1%	100.0%	99.0%	96.1%	98.0%	100.0%

Licensee Comments: none

# Alert & Notification System



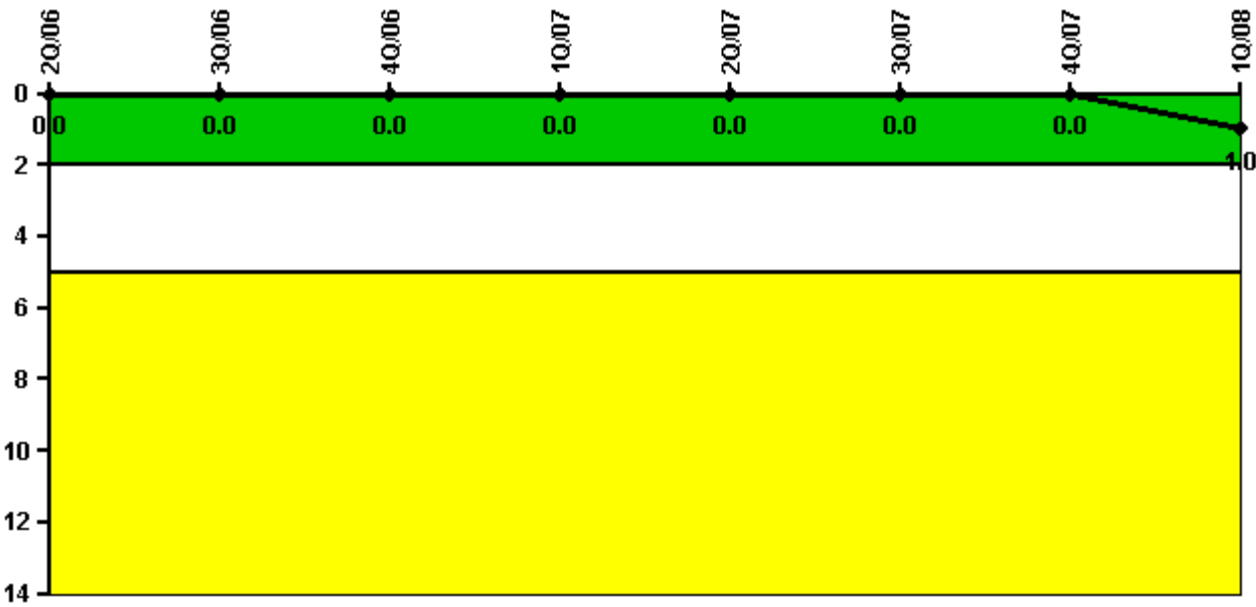
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	48	44	48	48	47	45	47	44
Total sirens-tests	48	45	48	48	48	45	48	45
Indicator value	99.5%	99.5%	99.5%	99.5%	98.9%	99.5%	98.9%	98.4%

Licensee Comments: none

# 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	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

# 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

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

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

Last Modified: April 30, 2008