

Palisades

2Q/2006 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

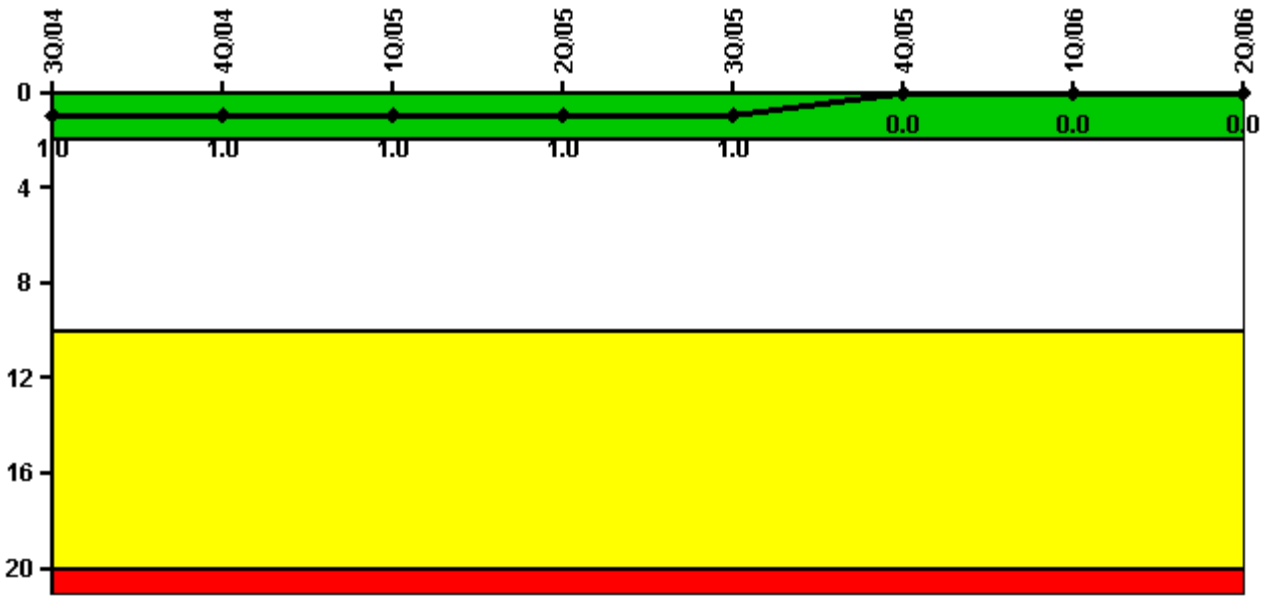
Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned scrams	1.0	0	1.0	0	1.0	0	0	1.0
Critical hours	1756.4	1104.6	2039.5	2183.0	2173.7	2185.2	2035.3	1155.0
Indicator value	0.8	1.0	2.0	2.0	1.9	1.6	0.8	1.9

Licensee Comments:

2Q/06: Plant scram due to identification of uncoupled control rod.

Scrams with Loss of Normal Heat Removal



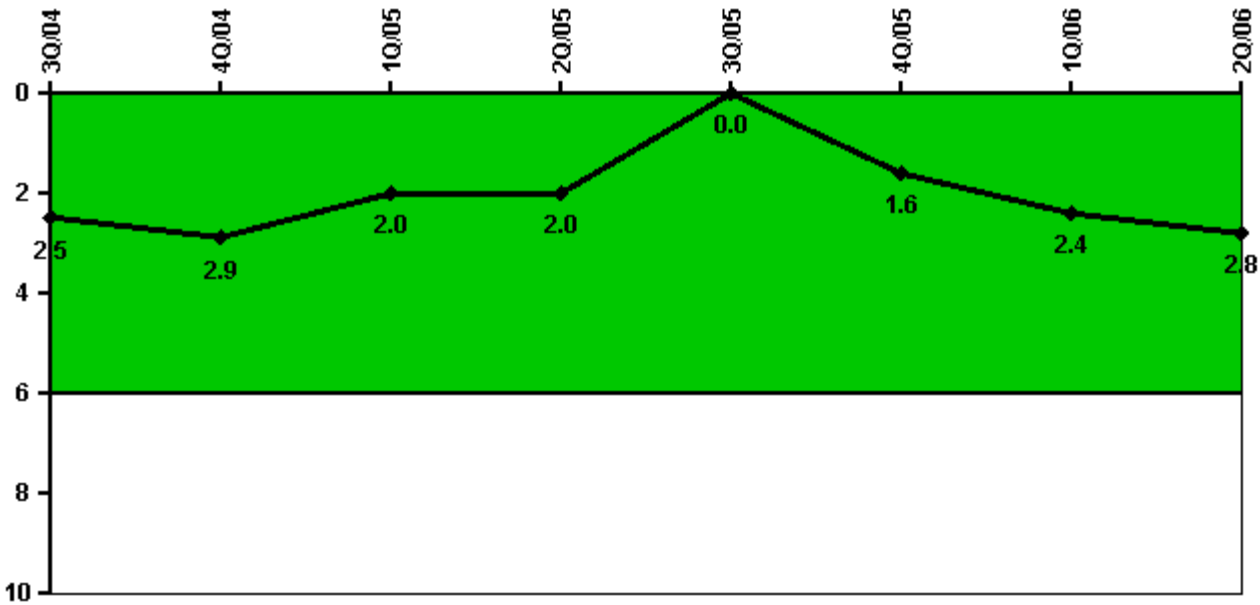
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	0
Indicator value	1.0	1.0	1.0	1.0	1.0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

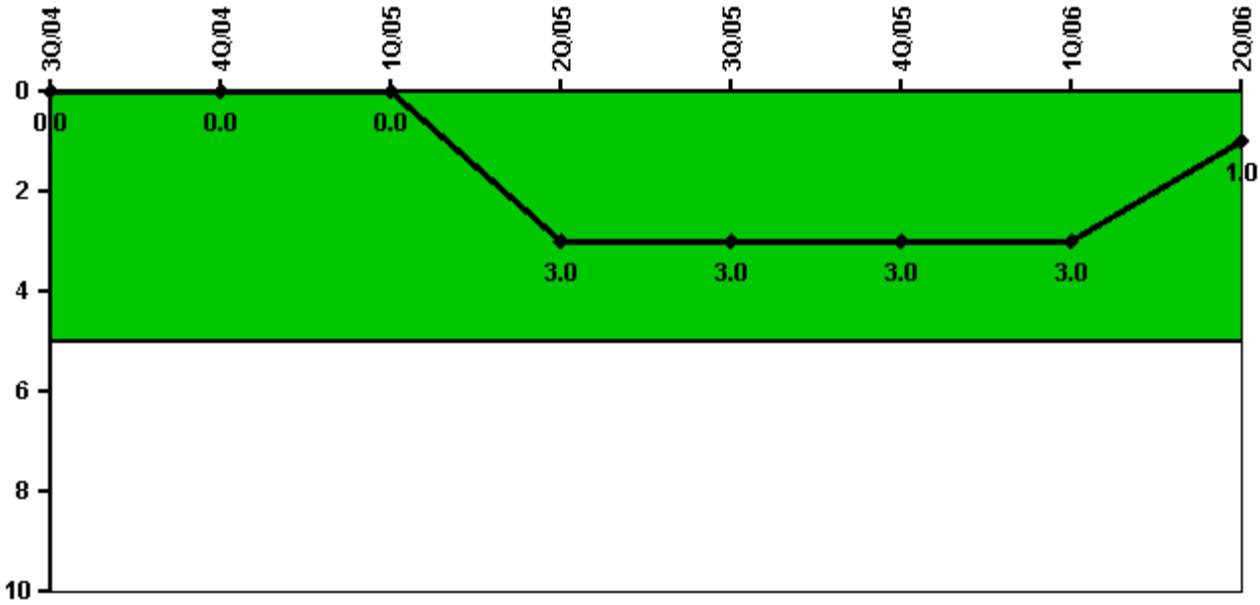
Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Unplanned power changes	2.0	0	0	0	0	2.0	1.0	0
Critical hours	1756.4	1104.6	2039.5	2183.0	2173.7	2185.2	2035.3	1155.0
Indicator value	2.5	2.9	2.0	2.0	0	1.6	2.4	2.8

Licensee Comments:

1Q/06: Palisades reduced power on 03/31/2006 for inoperability of high pressure safety injection subcooling cooling Valve, CV-3070. The power reduction should have been included as an unplanned power change for March 2006. The station did not recognize that the unplanned power change criteria had been met until after the 1st quarter 2006 NRC performance indicator data submittal.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

Notes

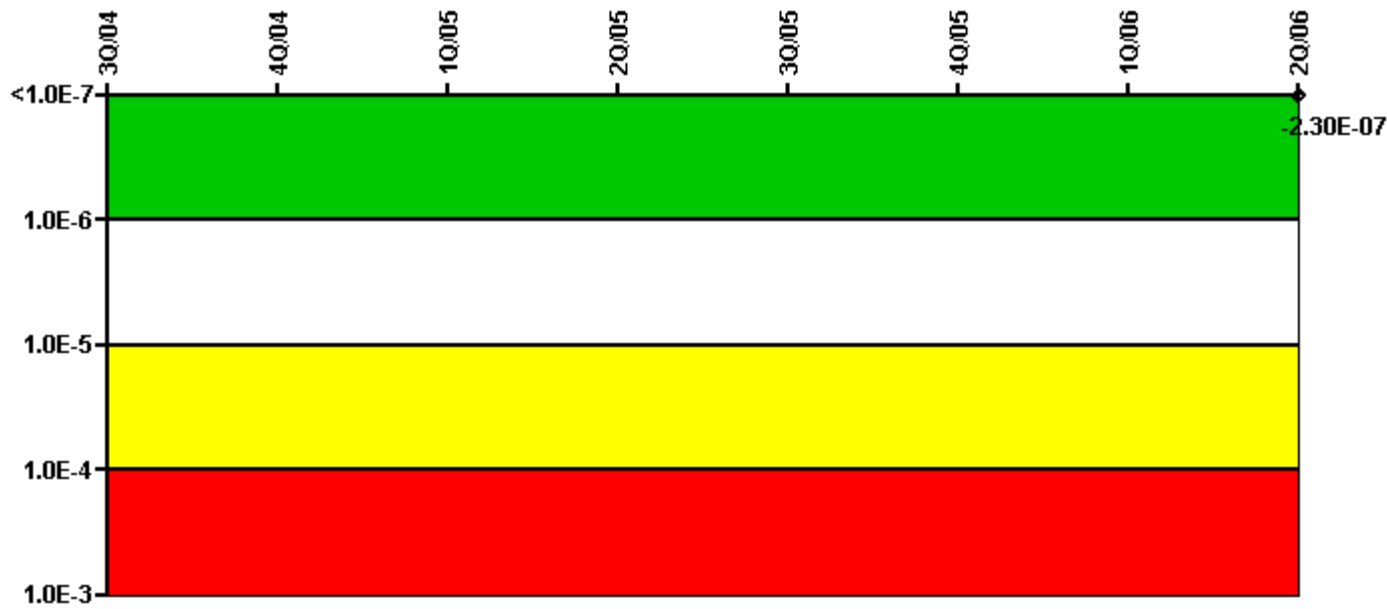
Safety System Functional Failures (PWR)	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Safety System Functional Failures	0	0	0	3	0	0	0	1
Indicator value	0	0	0	3	3	3	3	1

Licensee Comments:

2Q/06: The SSFF for April 2006 is the result of LER 2006-001-00, Potential Loss of Primary Coolant Makeup Function for Postulated Fire Scenario.

1Q/06: On July 7, 2006 Palisades notified the NRC of the cancellation of LER 2005-007-00, Inoperable Emergency Diesel Generator for a Time Longer than Permitted by Technical Specifications. LER 2005-007-00 was recorded as a safety system function failure in January 2006. Since the LER has been cancelled the January 2006 safety system function failure has been removed.

Mitigating Systems Performance Index, Emergency AC Power System



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

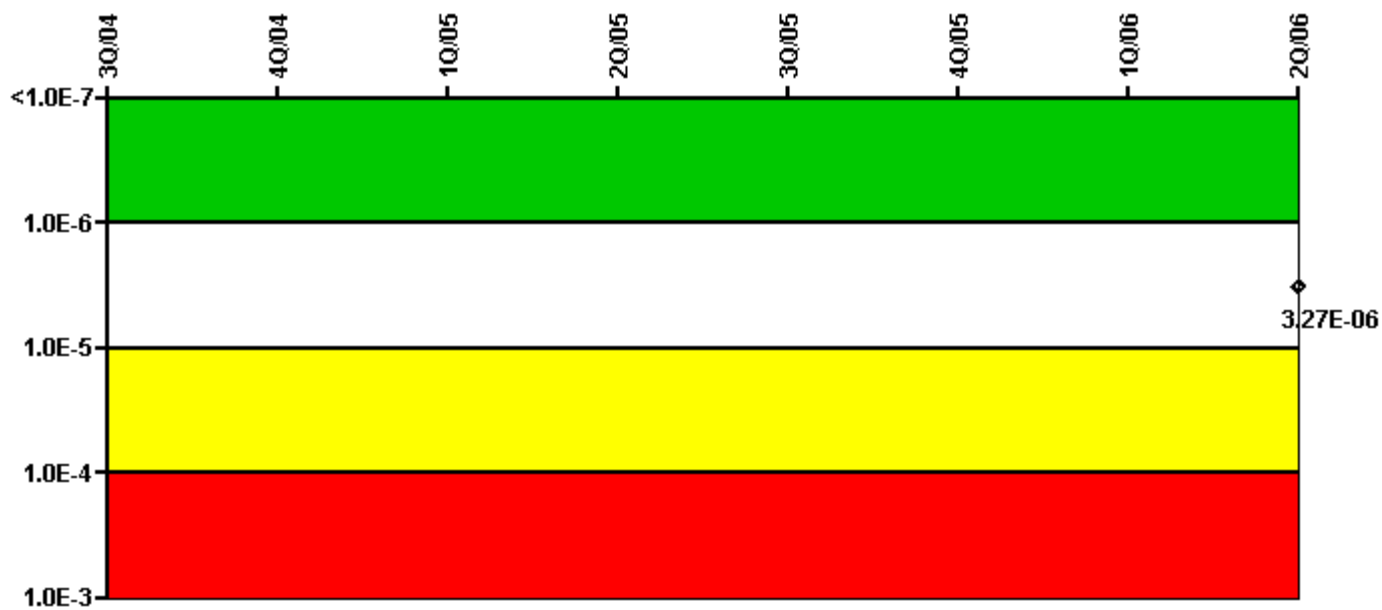
Notes

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)								2.20E-07
URI (ΔCDF)								-4.50E-07
PLE								NO
Indicator value								-2.30E-07

Licensee Comments:

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

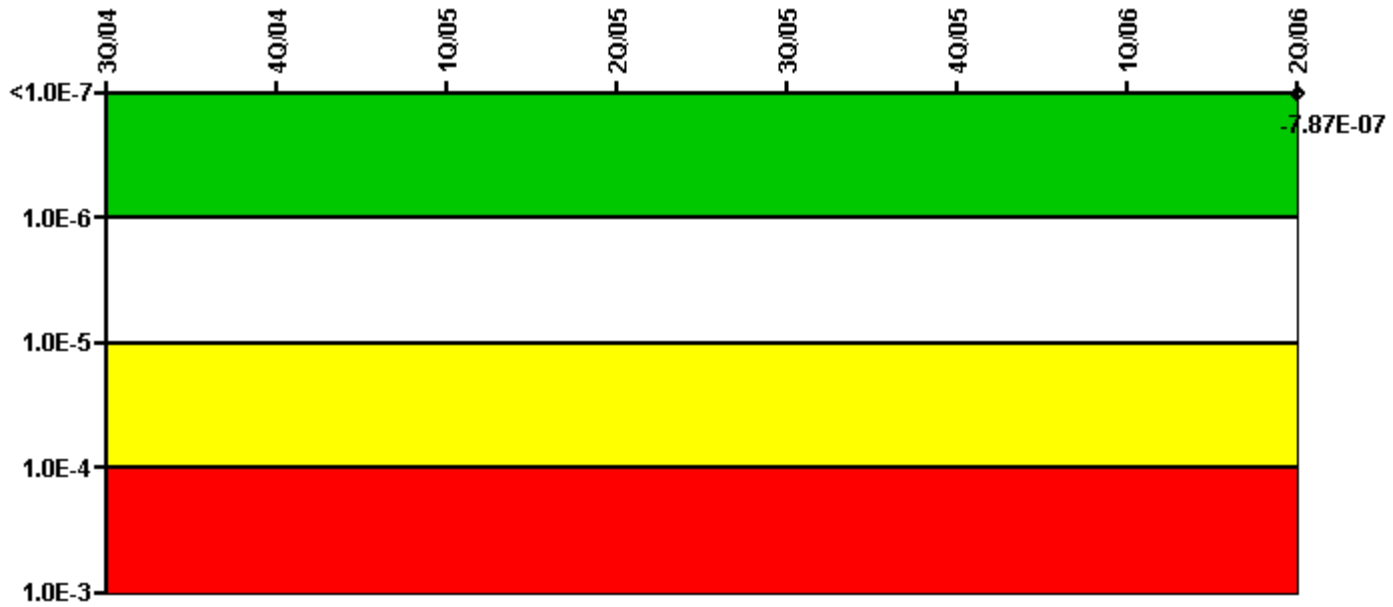
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (Δ CDF)								4.70E-07
URI (Δ CDF)								2.80E-06
PLE								NO
Indicator value								3.27E-06

Licensee Comments:

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, Heat Removal System



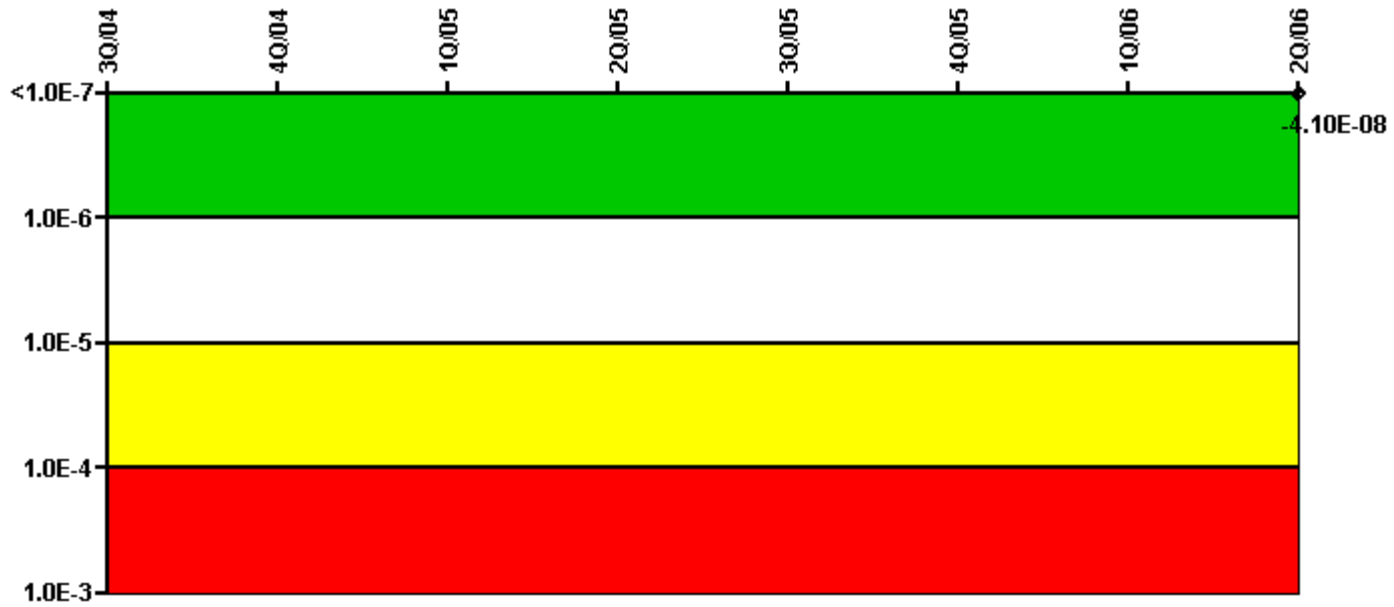
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								-4.70E-08
URI (ΔCDF)								-7.40E-07
PLE								NO
Indicator value								-7.87E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



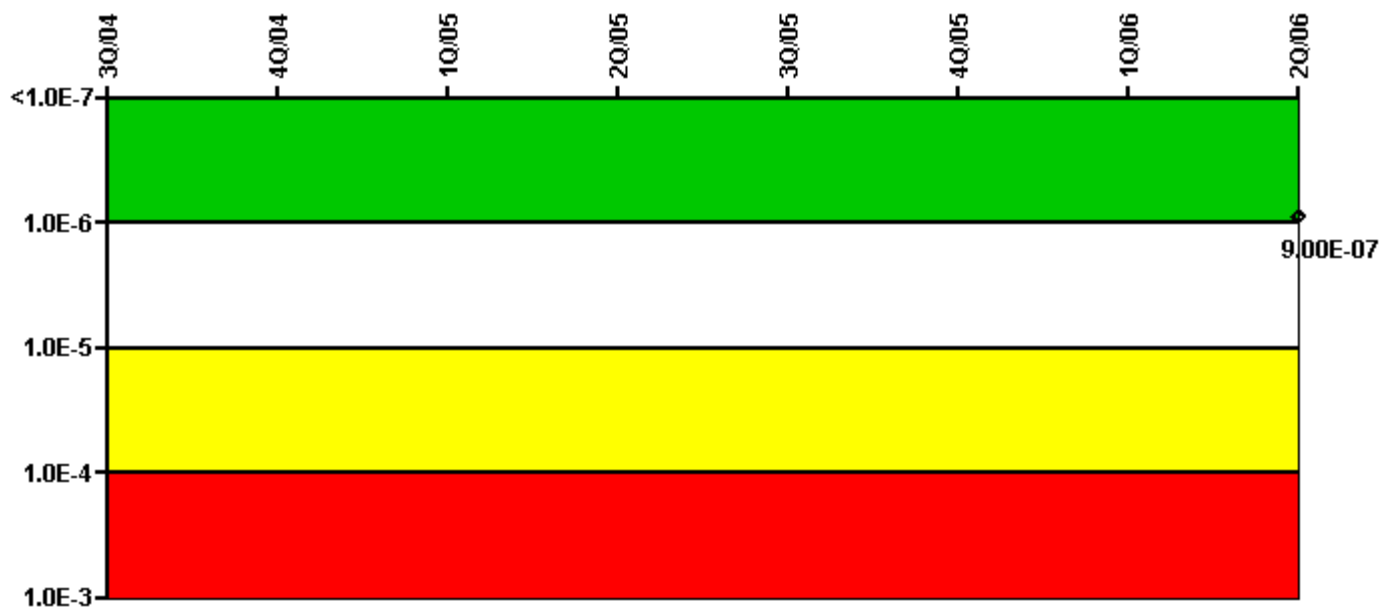
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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 (Δ CDF)								1.20E-08
URI (Δ CDF)								-5.30E-08
PLE								NO
Indicator value								-4.10E-08

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



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

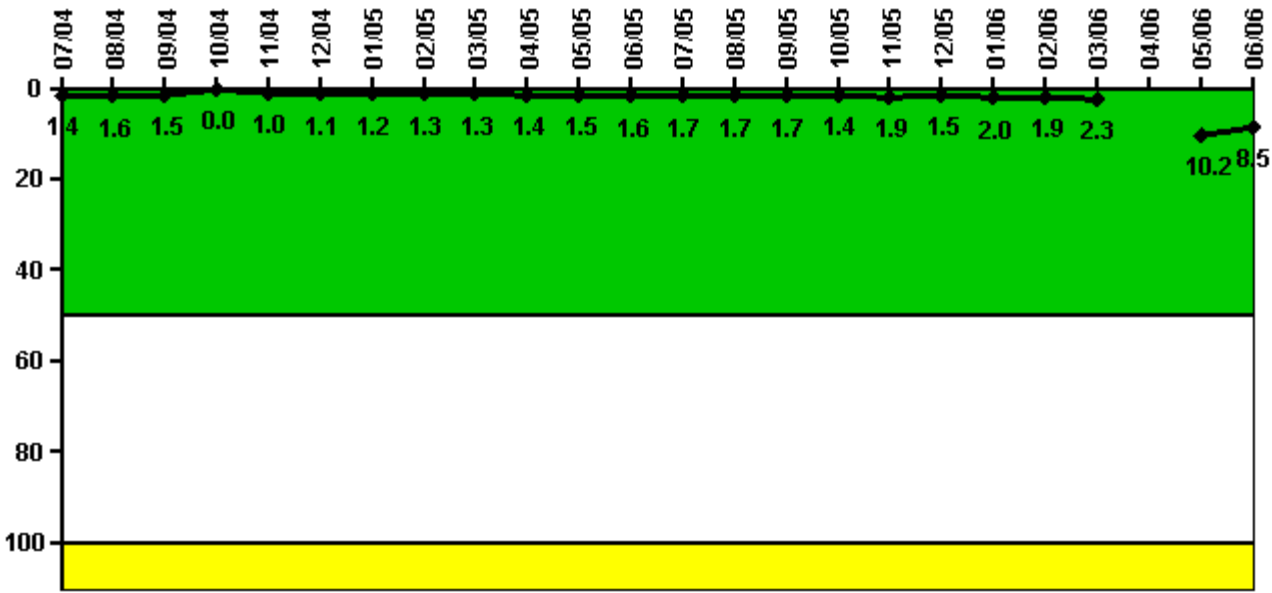
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
UAI (ΔCDF)								5.00E-08
URI (ΔCDF)								8.50E-07
PLE								NO
Indicator value								9.00E-07

Licensee Comments:

2Q/06: Risk Cap Invoked.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

Notes

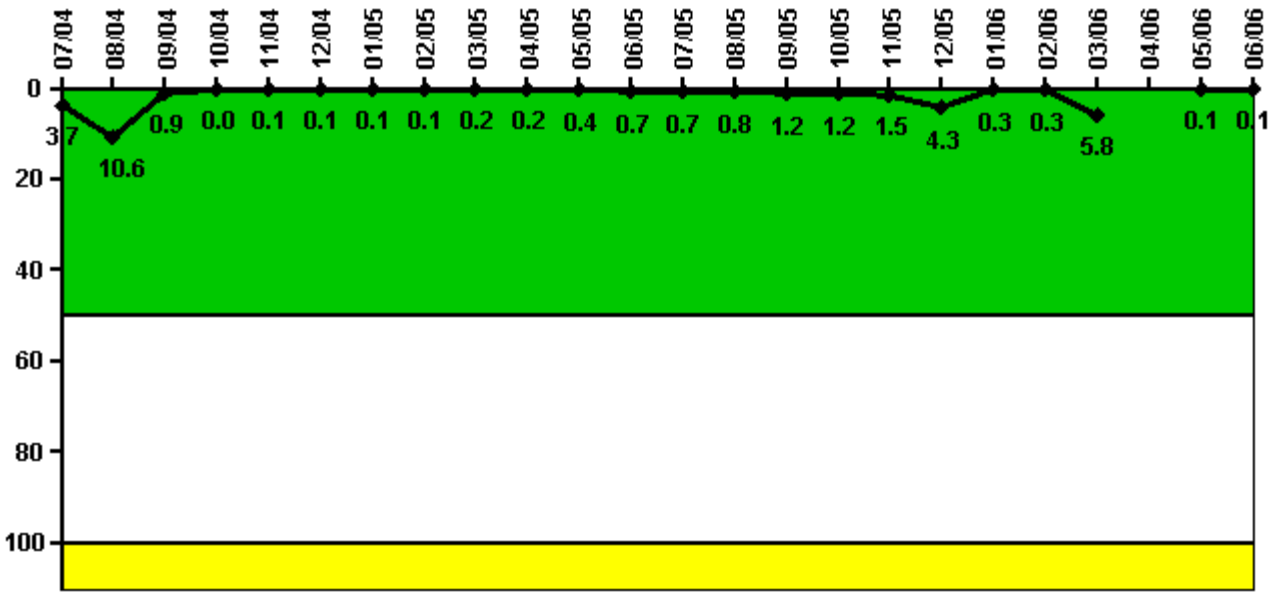
Reactor Coolant System Activity	7/04	8/04	9/04	10/04	11/04	12/04	1/05	2/05	3/05	4/05	5/05	6/05
Maximum activity	0.014000	0.016000	0.015000	0.000003	0.010100	0.011100	0.012300	0.012600	0.013100	0.014300	0.015200	0.015900
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	1.4	1.6	1.5	0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6

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	0.017400	0.017300	0.017100	0.013800	0.018600	0.014500	0.020000	0.019200	0.022700	N/A	0.102000	0.084600
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	1.7	1.7	1.7	1.4	1.9	1.5	2.0	1.9	2.3	N/A	10.2	8.5

Licensee Comments:

6/06: The plant was shutdown for refueling for the essentially entire month

Reactor Coolant System Leakage



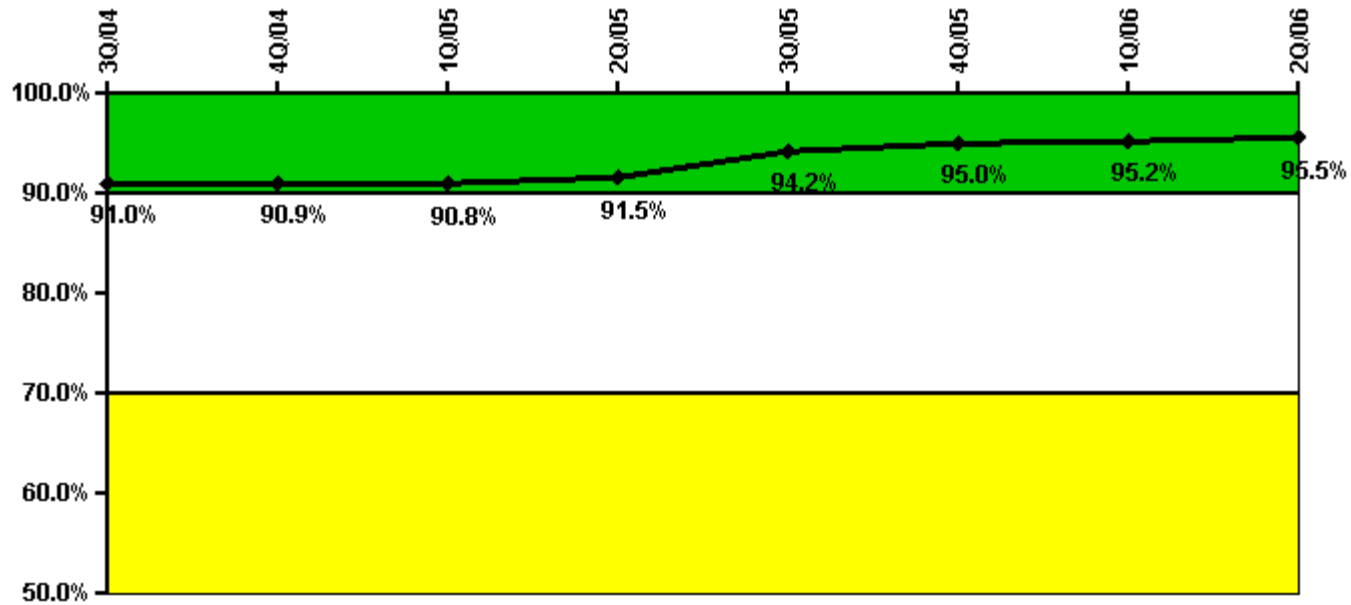
Thresholds: White > 50.0 Yellow > 100.0

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	0.370	1.057	0.085	0	0.005	0.011	0.011	0.008	0.020	0.016	0.040	0.066
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	3.7	10.6	0.9	0	0.1	0.1	0.1	0.1	0.2	0.2	0.4	0.7
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	0.066	0.079	0.120	0.119	0.148	0.429	0.026	0.033	0.581	N/A	0.013	0.013
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	0.7	0.8	1.2	1.2	1.5	4.3	0.3	0.3	5.8	N/A	0.1	0.1

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

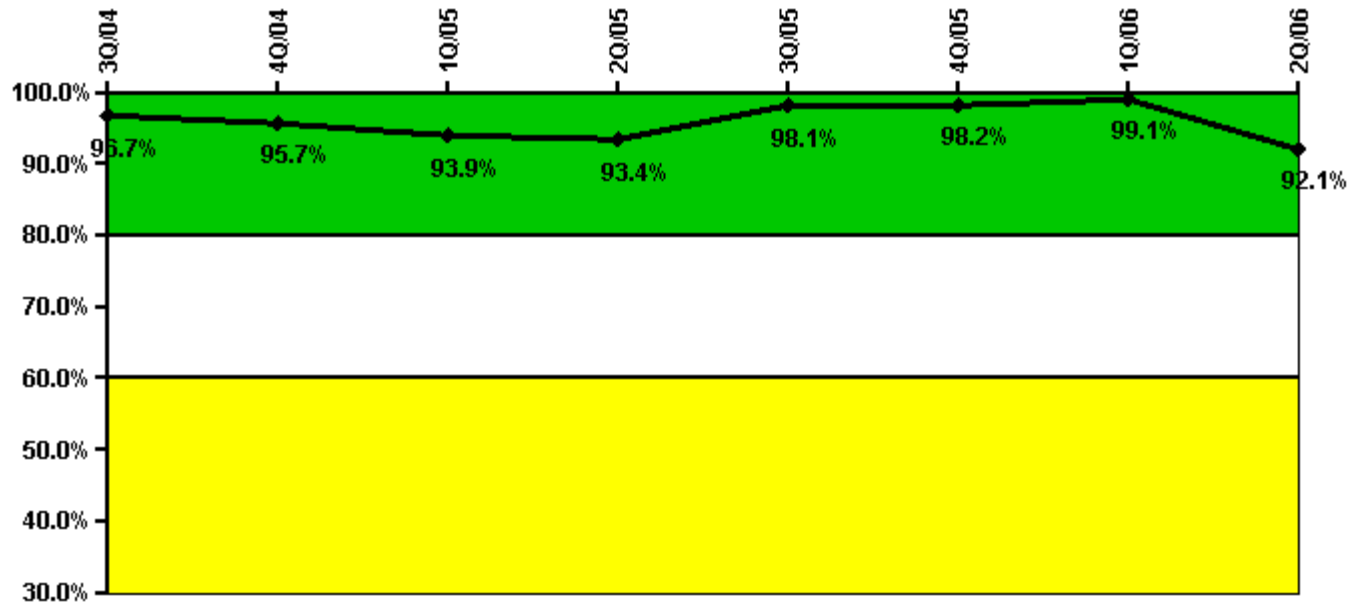
Notes

Drill/Exercise Performance	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful opportunities	24.0	11.0	85.0	75.0	82.0	12.0	96.0	36.0
Total opportunities	29.0	12.0	91.0	78.0	82.0	12.0	101.0	36.0
Indicator value	91.0%	90.9%	90.8%	91.5%	94.2%	95.0%	95.2%	95.5%

Licensee Comments:

1Q/06: The data entry in January 2006 was transposed and identified 38 successes out of 33 total opportunities. This has been corrected to be 33 successes out of 38 total opportunities.

ERO Drill Participation



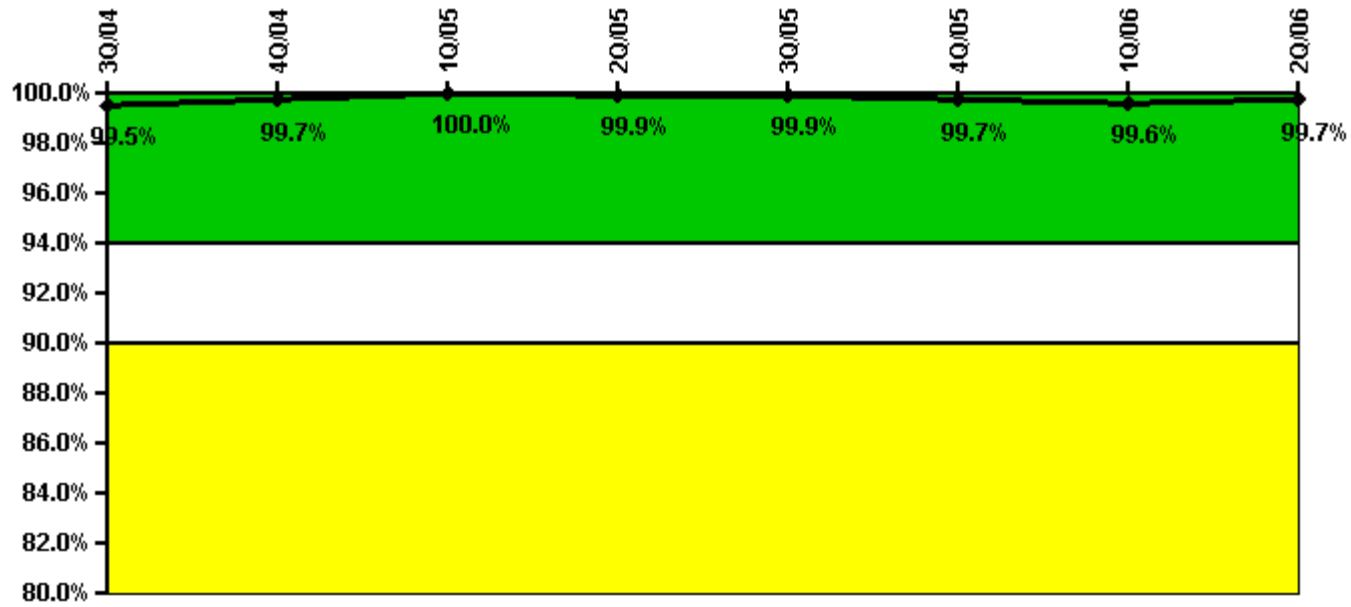
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Participating Key personnel	89.0	88.0	92.0	99.0	106.0	107.0	114.0	105.0
Total Key personnel	92.0	92.0	98.0	106.0	108.0	109.0	115.0	114.0
Indicator value	96.7%	95.7%	93.9%	93.4%	98.1%	98.2%	99.1%	92.1%

Licensee Comments: none

Alert & Notification System



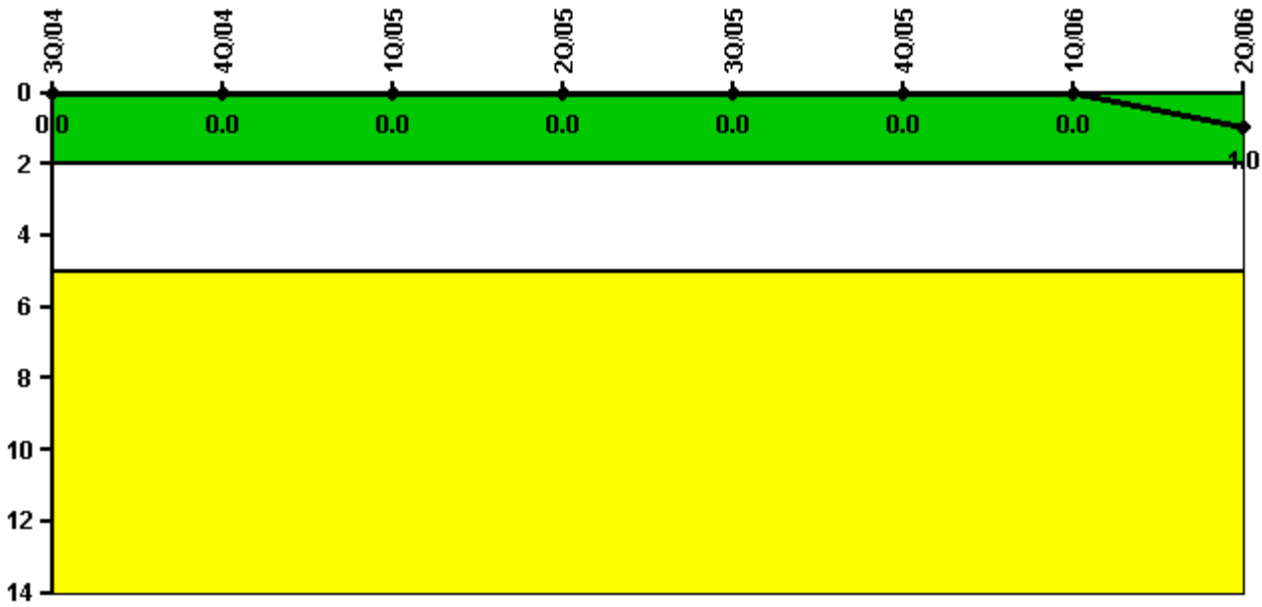
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/04	4Q/04	1Q/05	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06
Successful siren-tests	183	183	183	182	183	182	182	183
Total sirens-tests	183	183	183	183	183	183	183	183
Indicator value	99.5%	99.7%	100.0%	99.9%	99.9%	99.7%	99.6%	99.7%

Licensee Comments: none

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	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	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

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

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

Last Modified: August 2, 2006