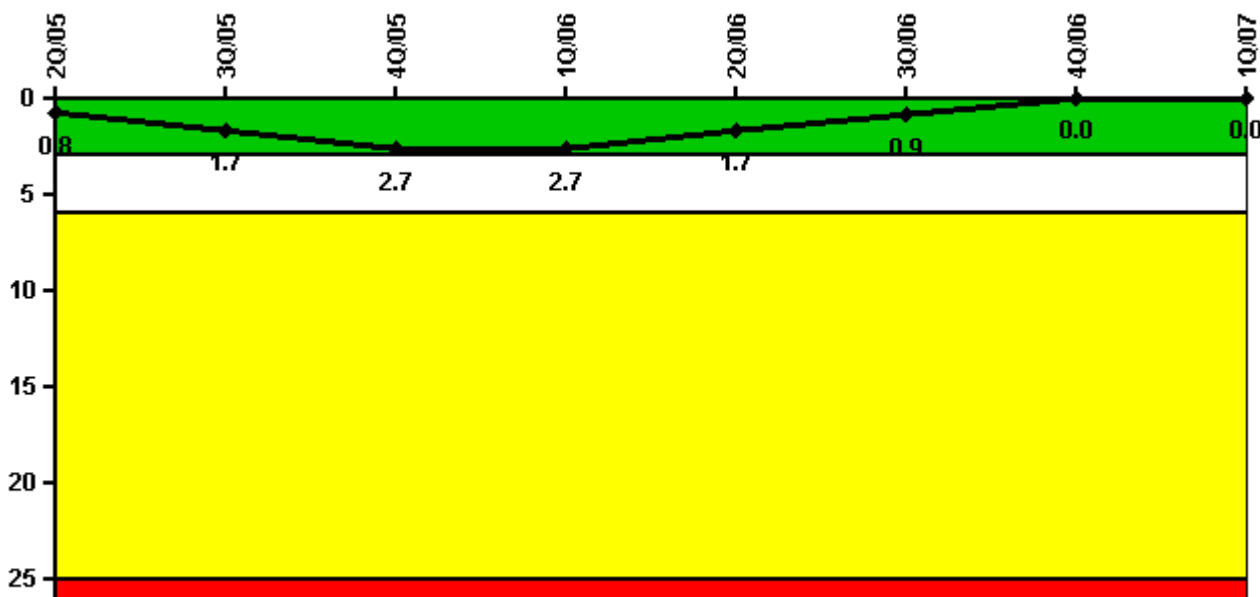


# Millstone 3

## 1Q/2007 Performance Indicators

Licensee's General Comments: MS06 - Revised the baseline unavailability for the Emergency Diesel Generators to account for overhauls. MS07 - Changed PRA parameter(s). Adjusted demand estimated based on change of greater than 25%.

### Unplanned Scrams per 7000 Critical Hrs



Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### 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	1.0	1.0	0	0	0	0	0
Critical hours	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3
Indicator value	0.8	1.7	2.7	2.7	1.7	0.9	0	0

Licensee Comments: none

# Scrams with Loss of Normal Heat Removal



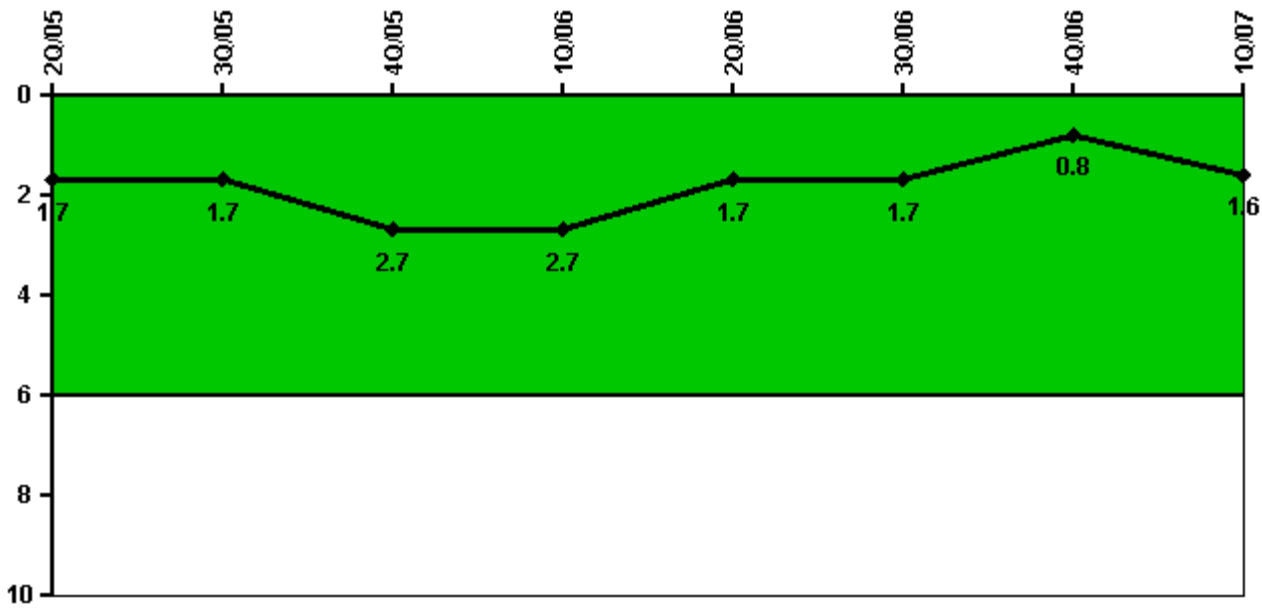
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

## Notes

Scrams with Loss of Normal Heat Removal	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Scrams	1.0	1.0	0	0	0	0	0	0
Indicator value	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments: none

## Unplanned Power Changes per 7000 Critical Hrs



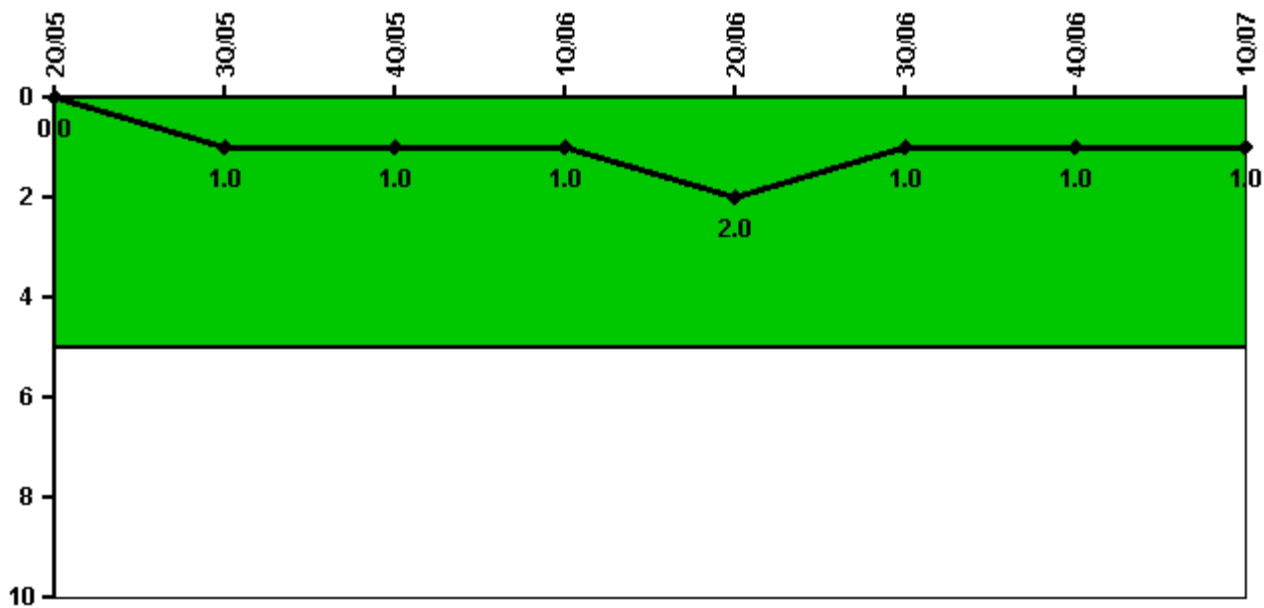
Thresholds: White > 6.0

### Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	1.0	0	2.0	0	0	0	1.0	1.0
Critical hours	1875.9	2173.2	1510.5	2160.0	2183.0	2208.0	2209.0	2128.3
<b>Indicator value</b>	<b>1.7</b>	<b>1.7</b>	<b>2.7</b>	<b>2.7</b>	<b>1.7</b>	<b>1.7</b>	<b>0.8</b>	<b>1.6</b>

Licensee Comments: none

## Safety System Functional Failures (PWR)



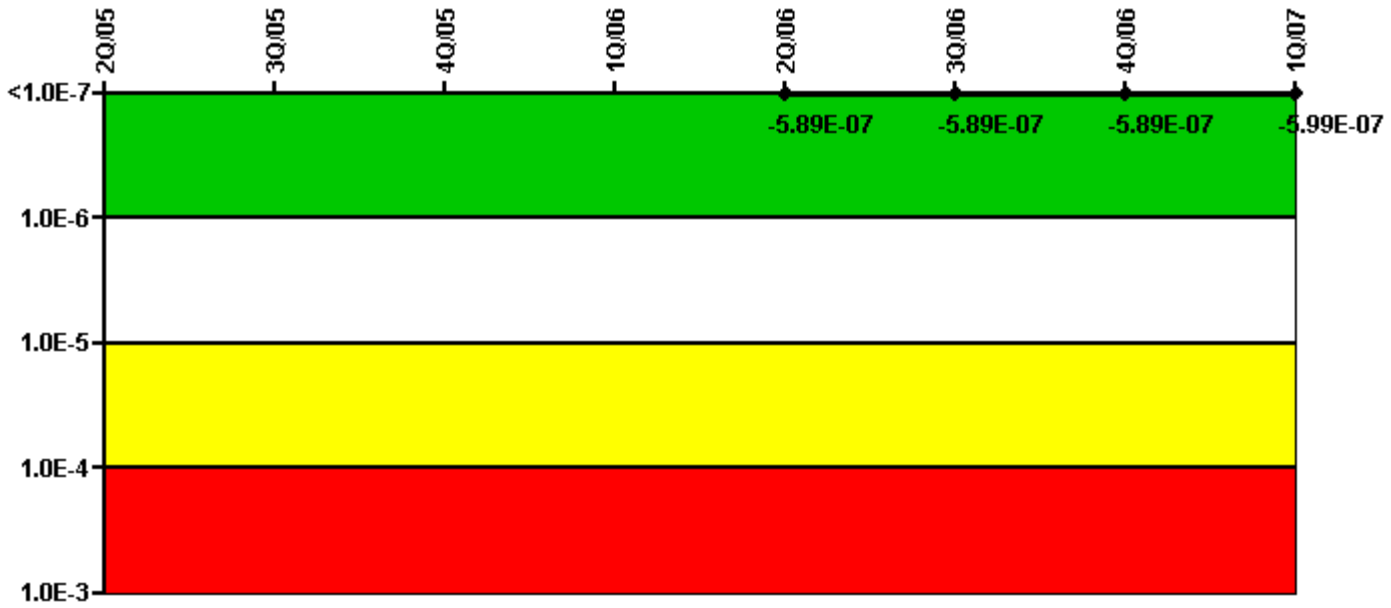
Thresholds: White > 5.0

### Notes

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

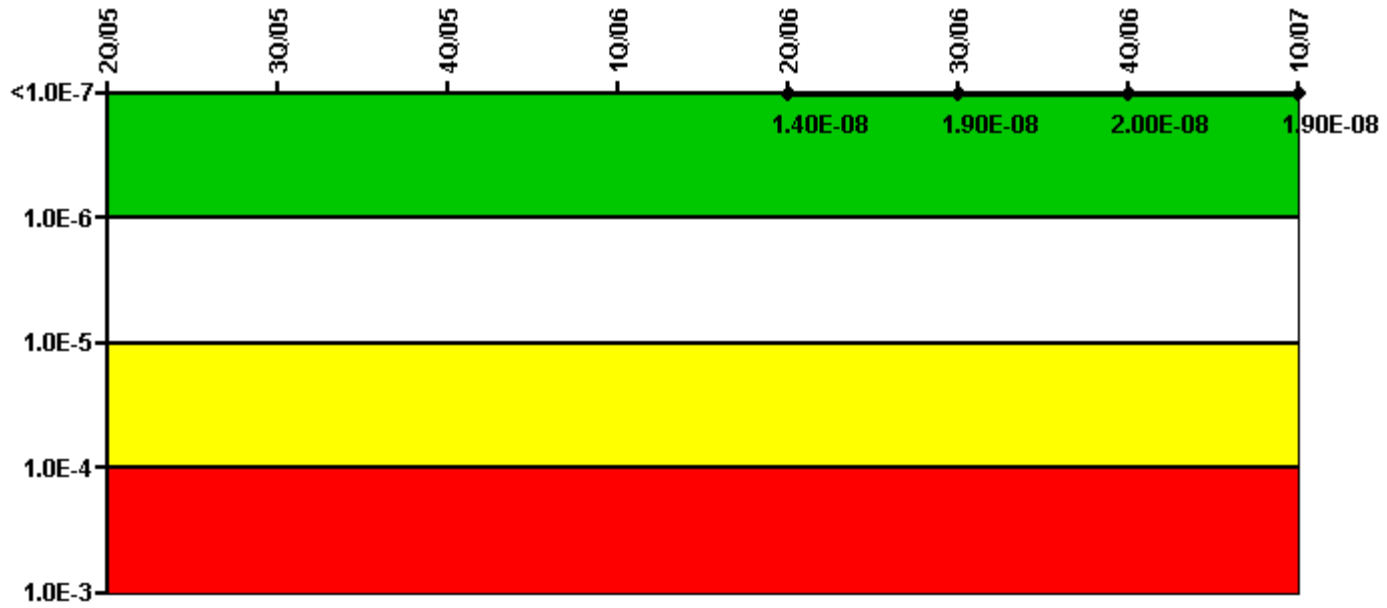
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI ( $\Delta$ CDF)					4.10E-08	4.10E-08	4.10E-08	4.10E-08
URI ( $\Delta$ CDF)					-6.30E-07	-6.30E-07	-6.30E-07	-6.40E-07
PLE					NO	NO	NO	NO
Indicator value					-5.89E-07	-5.89E-07	-5.89E-07	-5.99E-07

Licensee Comments:

1Q/07: Adjusted baseline unavailability based on diesel overhauls.

# 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 ( $\Delta$ CDF)					2.50E-08	3.00E-08	3.10E-08	3.00E-08
URI ( $\Delta$ CDF)					-1.10E-08	-1.10E-08	-1.10E-08	-1.10E-08
PLE					NO	NO	NO	NO
Indicator value					1.40E-08	1.90E-08	2.00E-08	1.90E-08

Licensee Comments:

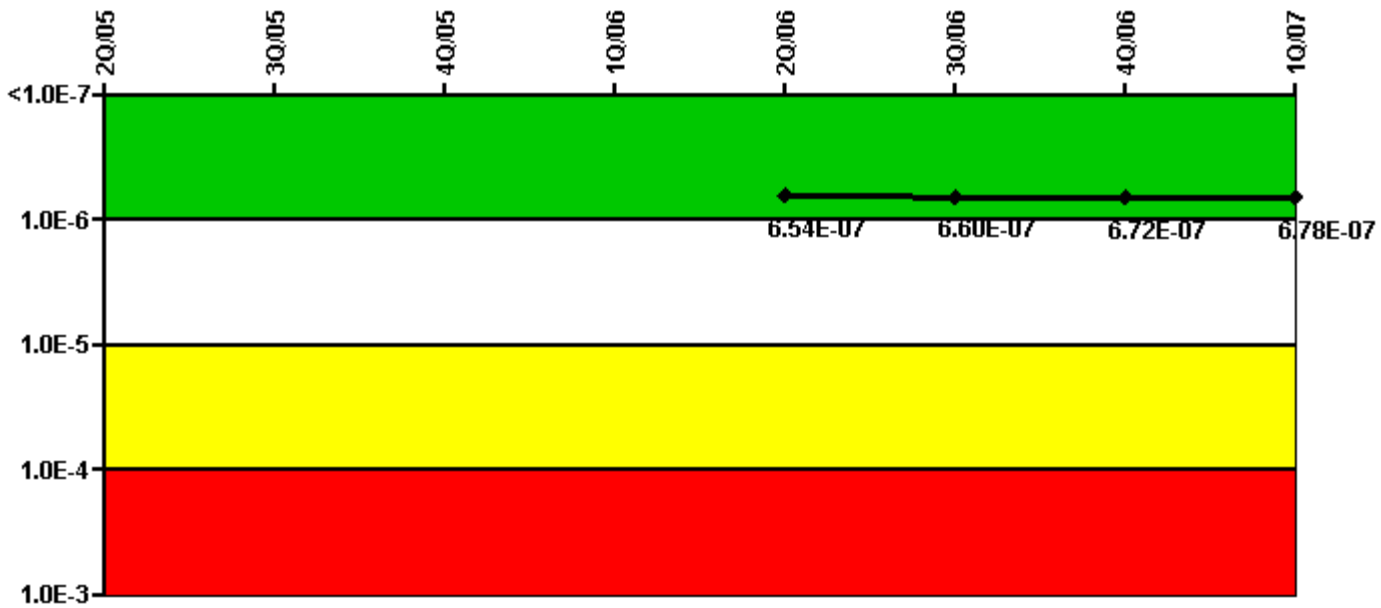
1Q/07: Changed PRA Parameter(s). Adjusted demand estimates based on change of greater than 25%.

4Q/06: Changed PRA Parameter(s).

3Q/06: Changed PRA Parameter(s).

2Q/06: Changed PRA Parameter(s).

# Mitigating Systems Performance Index, Heat Removal System



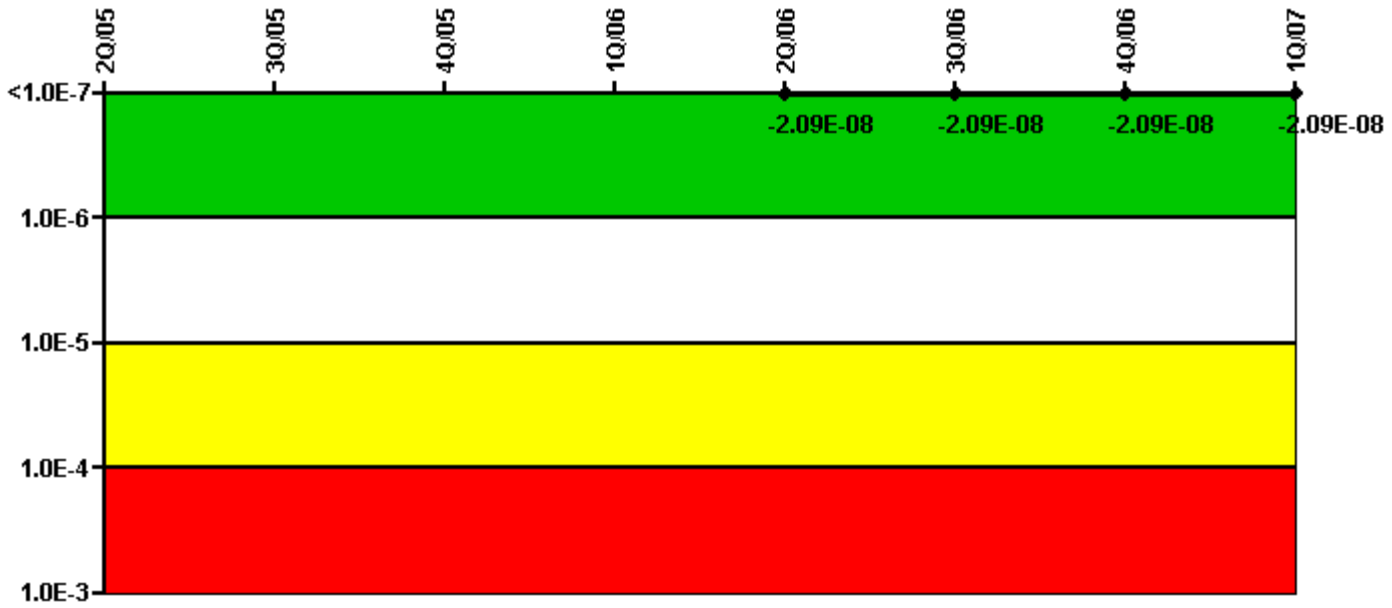
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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 ( $\Delta$ CDF)					3.40E-08	3.00E-08	4.20E-08	4.80E-08
URI ( $\Delta$ CDF)					6.20E-07	6.30E-07	6.30E-07	6.30E-07
PLE					NO	NO	NO	NO
Indicator value					6.54E-07	6.60E-07	6.72E-07	6.78E-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

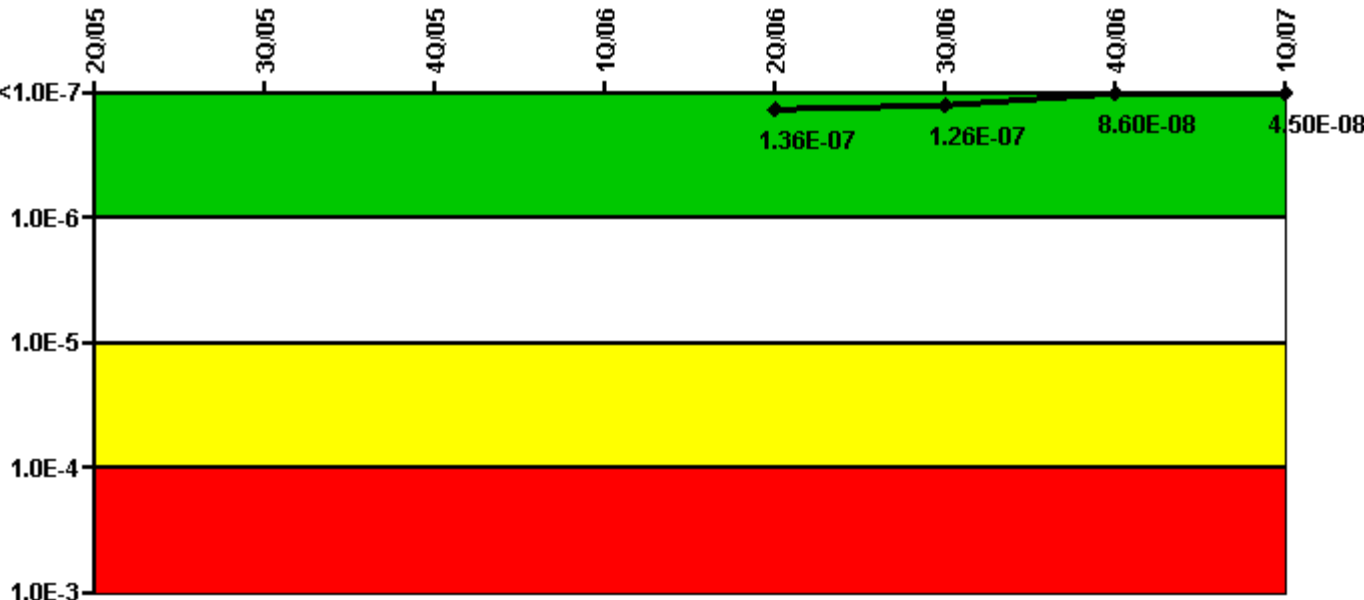
## Notes

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 ( $\Delta$ CDF)					7.40E-11	7.40E-11	7.40E-11	9.50E-11
URI ( $\Delta$ CDF)					-2.10E-08	-2.10E-08	-2.10E-08	-2.10E-08
PLE					NO	NO	NO	NO
Indicator value					-2.09E-08	-2.09E-08	-2.09E-08	-2.09E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



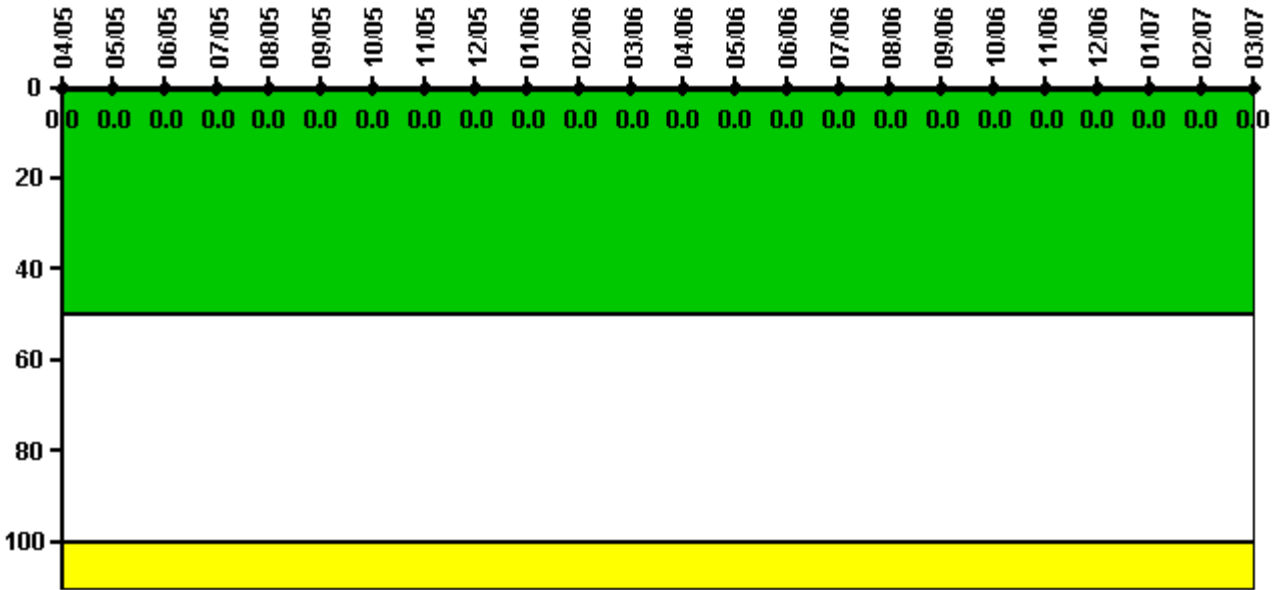
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)					1.60E-07	1.50E-07	1.10E-07	6.90E-08
URI (ΔCDF)					-2.40E-08	-2.40E-08	-2.40E-08	-2.40E-08
PLE					NO	NO	NO	NO
Indicator value					1.36E-07	1.26E-07	8.60E-08	4.50E-08

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

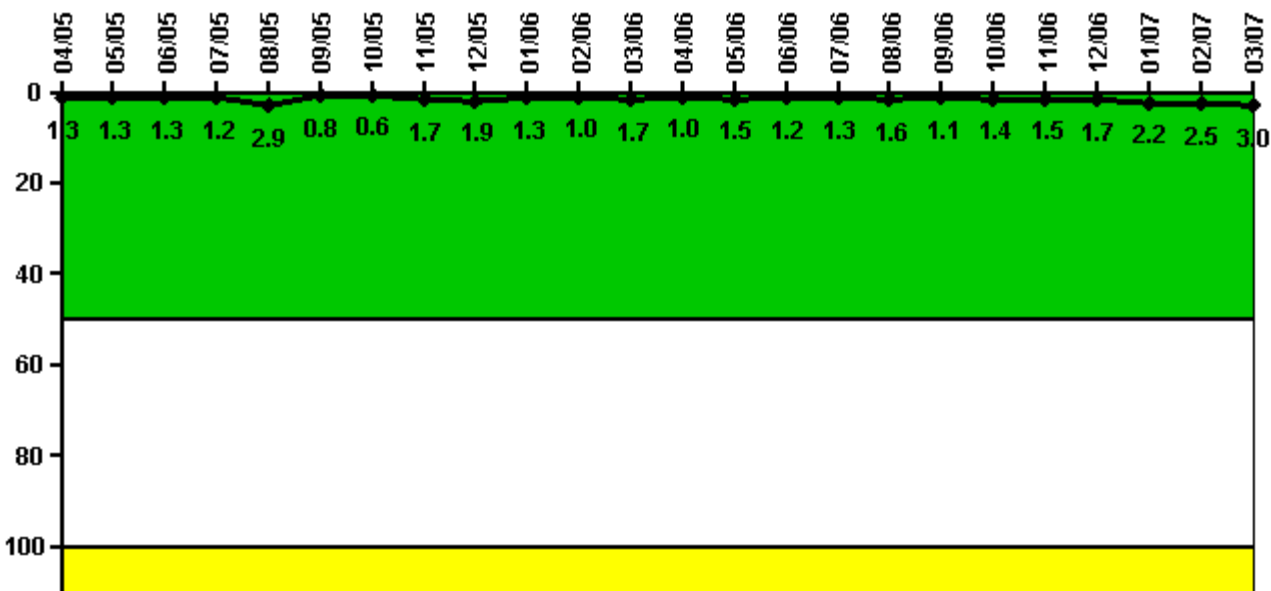
Reactor Coolant System Activity	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum activity	0.000214	0.000221	0.000220	0.000230	0.000233	0.000236	0.000174	0.000144	0.000144	0.000151	0.000164	0.000166
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	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	0.000166	0.000174	0.000177	0.000186	0.000191	0.000197	0.000215	0.000204	0.000195	0.000202	0.000279	0.000358
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	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

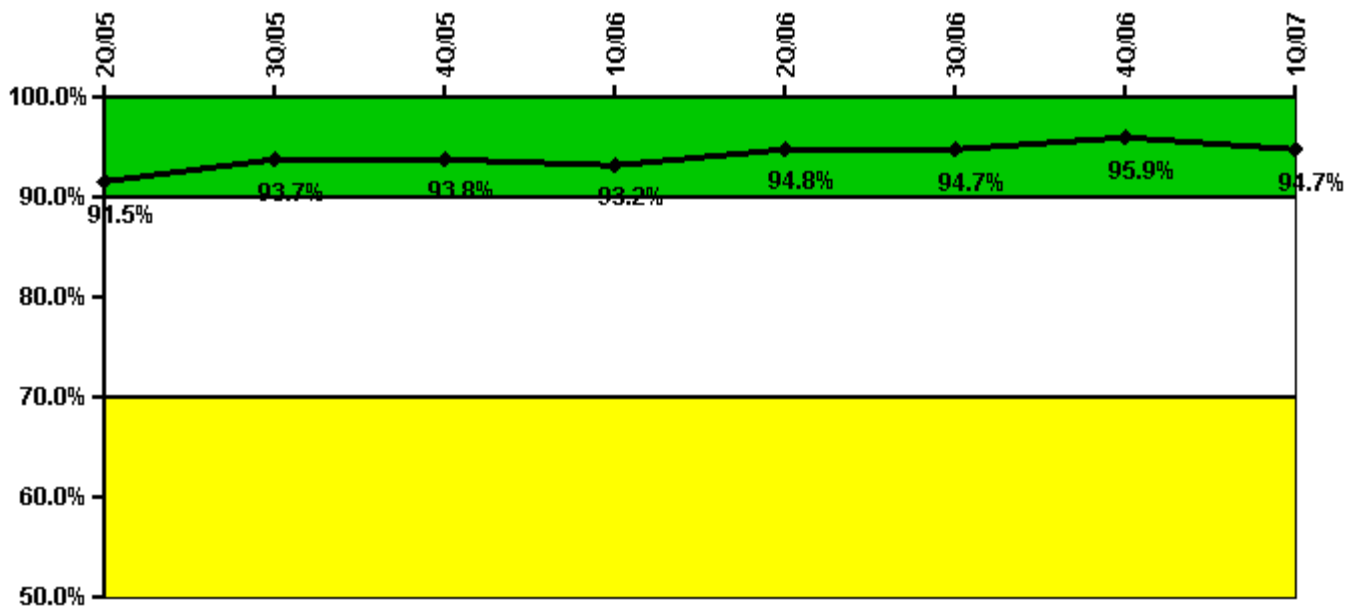
Reactor Coolant System Leakage	4/05	5/05	6/05	7/05	8/05	9/05	10/05	11/05	12/05	1/06	2/06	3/06
Maximum leakage	0.132	0.131	0.130	0.124	0.287	0.083	0.061	0.166	0.186	0.133	0.097	0.168
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	1.3	1.3	1.3	1.2	2.9	0.8	0.6	1.7	1.9	1.3	1.0	1.7

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	0.096	0.153	0.122	0.125	0.159	0.114	0.140	0.154	0.174	0.222	0.253	0.302
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	1.0	1.5	1.2	1.3	1.6	1.1	1.4	1.5	1.7	2.2	2.5	3.0

Licensee Comments: none

## Drill/Exercise Performance



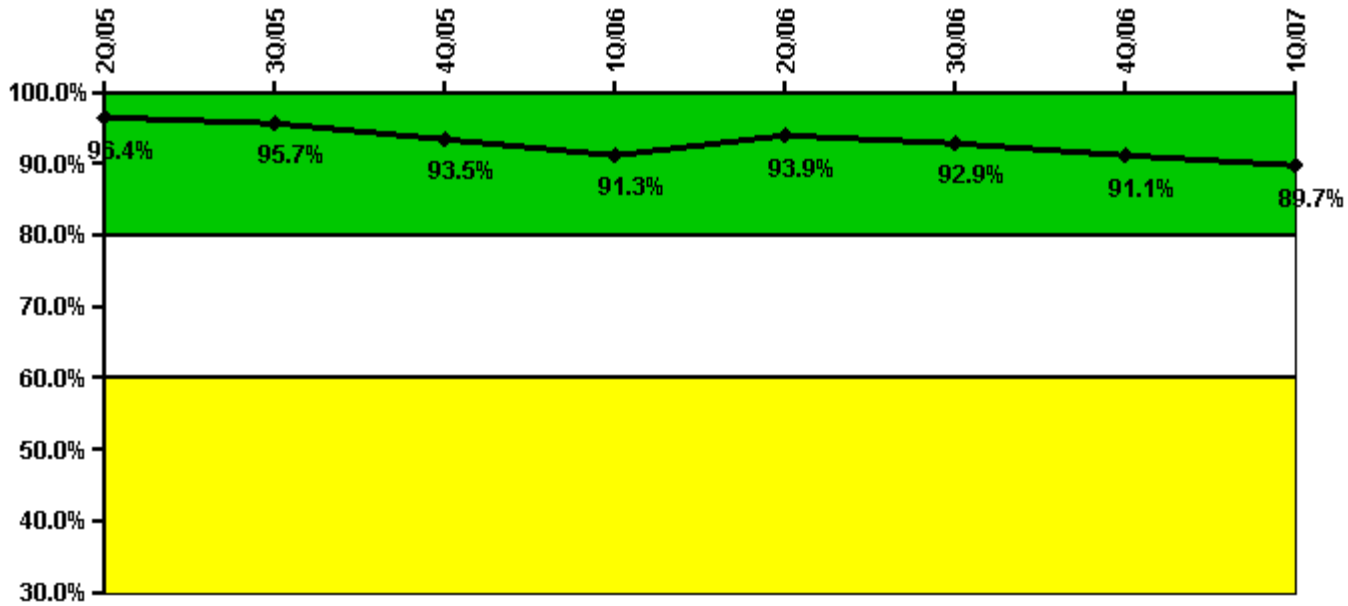
Thresholds: White < 90.0% Yellow < 70.0%

### Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	26.0	67.0	0	17.0	31.0	64.0	0	11.0
Total opportunities	27.0	67.0	0	19.0	32.0	70.0	0	13.0
<b>Indicator value</b>	<b>91.5%</b>	<b>93.7%</b>	<b>93.8%</b>	<b>93.2%</b>	<b>94.8%</b>	<b>94.7%</b>	<b>95.9%</b>	<b>94.7%</b>

Licensee Comments: none

# ERO Drill Participation



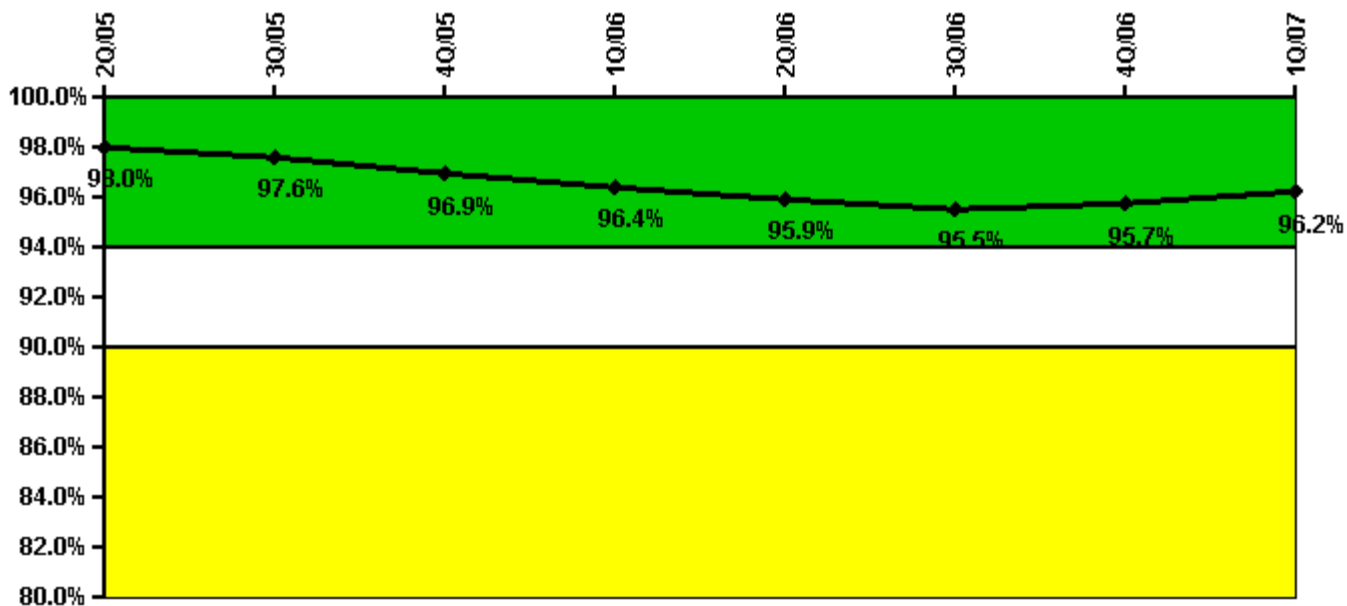
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	132.0	132.0	130.0	136.0	138.0	143.0	133.0	131.0
Total Key personnel	137.0	138.0	139.0	149.0	147.0	154.0	146.0	146.0
Indicator value	96.4%	95.7%	93.5%	91.3%	93.9%	92.9%	91.1%	89.7%

Licensee Comments: none

# Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	312	456	306	306	304	450	310	312
Total sirens-tests	318	477	318	318	318	477	318	318
Indicator value	98.0%	97.6%	96.9%	96.4%	95.9%	95.5%	95.7%	96.2%

Licensee Comments: none

# 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
<b>Indicator value</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	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

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