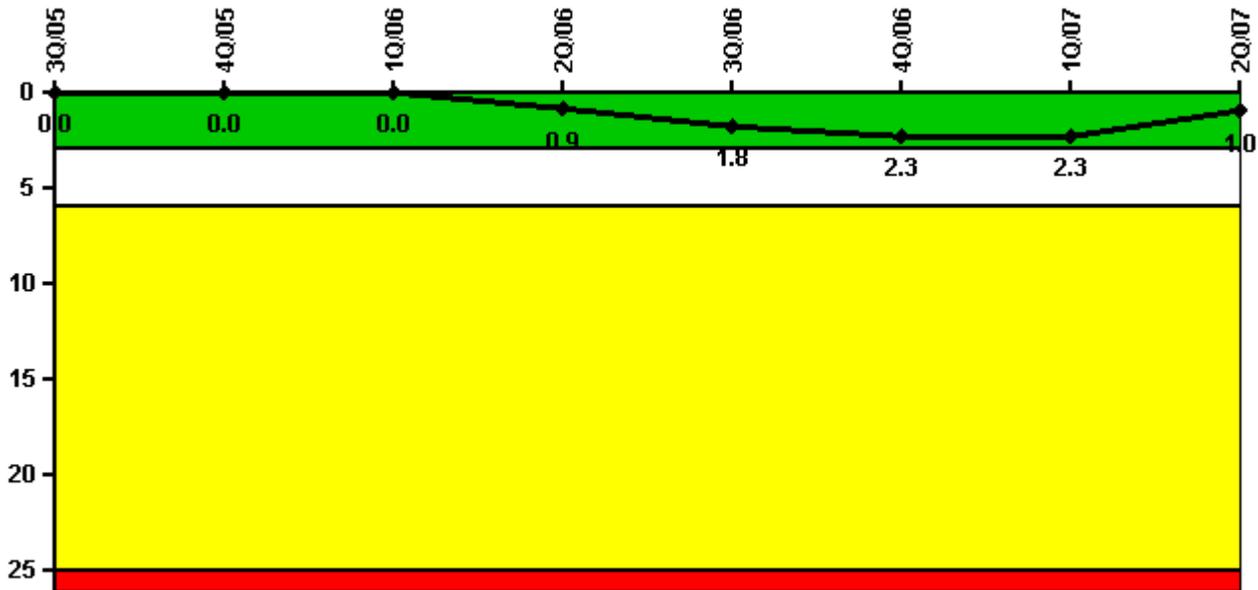


Watts Bar 1

2Q/2007 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



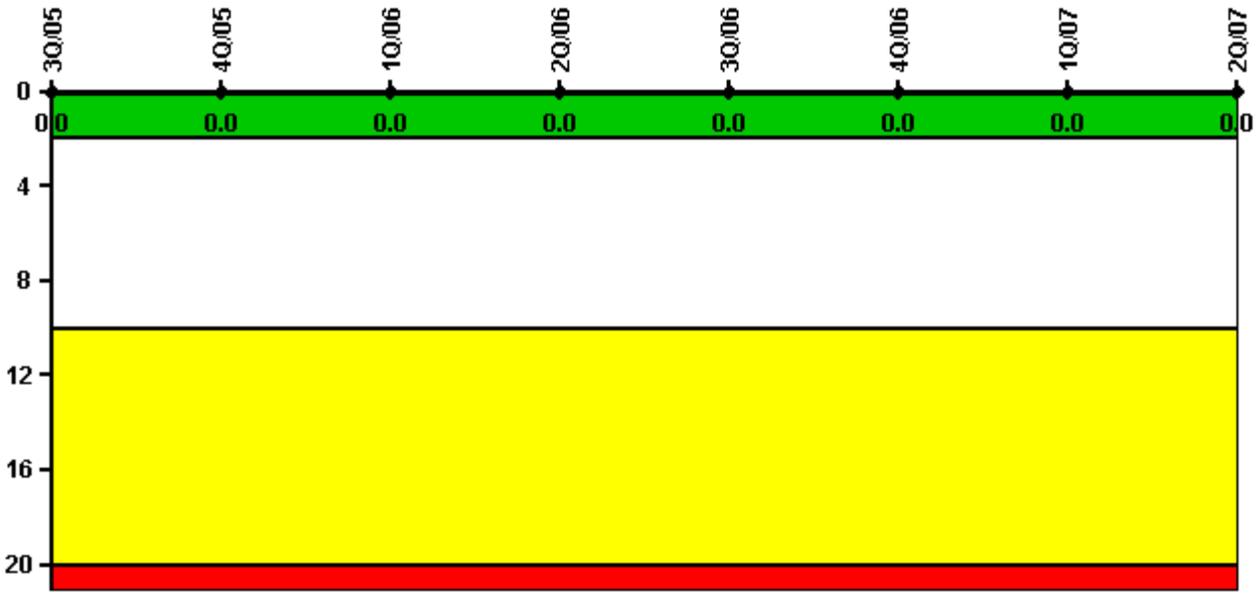
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned scrams	0	0	0	1.0	1.0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1592.1	1639.2	757.3	2159.0	2184.0
Indicator value	0	0	0	0.9	1.8	2.3	2.3	1.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



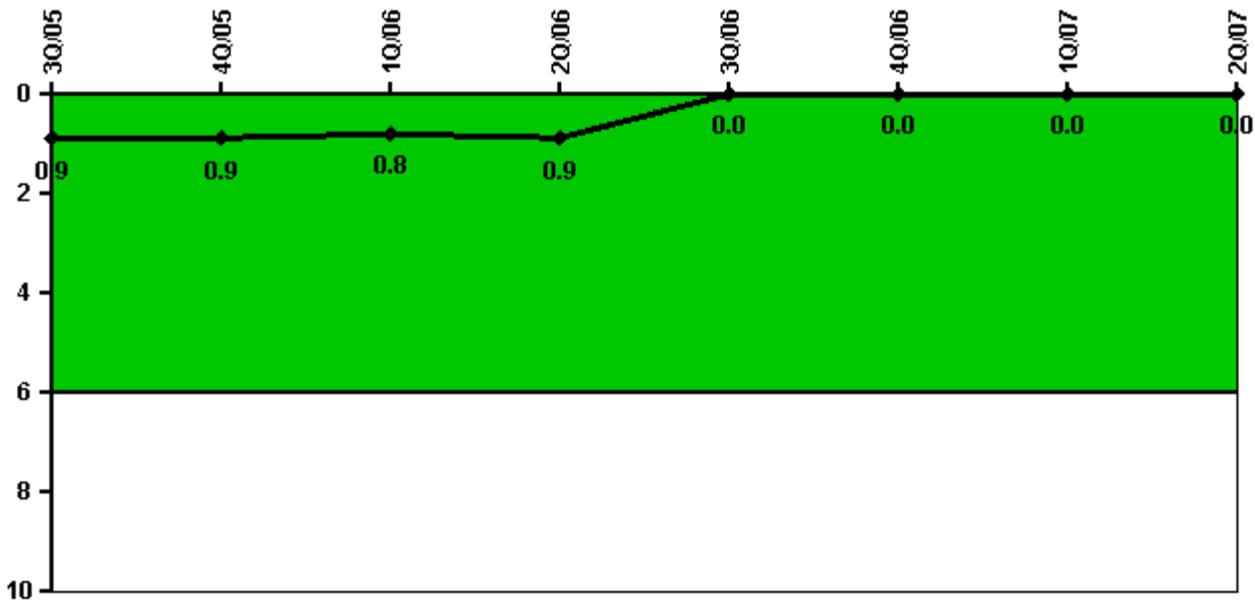
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



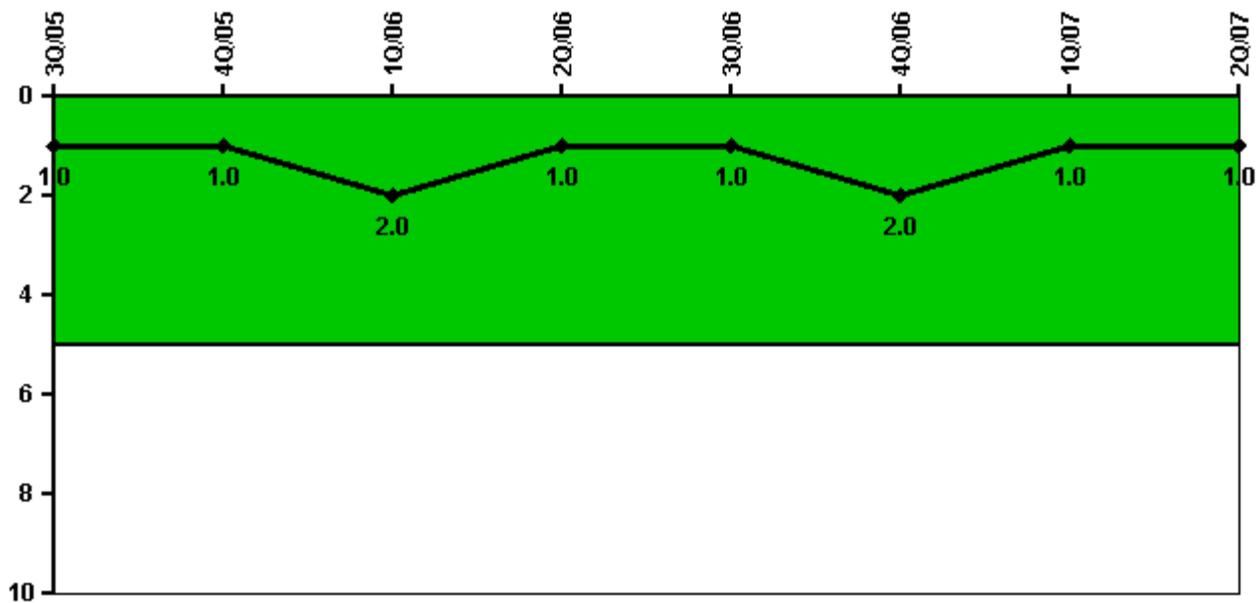
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Unplanned power changes	1.0	0	0	0	0	0	0	0
Critical hours	2208.0	2209.0	2160.0	1592.1	1639.2	757.3	2159.0	2184.0
Indicator value	0.9	0.9	0.8	0.9	0	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



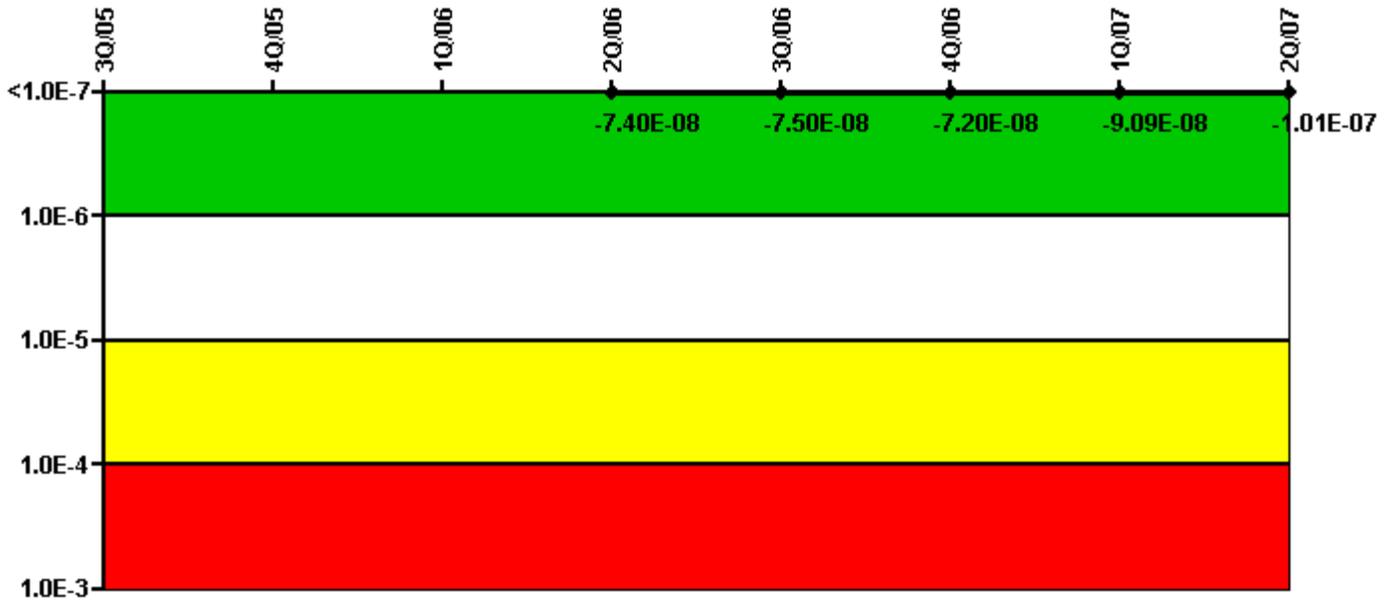
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



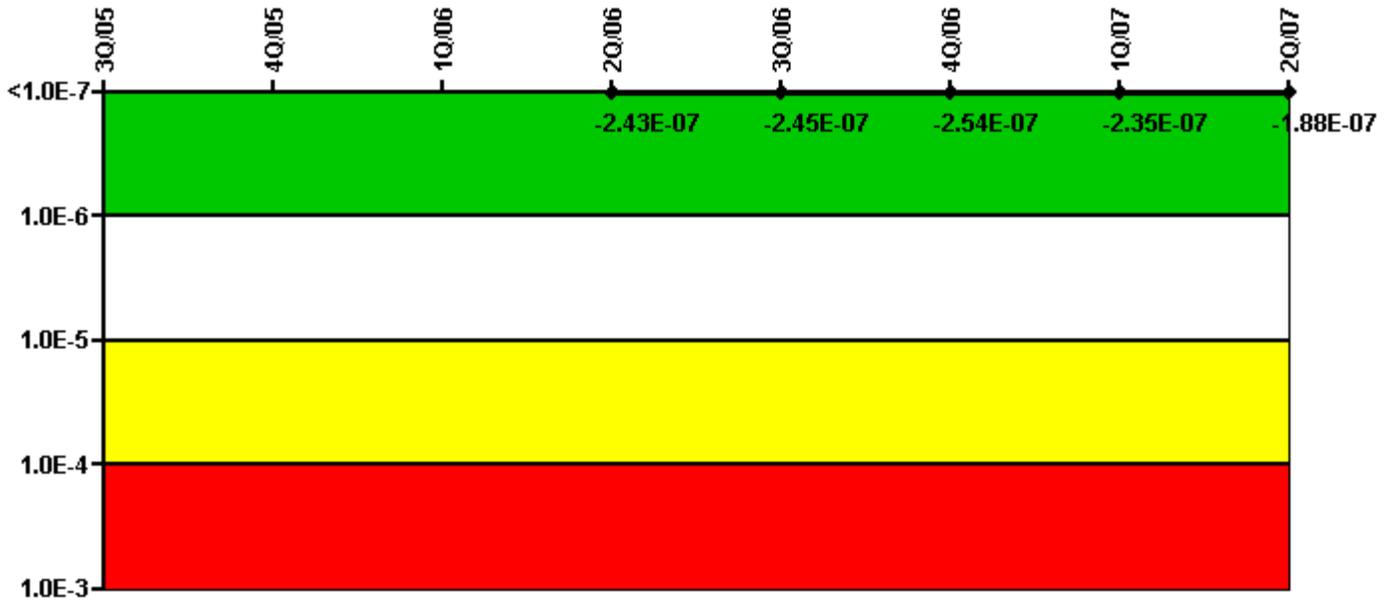
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				1.90E-08	1.80E-08	2.10E-08	2.10E-09	2.90E-08
URI (Δ CDF)				-9.30E-08	-9.30E-08	-9.30E-08	-9.30E-08	-1.30E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-7.40E-08	-7.50E-08	-7.20E-08	-9.09E-08	-1.01E-07

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



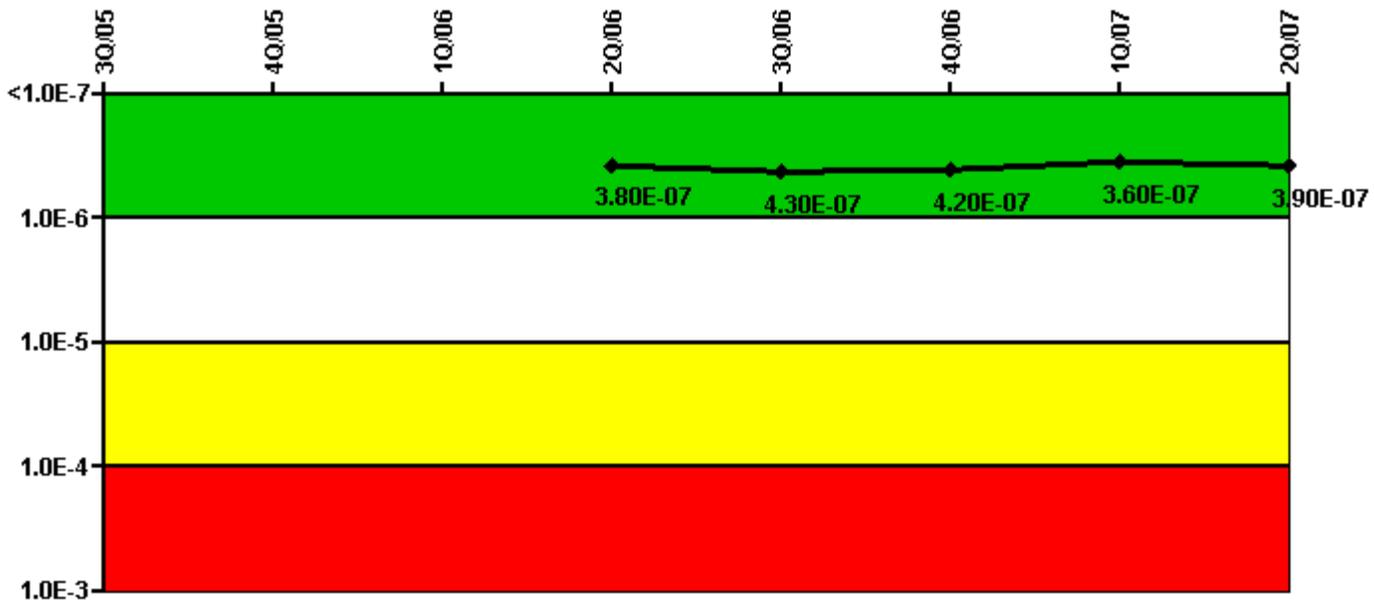
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (Δ CDF)				7.20E-09	4.80E-09	-4.10E-09	1.50E-08	2.20E-08
URI (Δ CDF)				-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07	-2.10E-07
PLE				NO	NO	NO	NO	NO
Indicator value				-2.43E-07	-2.45E-07	-2.54E-07	-2.35E-07	-1.88E-07

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



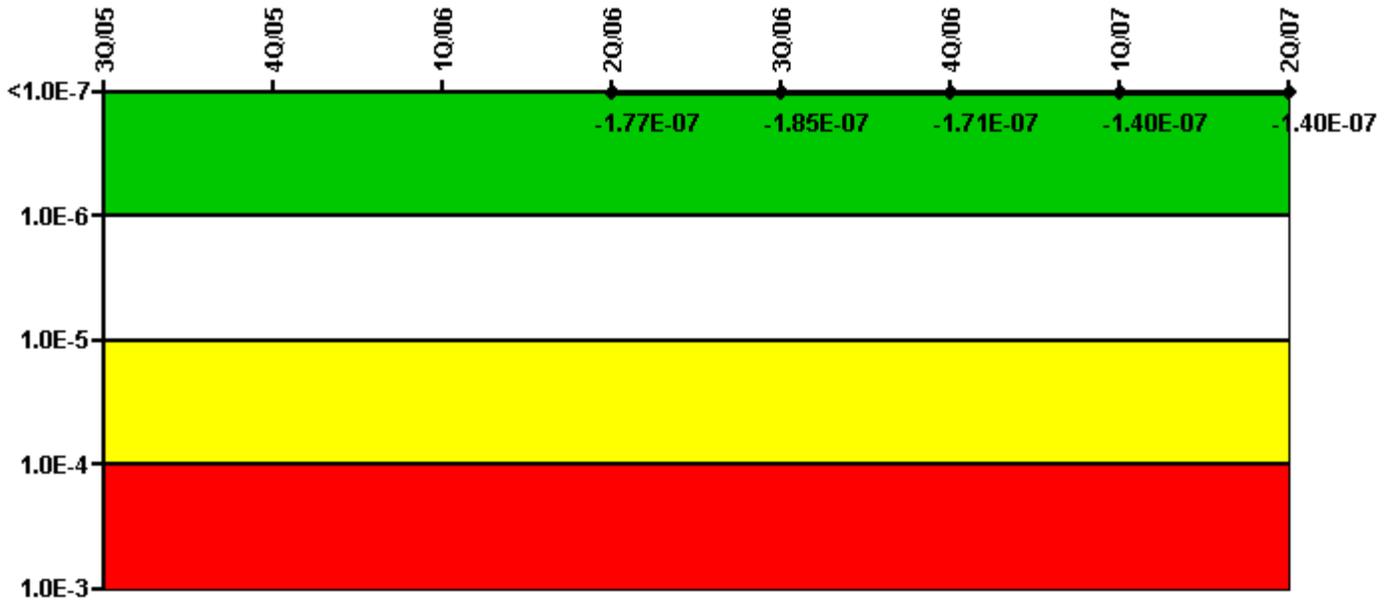
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				2.10E-07	2.60E-07	2.50E-07	1.90E-07	2.20E-07
URI (ΔCDF)				1.70E-07	1.70E-07	1.70E-07	1.70E-07	1.70E-07
PLE				NO	NO	NO	NO	NO
Indicator value				3.80E-07	4.30E-07	4.20E-07	3.60E-07	3.90E-07

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



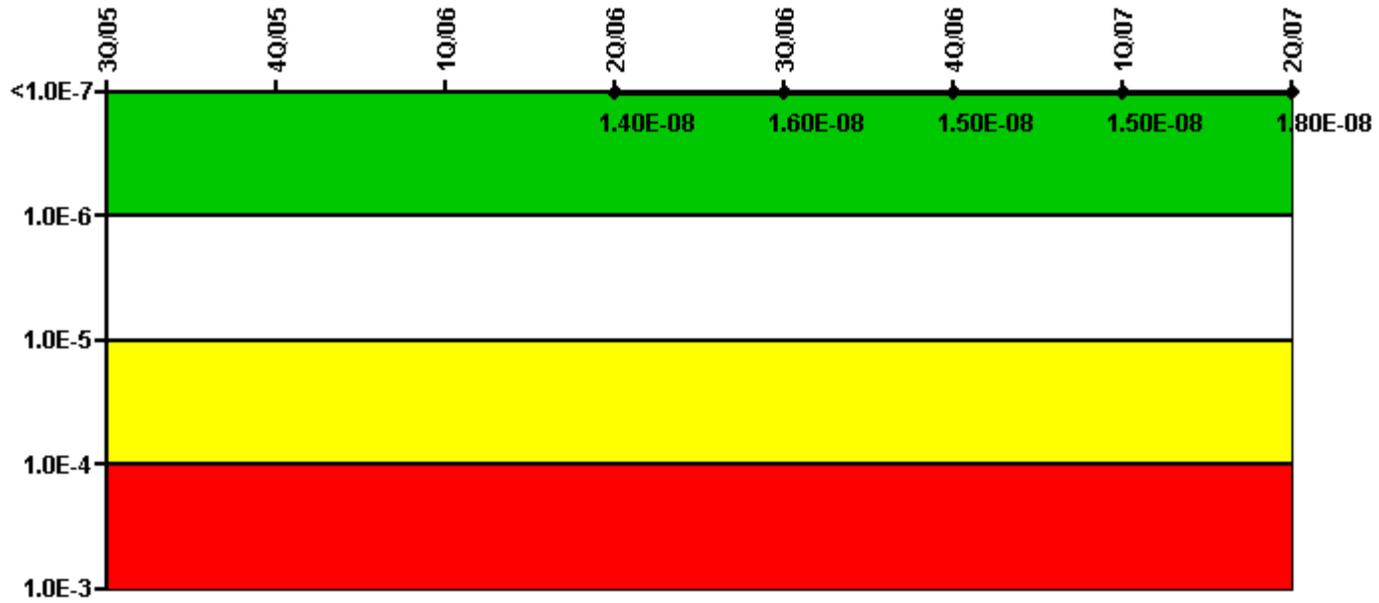
Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

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 (Δ CDF)				$7.30E-08$	$6.50E-08$	$7.90E-08$	$1.10E-07$	$1.10E-07$
URI (Δ CDF)				$-2.50E-07$	$-2.50E-07$	$-2.50E-07$	$-2.50E-07$	$-2.50E-07$
PLE				NO	NO	NO	NO	NO
Indicator value				$-1.77E-07$	$-1.85E-07$	$-1.71E-07$	$-1.40E-07$	$-1.40E-07$

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



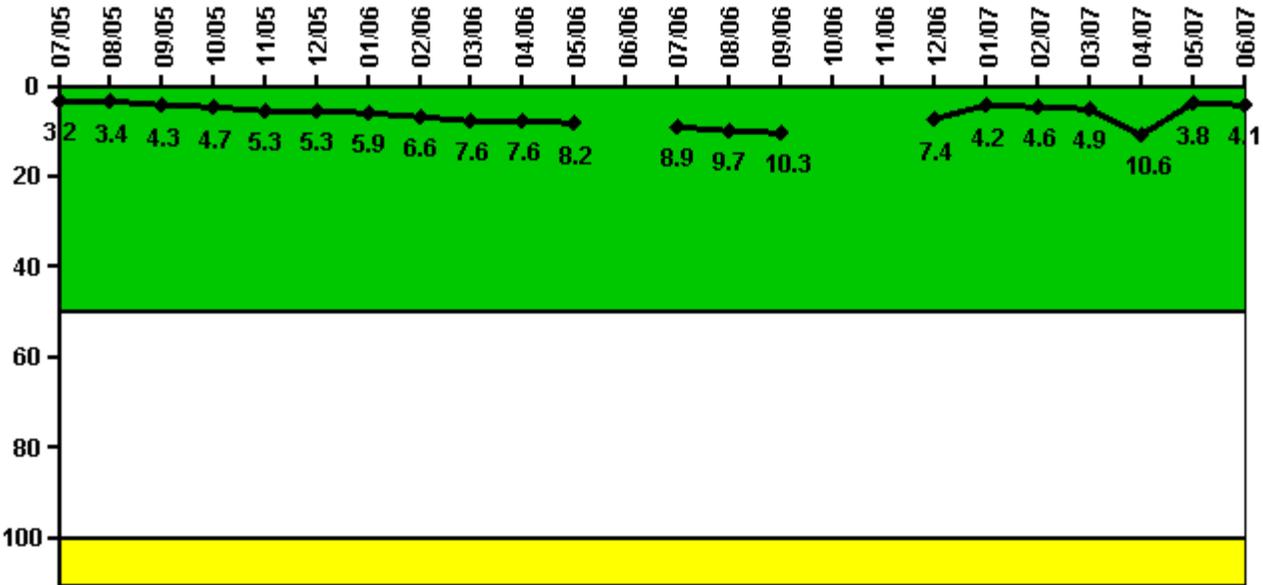
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
UAI (ΔCDF)				2.20E-08	2.40E-08	2.30E-08	2.30E-08	2.60E-08
URI (ΔCDF)				-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09
PLE				NO	NO	NO	NO	NO
Indicator value				1.40E-08	1.60E-08	1.50E-08	1.50E-08	1.80E-08

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

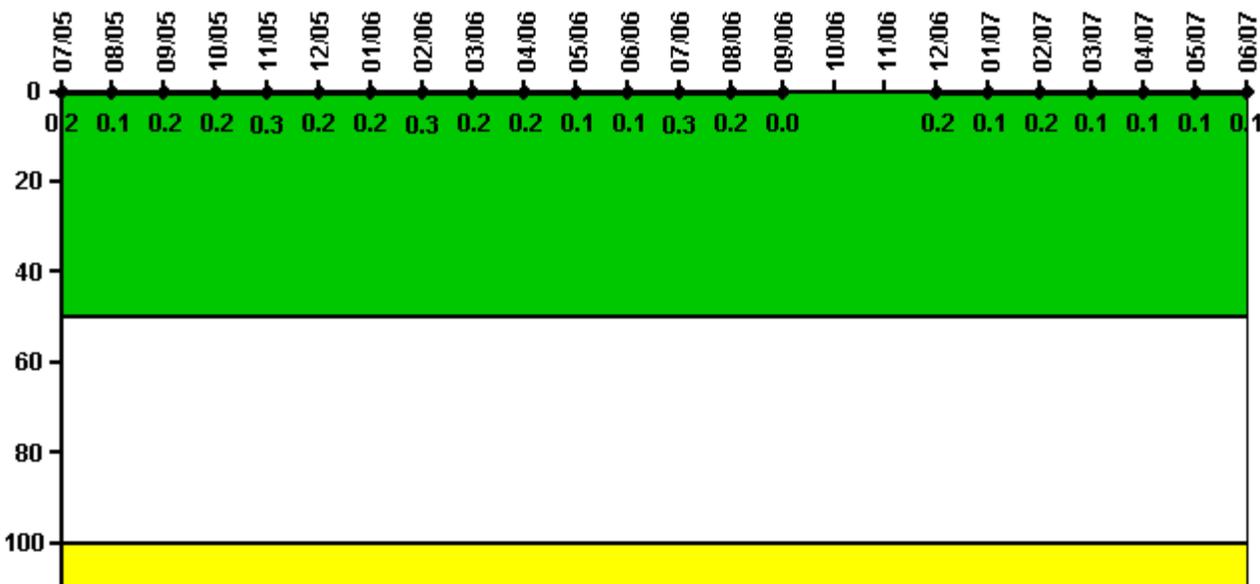
Notes

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	0.008591	0.008921	0.011280	0.012540	0.013960	0.014030	0.015620	0.017400	0.020090	0.020250	0.021810	N/A
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	3.2	3.4	4.3	4.7	5.3	5.3	5.9	6.6	7.6	7.6	8.2	N/A

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	0.023580	0.025830	0.027340	N/A	N/A	0.019700	0.011260	0.012140	0.012930	0.028200	0.010070	0.010800
Technical specification limit	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Indicator value	8.9	9.7	10.3	N/A	N/A	7.4	4.2	4.6	4.9	10.6	3.8	4.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

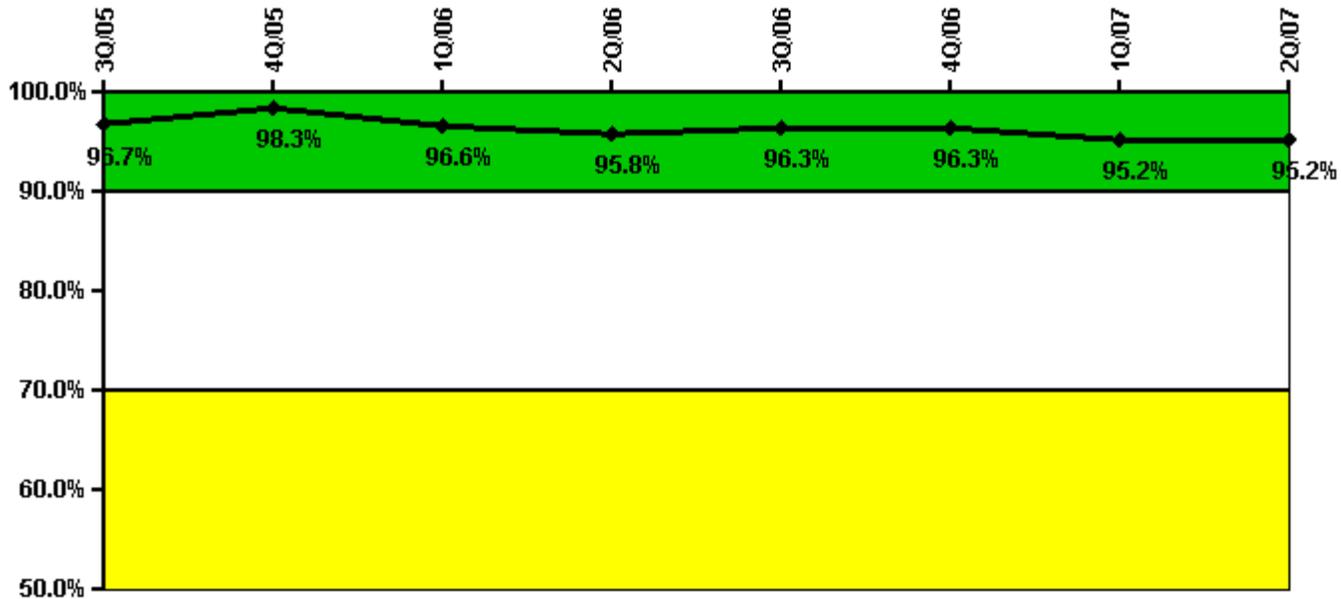
Notes

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	0.020	0.010	0.020	0.020	0.030	0.020	0.020	0.030	0.020	0.020	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	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.1	0.1

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	0.030	0.020	0	N/A	N/A	0.020	0.010	0.020	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	0.3	0.2	0	N/A	N/A	0.2	0.1	0.2	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	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful opportunities	32.0	26.0	27.0	14.0	33.0	2.0	21.0	4.0
Total opportunities	32.0	26.0	30.0	16.0	34.0	2.0	23.0	4.0
Indicator value	96.7%	98.3%	96.6%	95.8%	96.3%	96.3%	95.2%	95.2%

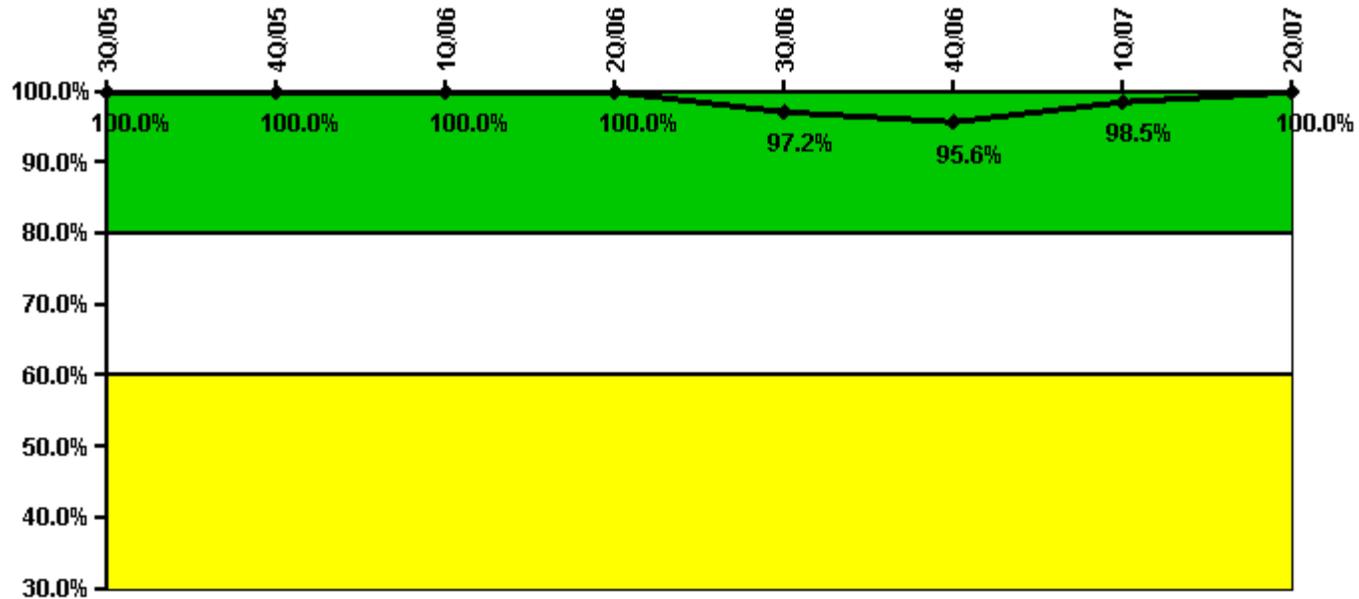
Licensee Comments:

1Q/07: 1Q2007 - During a review of Emergency Preparedness PI data, a minor error was identified for the month of February. This error has been corrected. This change does not affect the color of the indicator.

3Q/06: 3Q2006 - During a review of Emergency Preparedness PI data, minor errors were identified for the month of July. These errors have been corrected. This change does not affect the color of the indicator.

2Q/06: 2Q2006 - During a review of Emergency Preparedness PI data, minor errors were identified for the month of May. These errors have been corrected. This change does not affect the color of the indicator.

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	72.0	70.0	73.0	77.0	69.0	65.0	66.0	58.0
Total Key personnel	72.0	70.0	73.0	77.0	71.0	68.0	67.0	58.0
Indicator value	100.0%	100.0%	100.0%	100.0%	97.2%	95.6%	98.5%	100.0%

Licensee Comments:

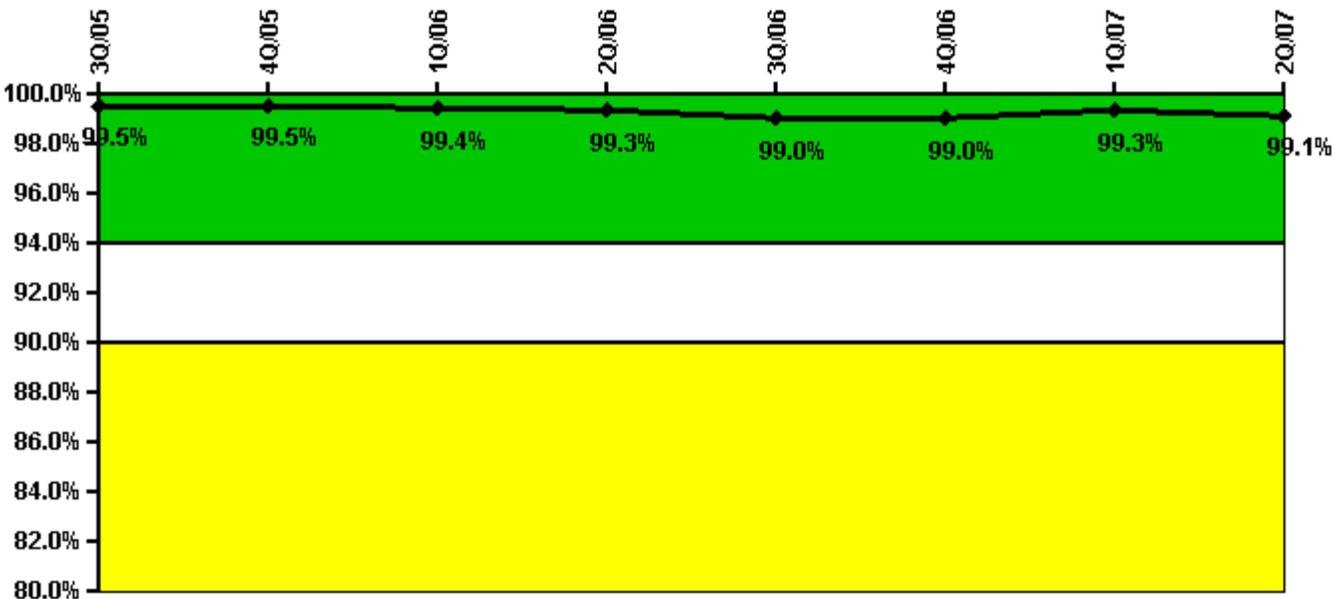
1Q/07: 1Q2007 - During a review of Emergency Preparedness PI data, minor errors were identified for the months of January, February, and March. These errors have been corrected. This change does not affect the color of the indicator.

4Q/06: 4Q2006 - During a review of Emergency Preparedness PI data, minor errors were identified for the months of October, November, and December. These errors have been corrected. This change does not affect the color of the indicator.

3Q/06: 3Q2006 - During a review of Emergency Preparedness PI data, minor errors were identified for the months of July, August, September. These errors have been corrected. This change does not affect the color of the indicator.

2Q/06: 2Q2006 - During a review of Emergency Preparedness PI data, minor errors were identified for the months of April, May, and June. These errors have been corrected. This change does not affect the color of the indicator.

Alert & Notification System



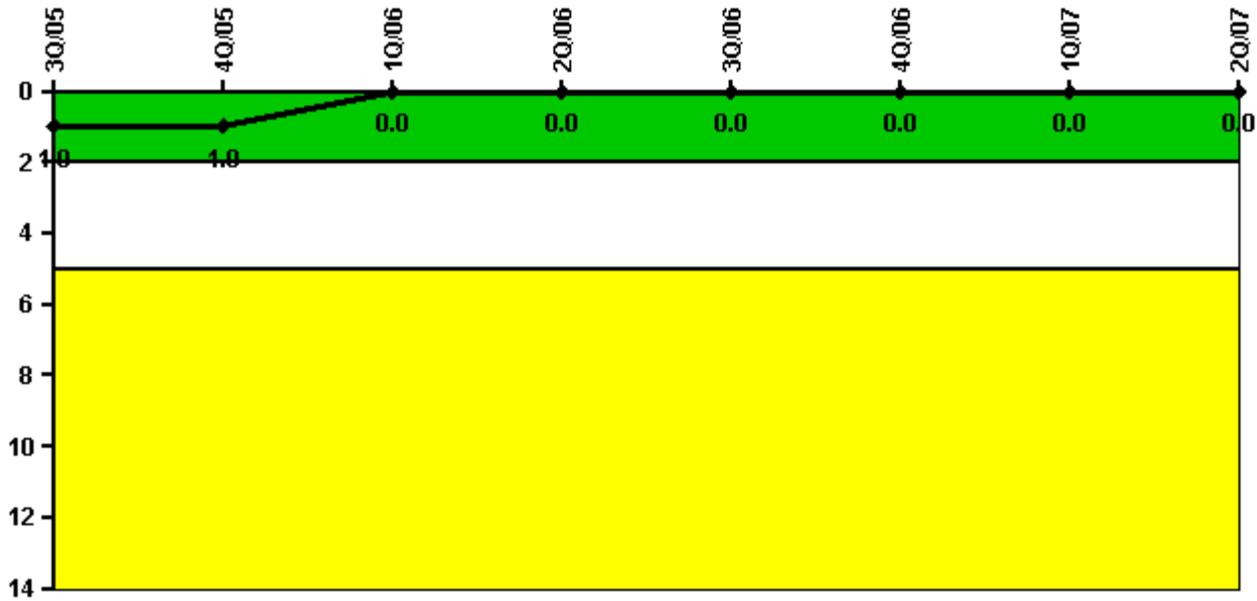
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07
Successful siren-tests	787	787	685	788	778	788	692	784
Total sirens-tests	792	792	693	792	792	792	693	792
Indicator value	99.5%	99.5%	99.4%	99.3%	99.0%	99.0%	99.3%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



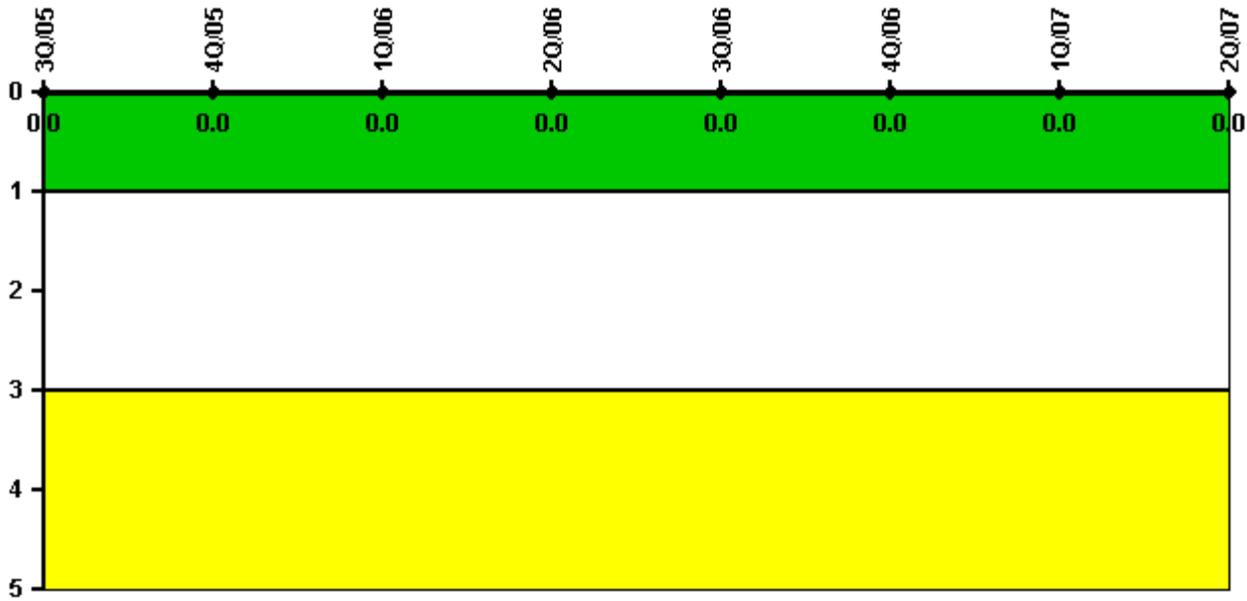
Thresholds: White > 2.0 Yellow > 5.0

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	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	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

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

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

Last Modified: August 6, 2007