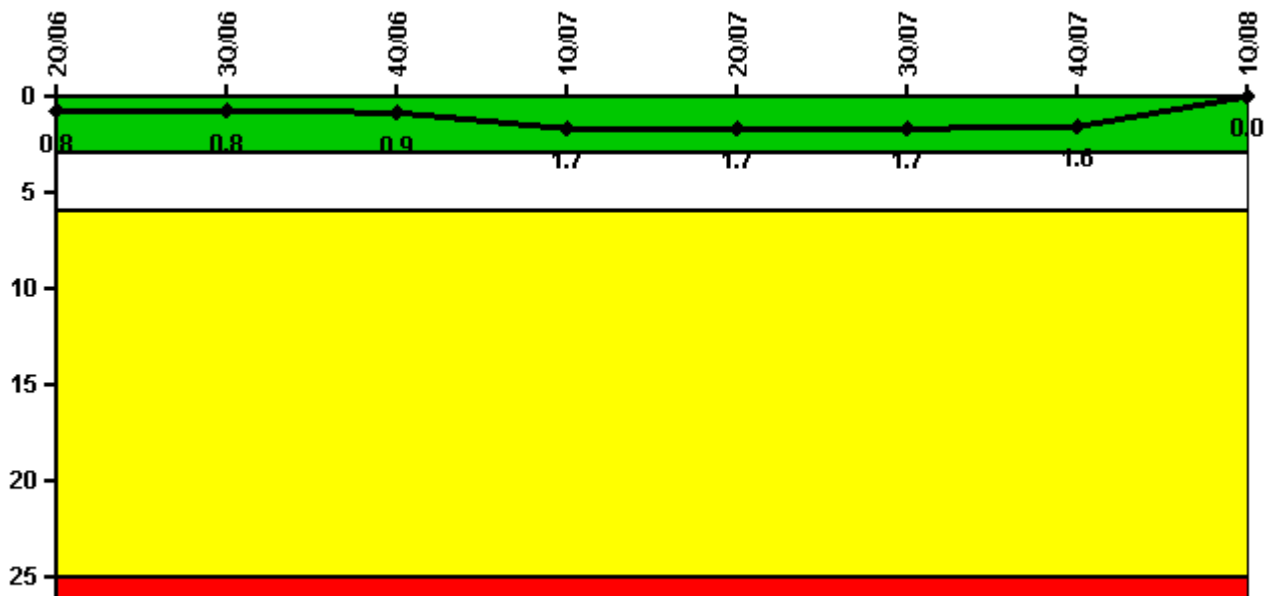


# Sequoyah 2

## 1Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



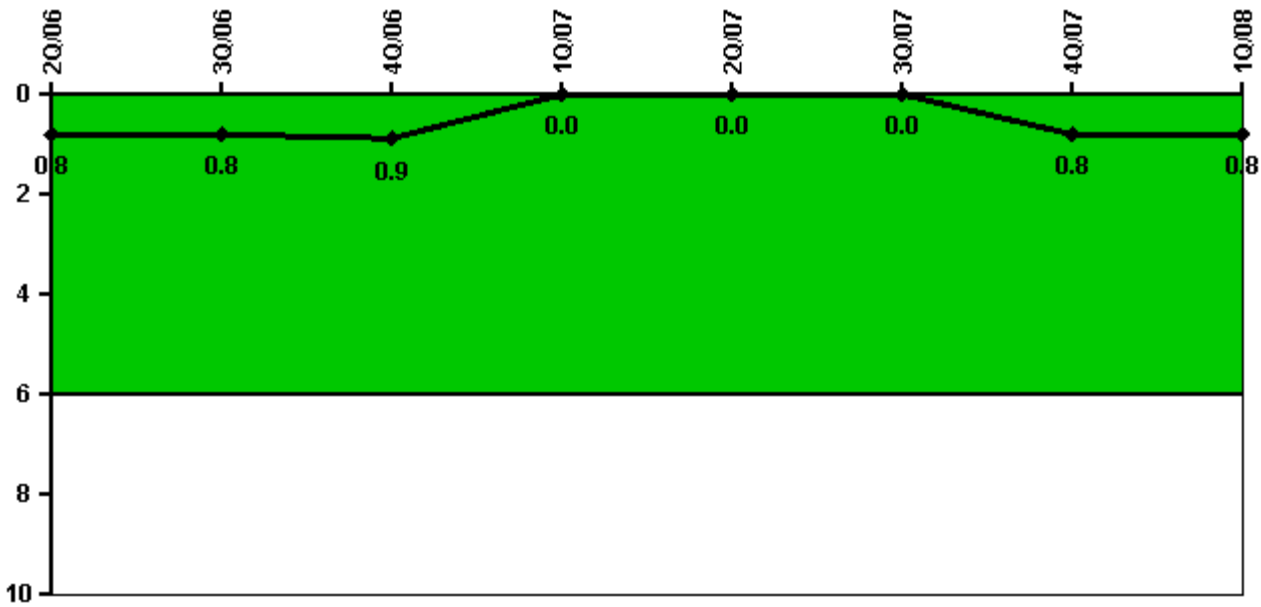
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Unplanned scrams	0	0	0	2.0	0	0	0	0
Critical hours	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0
Indicator value	0.8	0.8	0.9	1.7	1.7	1.7	1.6	0

Licensee Comments: none

# Unplanned Power Changes per 7000 Critical Hrs



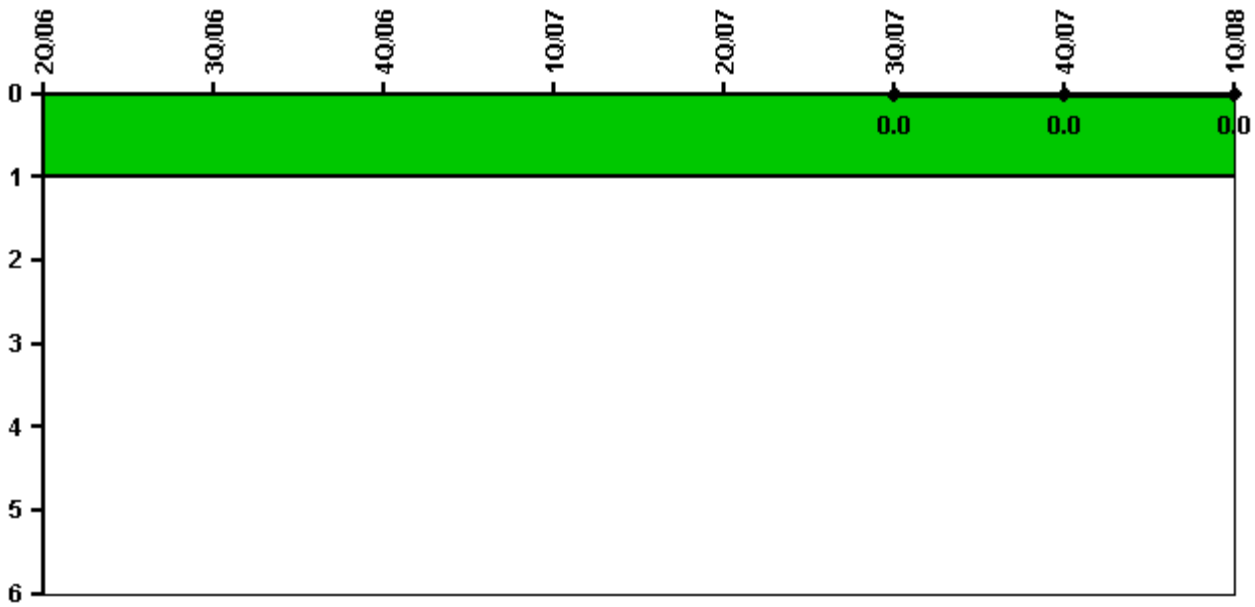
Thresholds: White > 6.0

## 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	0	0	0	0	0	0	1.0	0
Critical hours	2183.0	2208.0	1538.6	2118.8	2184.0	2208.0	2209.0	2183.0
Indicator value	0.8	0.8	0.9	0	0	0	0.8	0.8

Licensee Comments: none

# Unplanned Scrams with Complications



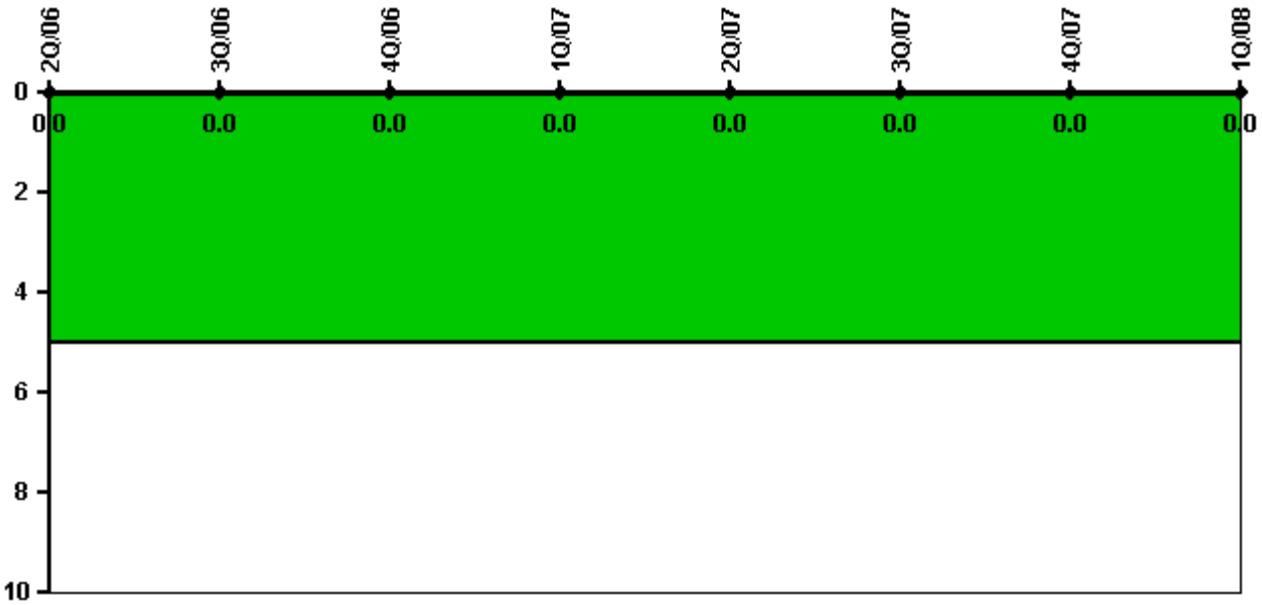
Thresholds: White > 1.0

## 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	0
Indicator value						0.0	0.0	0.0

Licensee Comments: none

# Safety System Functional Failures (PWR)



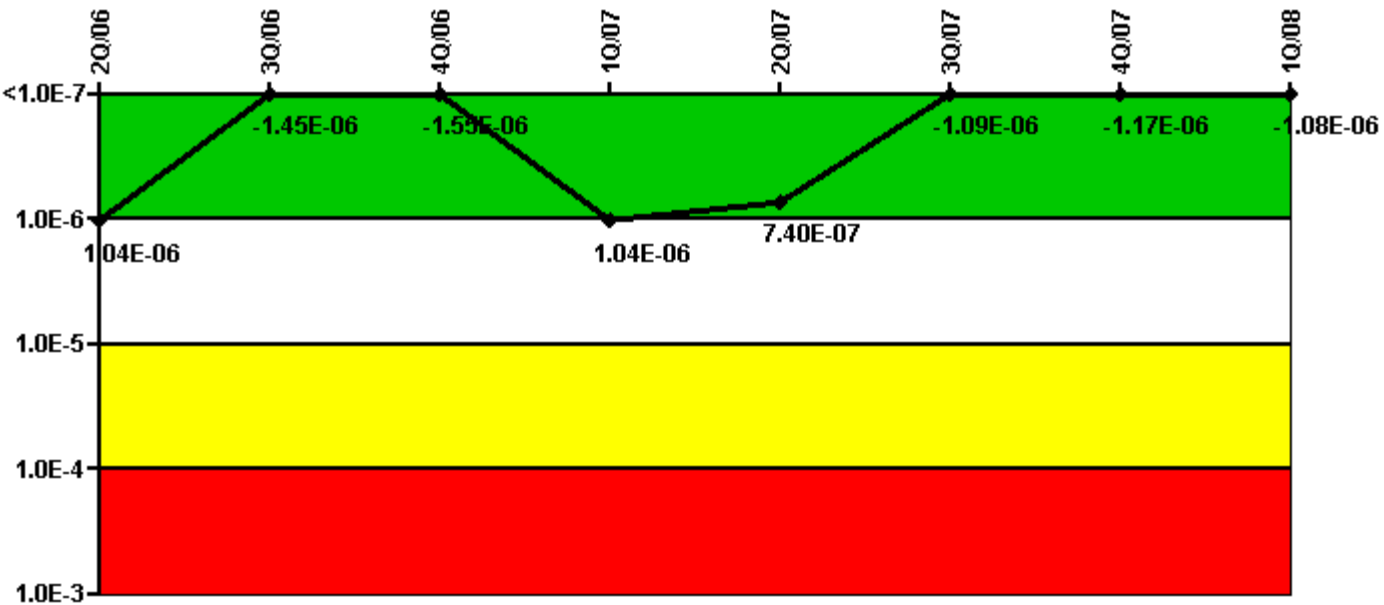
Thresholds: White > 5.0

## 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	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

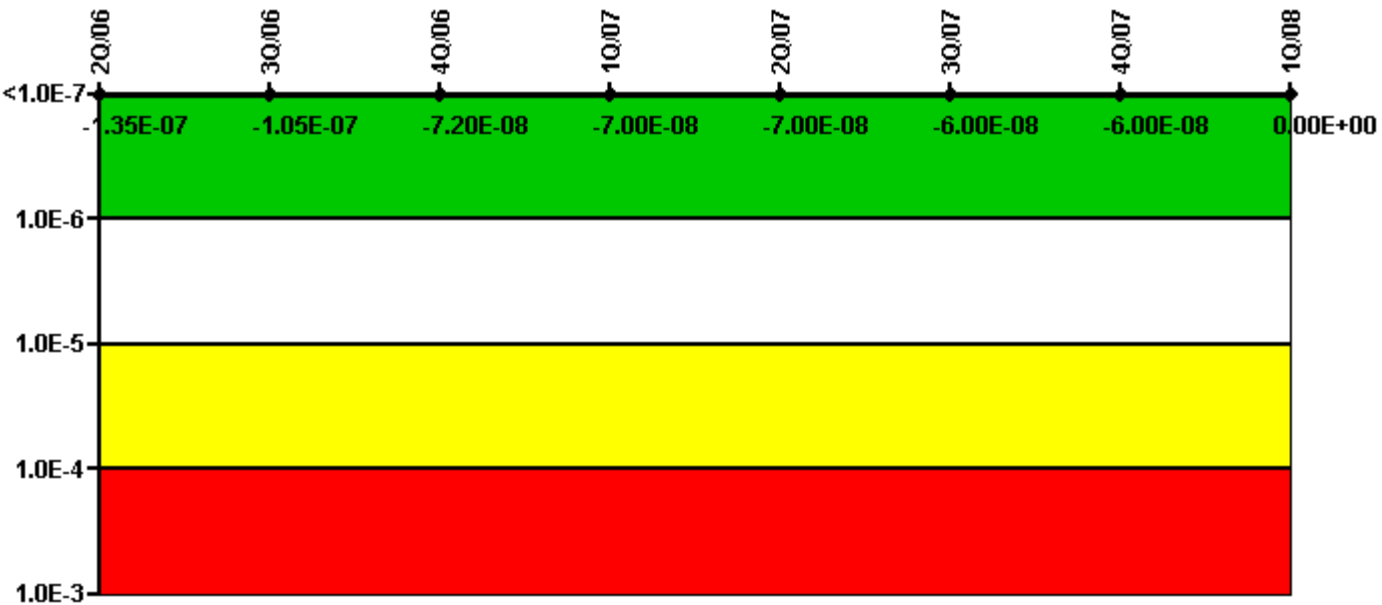
## Notes

Mitigating Systems Performance Index, Emergency AC Power System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-2.60E-07	-2.50E-07	-2.50E-07	-2.60E-07	-2.60E-07	-2.50E-07	-2.50E-07	-2.50E-07
URI ( $\Delta$ CDF)	1.30E-06	-1.20E-06	-1.30E-06	1.30E-06	1.00E-06	-8.40E-07	-9.20E-07	-8.30E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.04E-06	-1.45E-06	-1.55E-06	1.04E-06	7.40E-07	-1.09E-06	-1.17E-06	-1.08E-06

Licensee Comments:

1Q/08: Risk Cap Invoked. An error has been identified in baseline planned unavailability and critical hours. The baseline planned unavailability will increase once corrected adding further margin in the UAI derivation. This correction will be made prior to next quarter's reporting.

# Mitigating Systems Performance Index, High Pressure Injection System



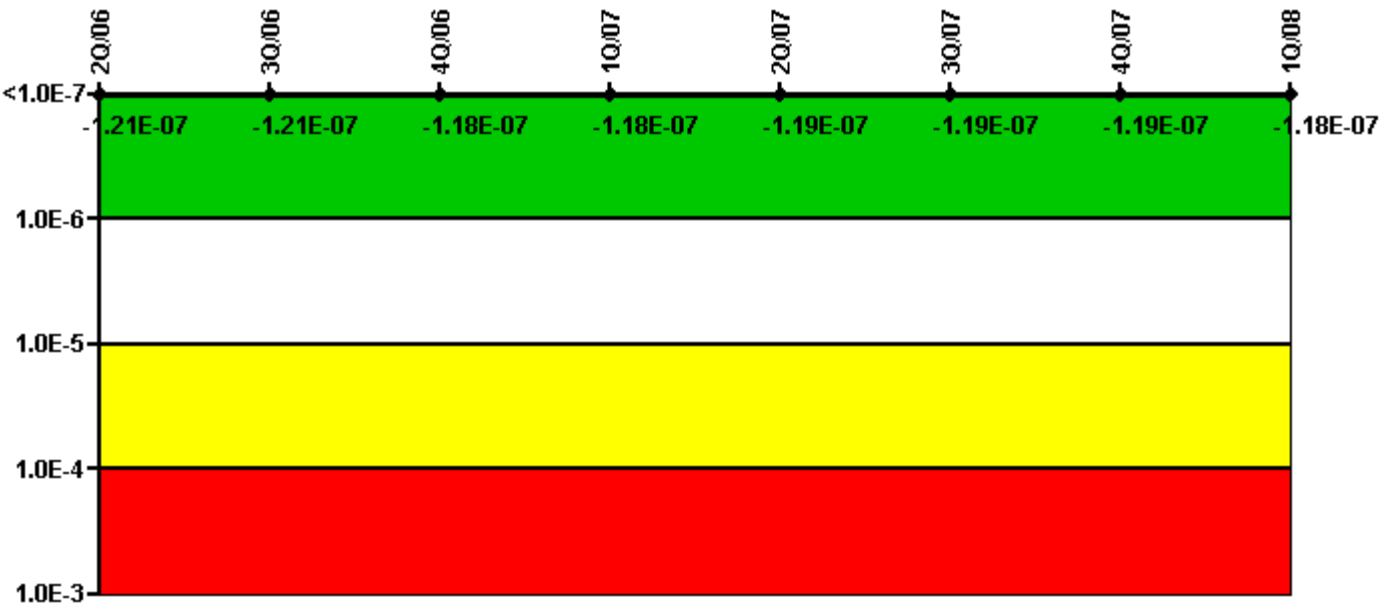
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	3.50E-08	6.50E-08	9.80E-08	1.00E-07	1.00E-07	1.10E-07	1.10E-07	1.70E-07
URI ( $\Delta$ CDF)	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07	-1.70E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.35E-07	-1.05E-07	-7.20E-08	-7.00E-08	-7.00E-08	-6.00E-08	-6.00E-08	0.00E+00

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



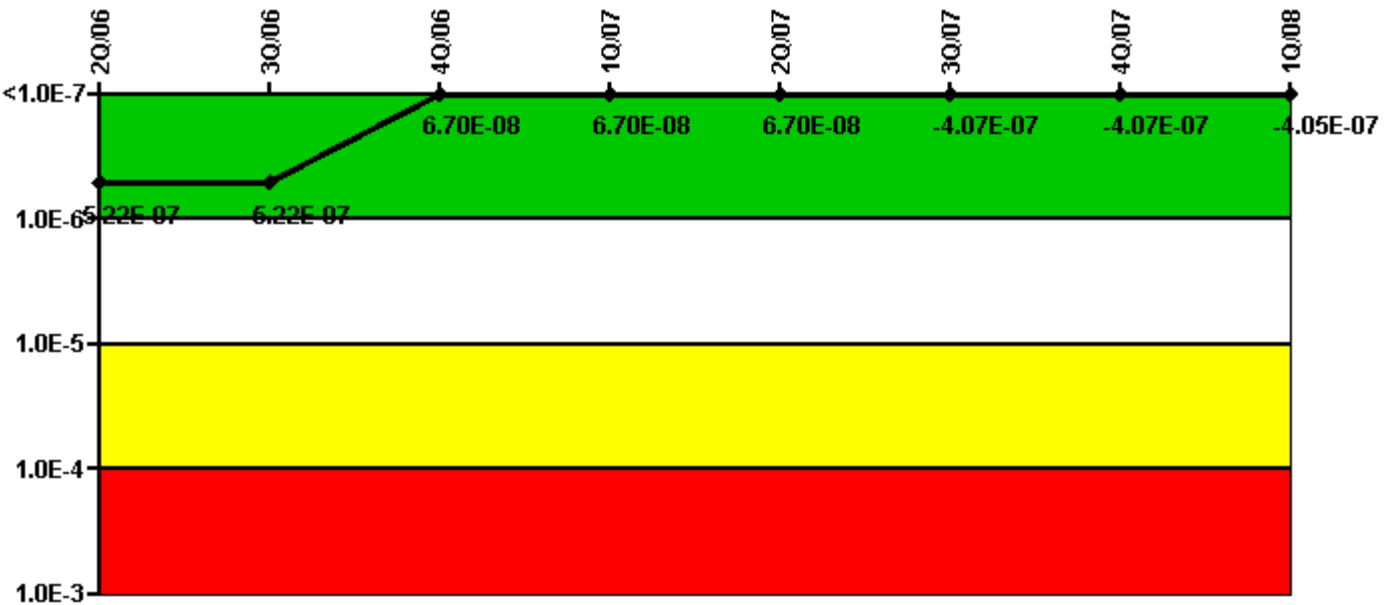
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## 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)	-2.20E-08	-2.20E-08	-2.20E-08	-2.20E-08	-2.30E-08	-2.30E-08	-2.30E-08	-2.30E-08
URI ( $\Delta$ CDF)	-9.90E-08	-9.90E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.60E-08	-9.50E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.21E-07	-1.21E-07	-1.18E-07	-1.18E-07	-1.19E-07	-1.19E-07	-1.19E-07	-1.18E-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

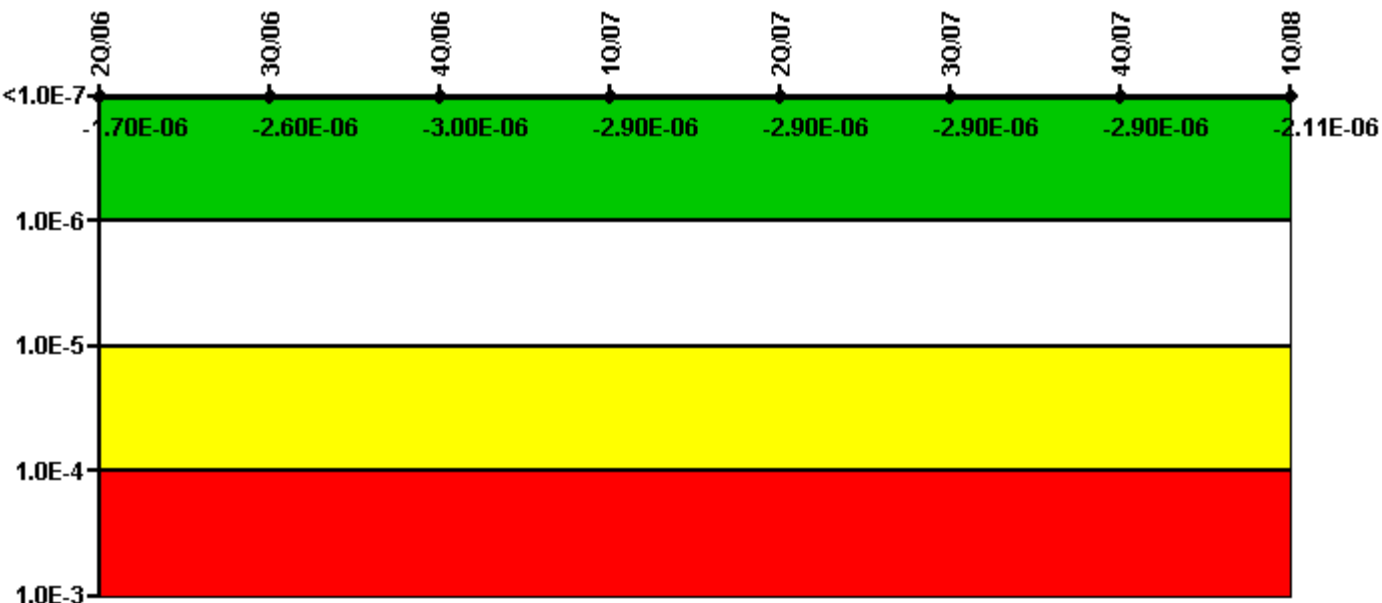
## Notes

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)	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-2.80E-08	-4.70E-08	-4.70E-08	-4.50E-08
URI ( $\Delta$ CDF)	5.50E-07	5.50E-07	9.50E-08	9.50E-08	9.50E-08	-3.60E-07	-3.60E-07	-3.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	5.22E-07	5.22E-07	6.70E-08	6.70E-08	6.70E-08	-4.07E-07	-4.07E-07	-4.05E-07

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



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

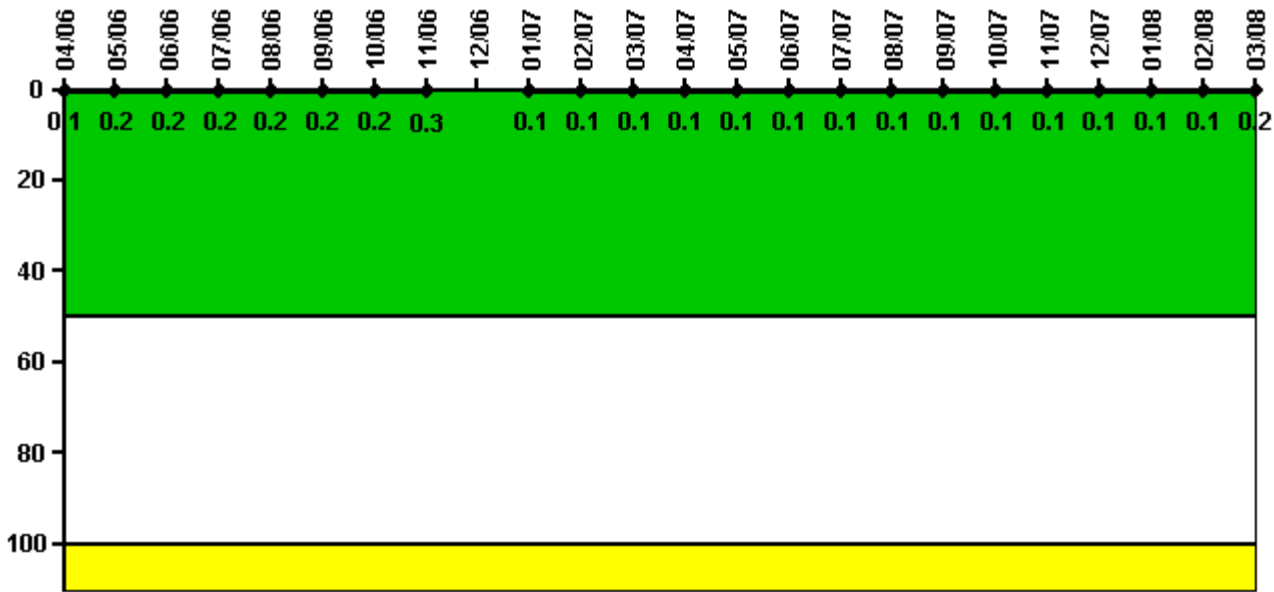
## Notes

Mitigating Systems Performance Index, Cooling Water Systems	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
UAI ( $\Delta$ CDF)	-1.50E-06	-2.40E-06	-2.80E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06	-2.70E-06
URI ( $\Delta$ CDF)	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	-2.00E-07	5.90E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.70E-06	-2.60E-06	-3.00E-06	-2.90E-06	-2.90E-06	-2.90E-06	-2.90E-06	-2.11E-06

Licensee Comments:

1Q/08: Changed PRA Parameter(s). Adjusted the planned unavailability baselines for non-routine maintenance that occurred this quarter and removed that which occurred more than 12 quarters ago.

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

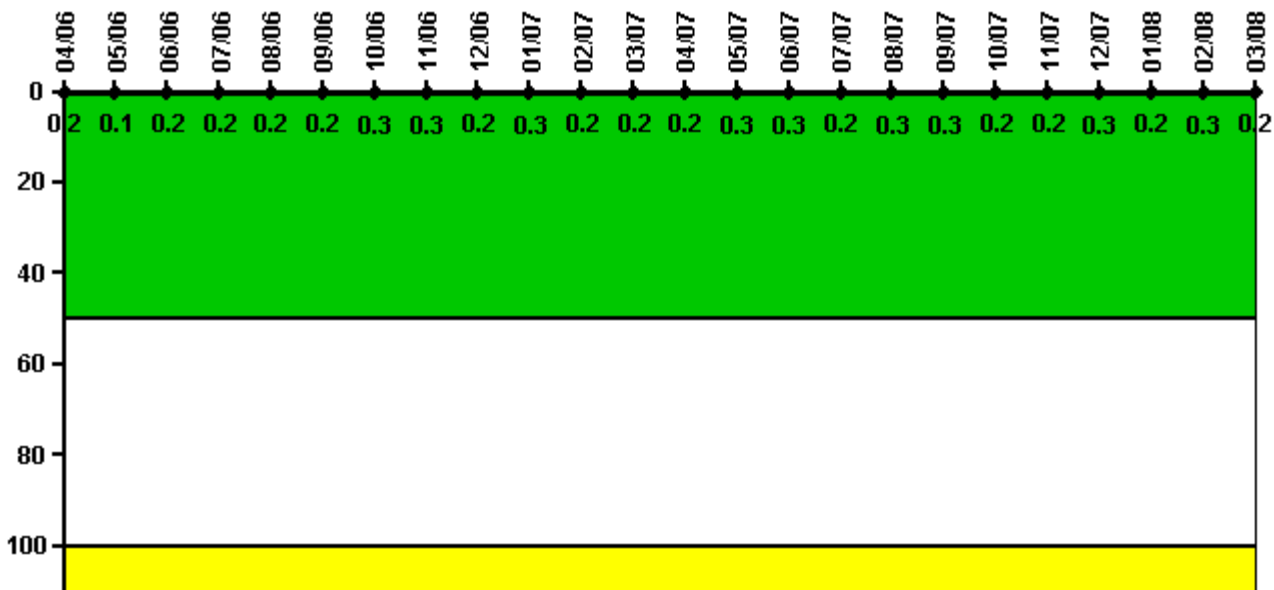
Reactor Coolant System Activity	4/06	5/06	6/06	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07
Maximum activity	0.000514	0.000563	0.000568	0.000553	0.000686	0.000713	0.000611	0.000917	N/A	0.000354	0.000396	0.000413
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	N/A	0.1	0.1	0.1

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	0.000401	0.000465	0.000379	0.000382	0.000387	0.000392	0.000414	0.000403	0.000426	0.000418	0.000436	0.000601
Technical specification limit	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Indicator value	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.010	0.020	0.020	0.020	0.020	0.030	0.030	0.020	0.030	0.020	0.020
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	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2

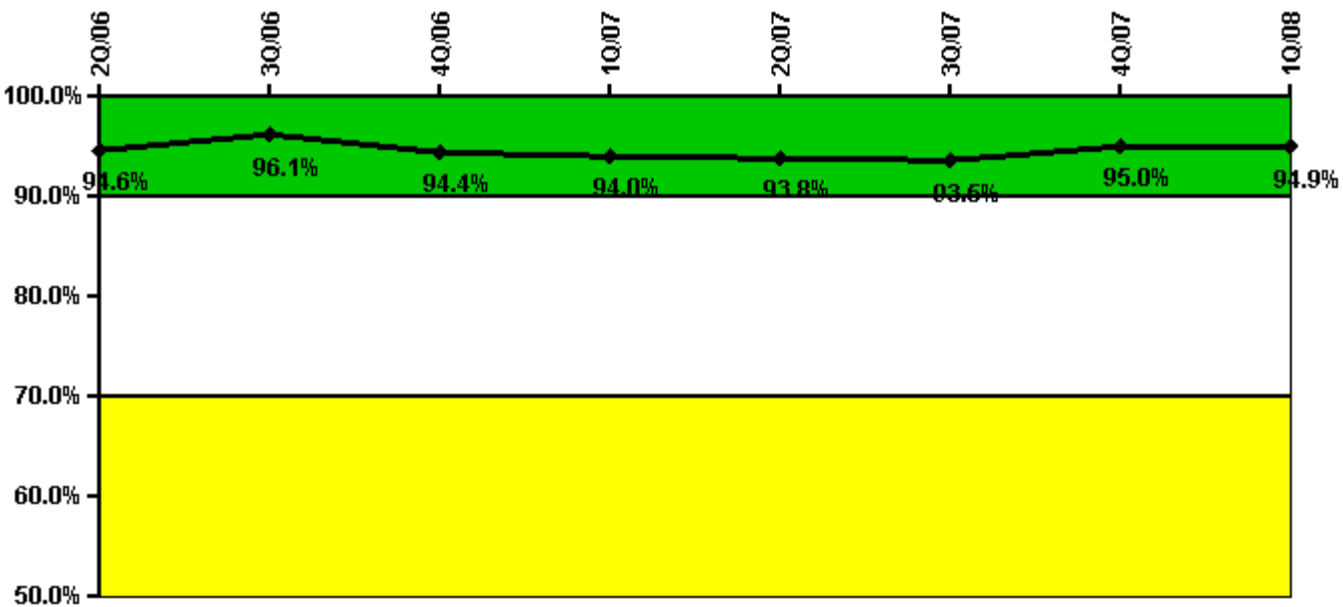
  

Reactor Coolant System Leakage	4/07	5/07	6/07	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08
Maximum leakage	0.020	0.030	0.030	0.020	0.030	0.030	0.020	0.020	0.030	0.020	0.030	0.020
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.2

Licensee Comments:

12/07: An error was identified in data for RCS identified leakage during later reviews for December 2007. This data was corrected during the 1st quarter of 2008.

# Drill/Exercise Performance



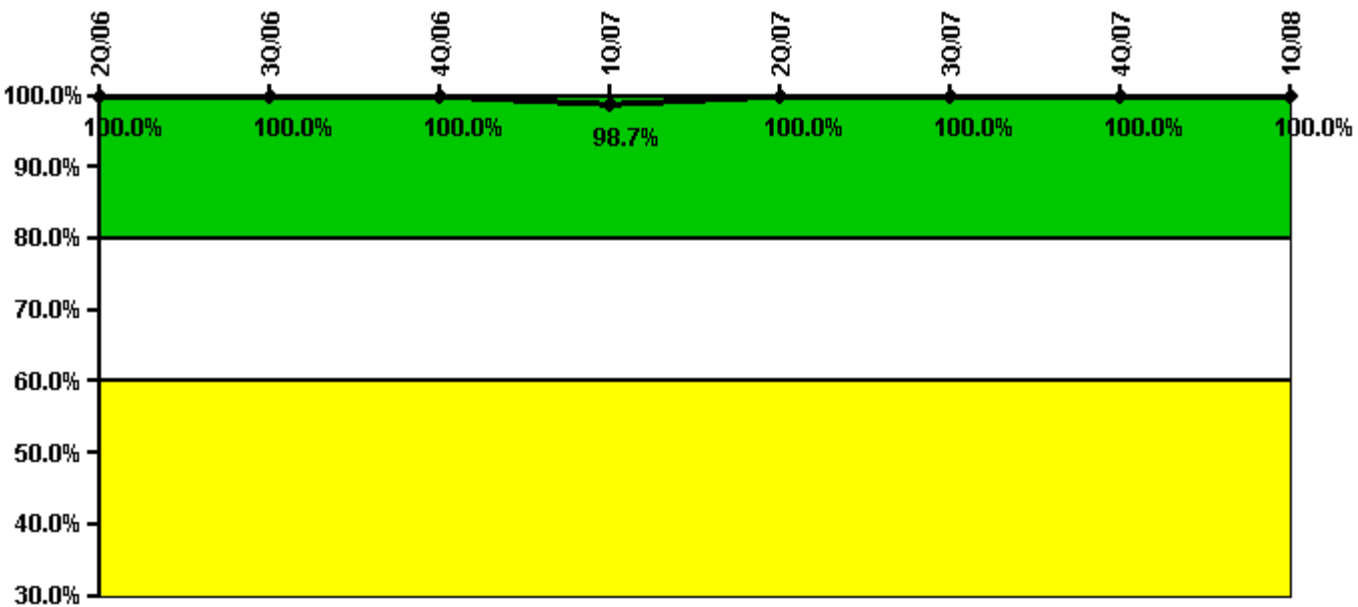
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

Drill/Exercise Performance	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful opportunities	0	38.0	44.0	0	24.0	10.0	30.0	4.0
Total opportunities	0	38.0	48.0	0	26.0	10.0	32.0	4.0
Indicator value	94.6%	96.1%	94.4%	94.0%	93.8%	93.5%	95.0%	94.9%

Licensee Comments: none

# ERO Drill Participation



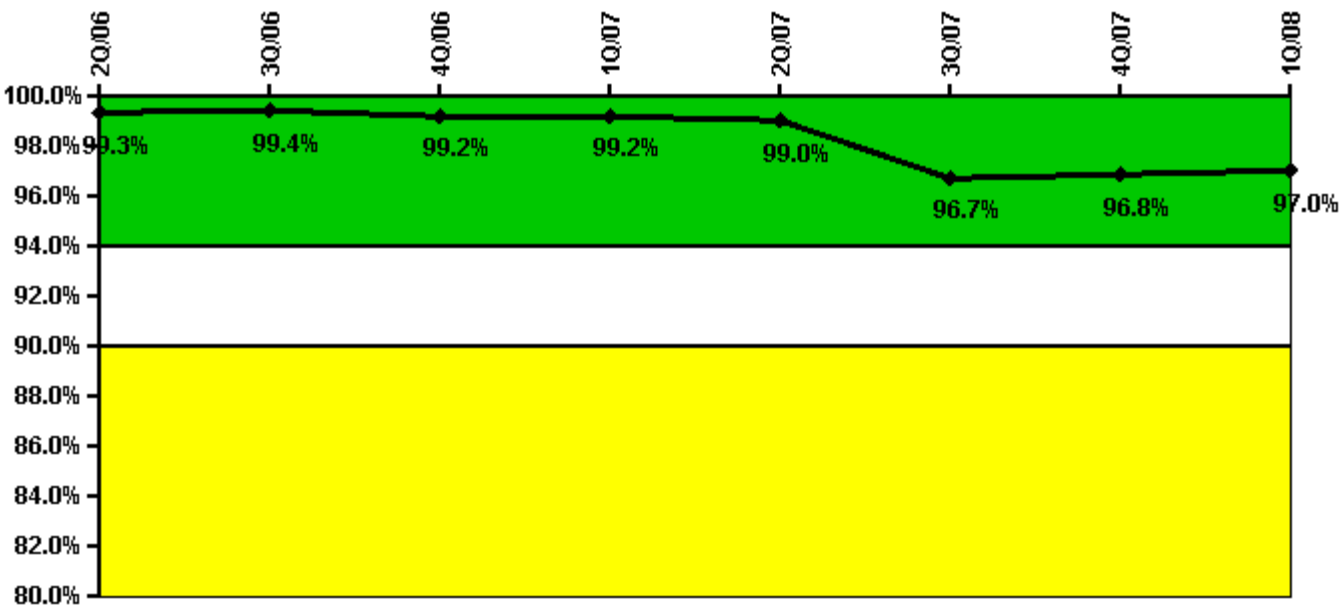
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Participating Key personnel	88.0	82.0	81.0	75.0	82.0	93.0	88.0	83.0
Total Key personnel	88.0	82.0	81.0	76.0	82.0	93.0	88.0	83.0
Indicator value	100.0%	100.0%	100.0%	98.7%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

# Alert & Notification System



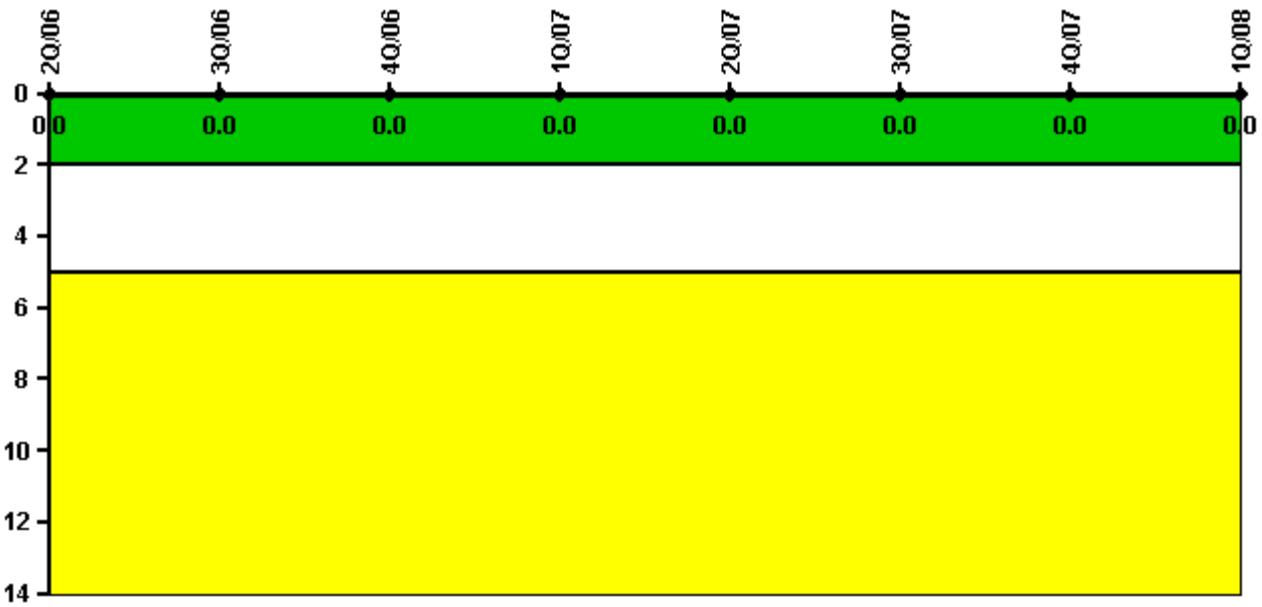
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08
Successful siren-tests	858	854	855	750	854	779	964	754
Total sirens-tests	864	861	864	756	864	864	972	756
Indicator value	99.3%	99.4%	99.2%	99.2%	99.0%	96.7%	96.8%	97.0%

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	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

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

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

Last Modified: April 30, 2008