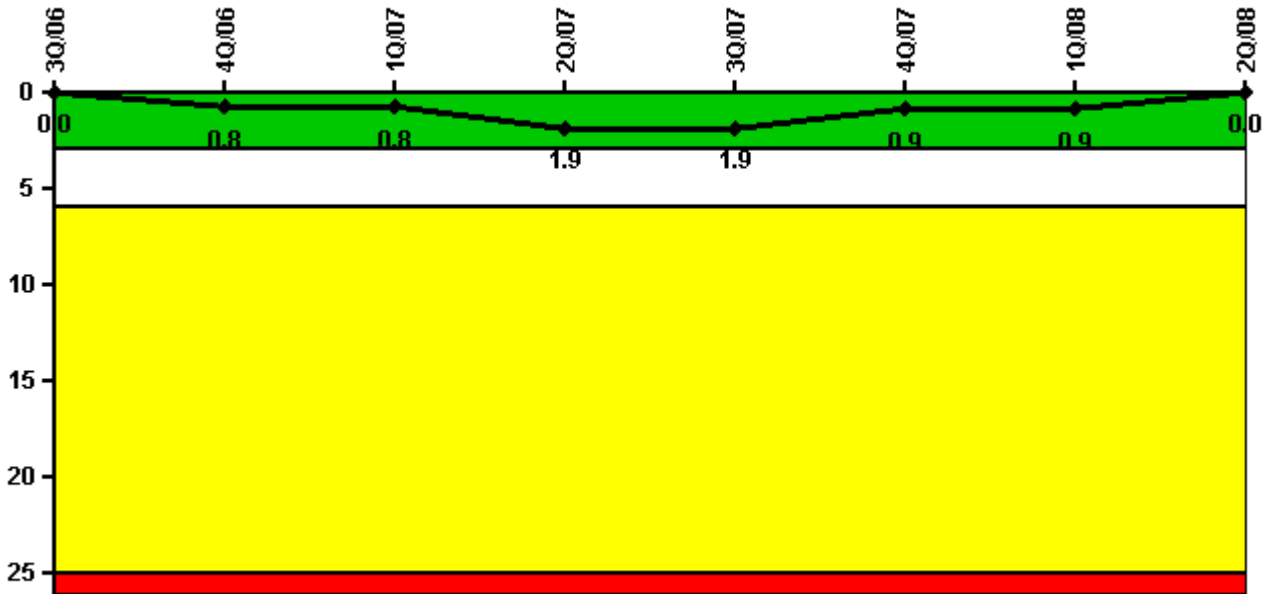


# Columbia Generating Station

## 2Q/2008 Performance Indicators

Licensee's General Comments: none

### Unplanned Scrams per 7000 Critical Hrs



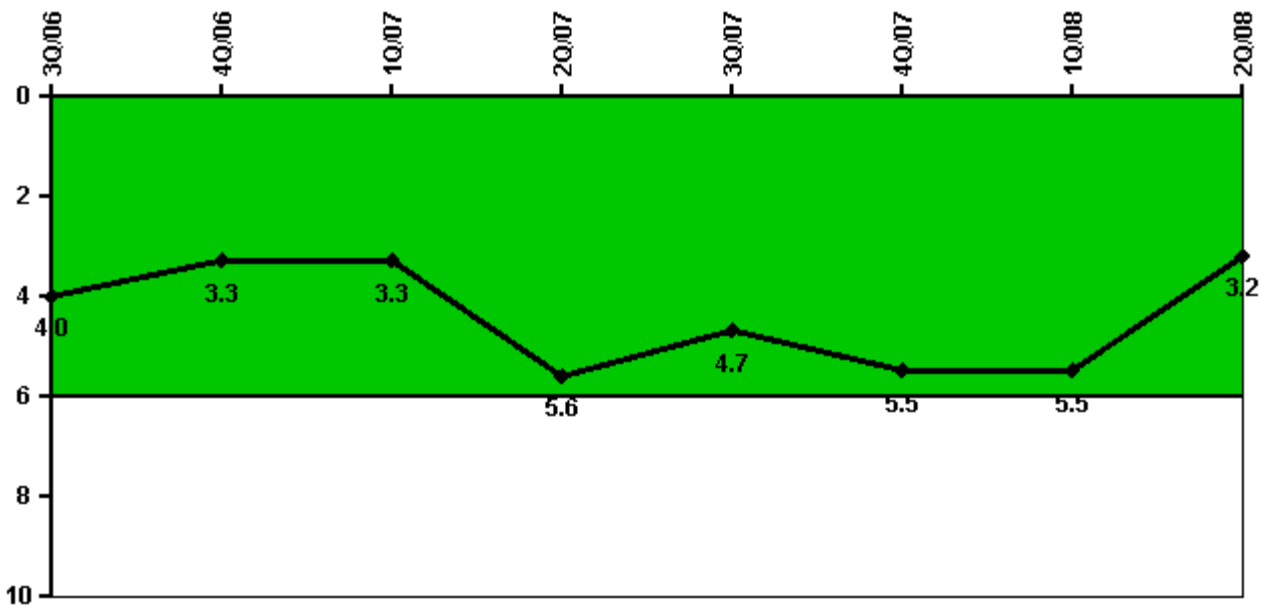
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

### Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned scrams	0	1.0	0	1.0	0	0	0	0
Critical hours	2208.0	2048.1	2159.0	1060.4	2208.0	2209.0	2183.0	2184.0
Indicator value	0	0.8	0.8	1.9	1.9	0.9	0.9	0

Licensee Comments: none

# Unplanned Power Changes per 7000 Critical Hrs



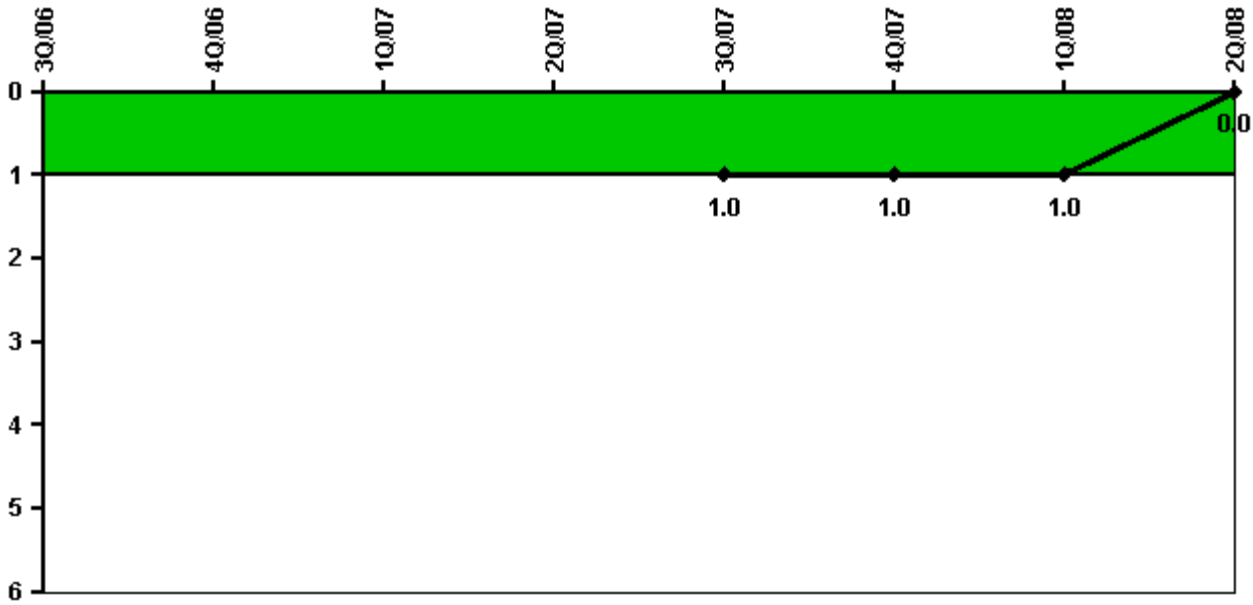
Thresholds: White > 6.0

## Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Unplanned power changes	4.0	0	0	2.0	3.0	1.0	0	0
Critical hours	2208.0	2048.1	2159.0	1060.4	2208.0	2209.0	2183.0	2184.0
Indicator value	4.0	3.3	3.3	5.6	4.7	5.5	5.5	3.2

Licensee Comments: none

# Unplanned Scrams with Complications



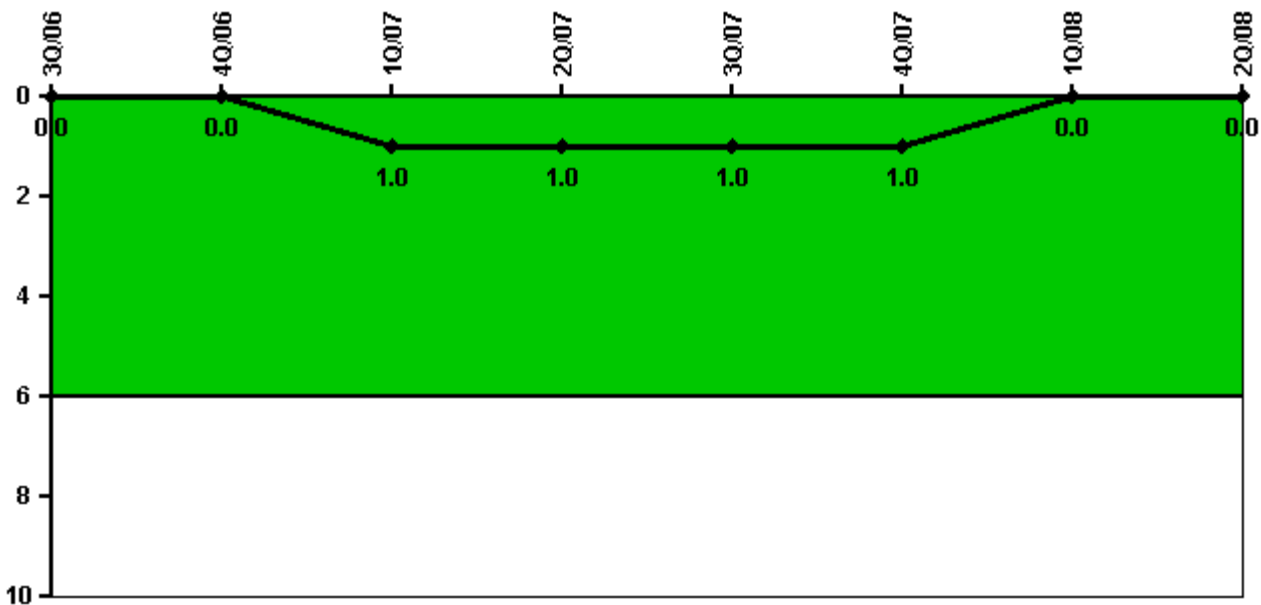
Thresholds: White > 1.0

## Notes

Unplanned Scrams with Complications	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Scrams with complications		0	0	1.0	0	0	0	0
Indicator value					1.0	1.0	1.0	0.0

Licensee Comments: none

# Safety System Functional Failures (BWR)



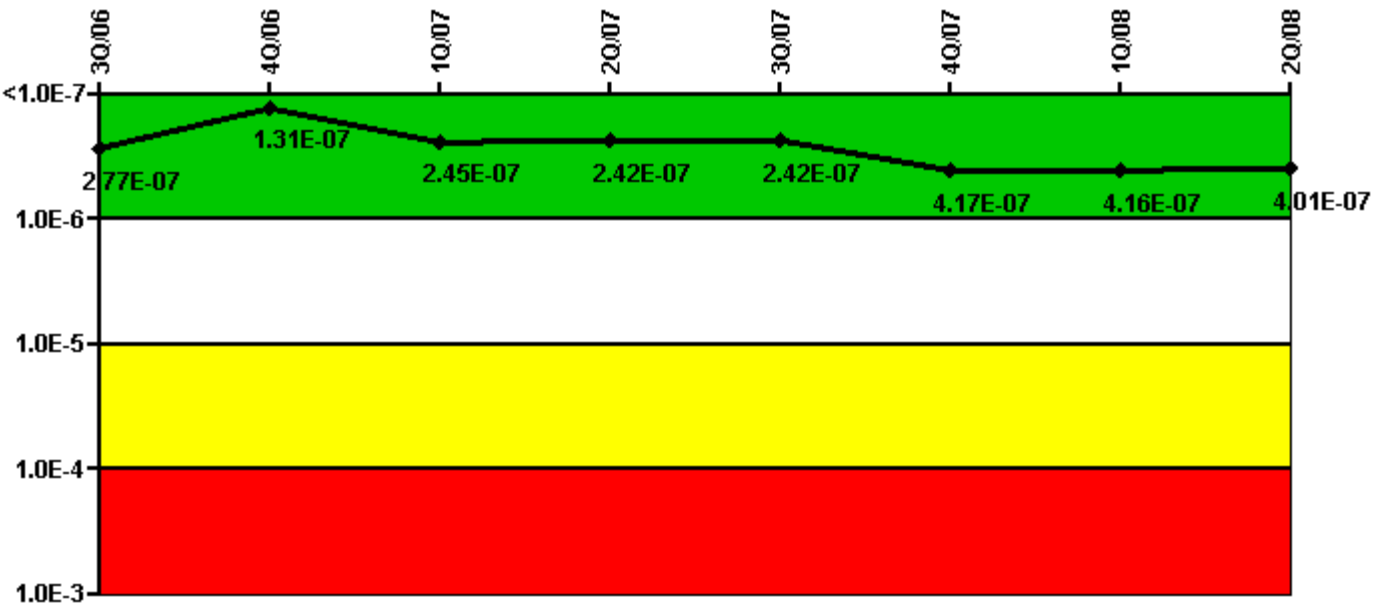
Thresholds: White > 6.0

## Notes

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

Licensee Comments: none

# Mitigating Systems Performance Index, Emergency AC Power System



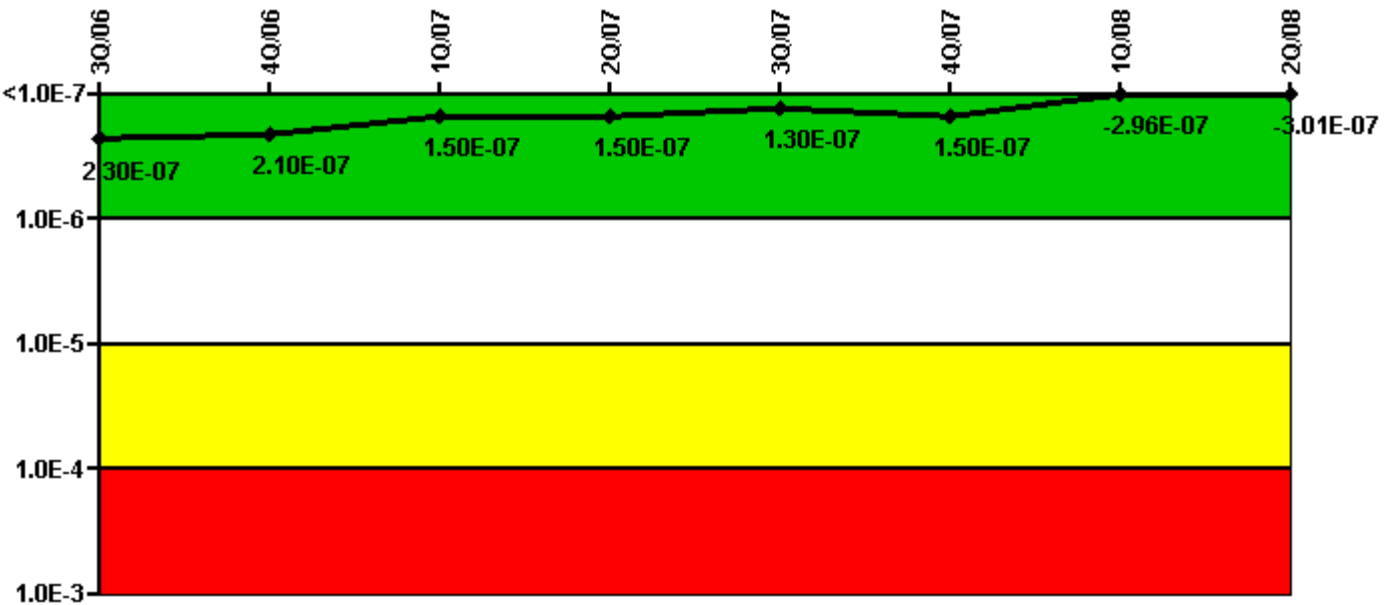
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	1.70E-08	1.10E-08	1.50E-08	1.20E-08	1.20E-08	3.70E-08	3.60E-08	2.10E-08
URI ( $\Delta$ CDF)	2.60E-07	1.20E-07	2.30E-07	2.30E-07	2.30E-07	3.80E-07	3.80E-07	3.80E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.77E-07	1.31E-07	2.45E-07	2.42E-07	2.42E-07	4.17E-07	4.16E-07	4.01E-07

Licensee Comments: none

# Mitigating Systems Performance Index, High Pressure Injection System



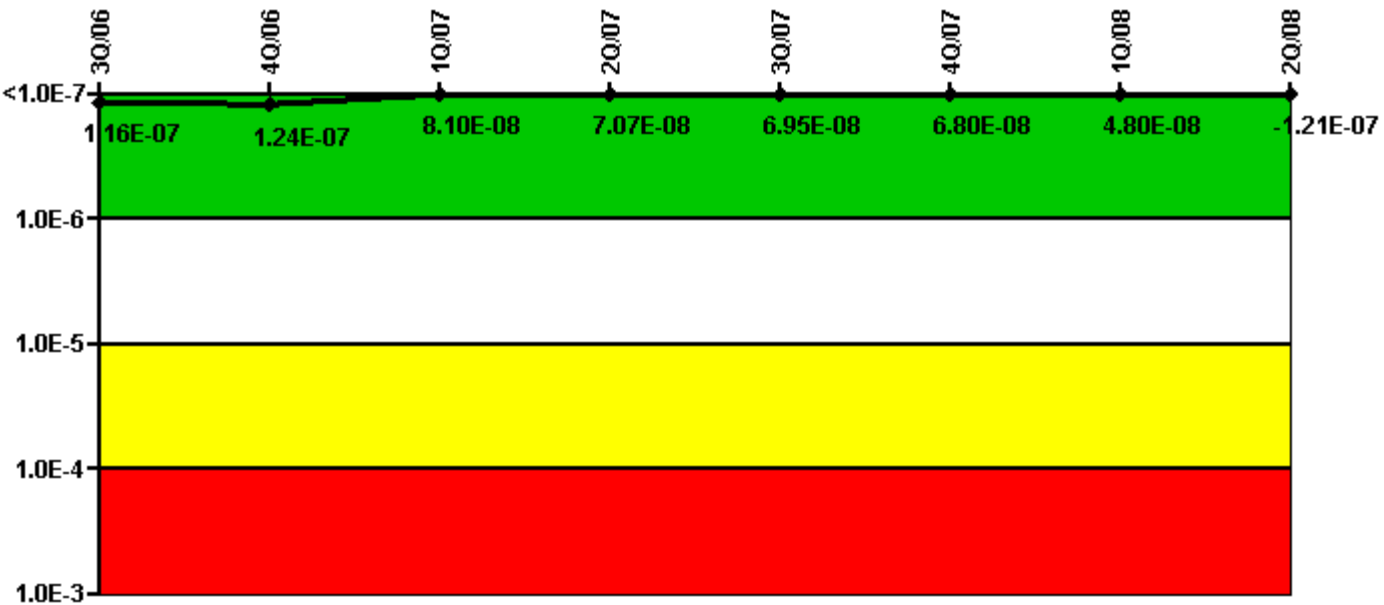
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI (ΔCDF)	5.30E-07	5.10E-07	4.50E-07	4.60E-07	4.40E-07	4.60E-07	1.40E-08	9.10E-09
URI (ΔCDF)	-3.00E-07	-3.00E-07	-3.00E-07	-3.10E-07	-3.10E-07	-3.10E-07	-3.10E-07	-3.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.30E-07	2.10E-07	1.50E-07	1.50E-07	1.30E-07	1.50E-07	-2.96E-07	-3.01E-07

Licensee Comments: none

# Mitigating Systems Performance Index, Heat Removal System



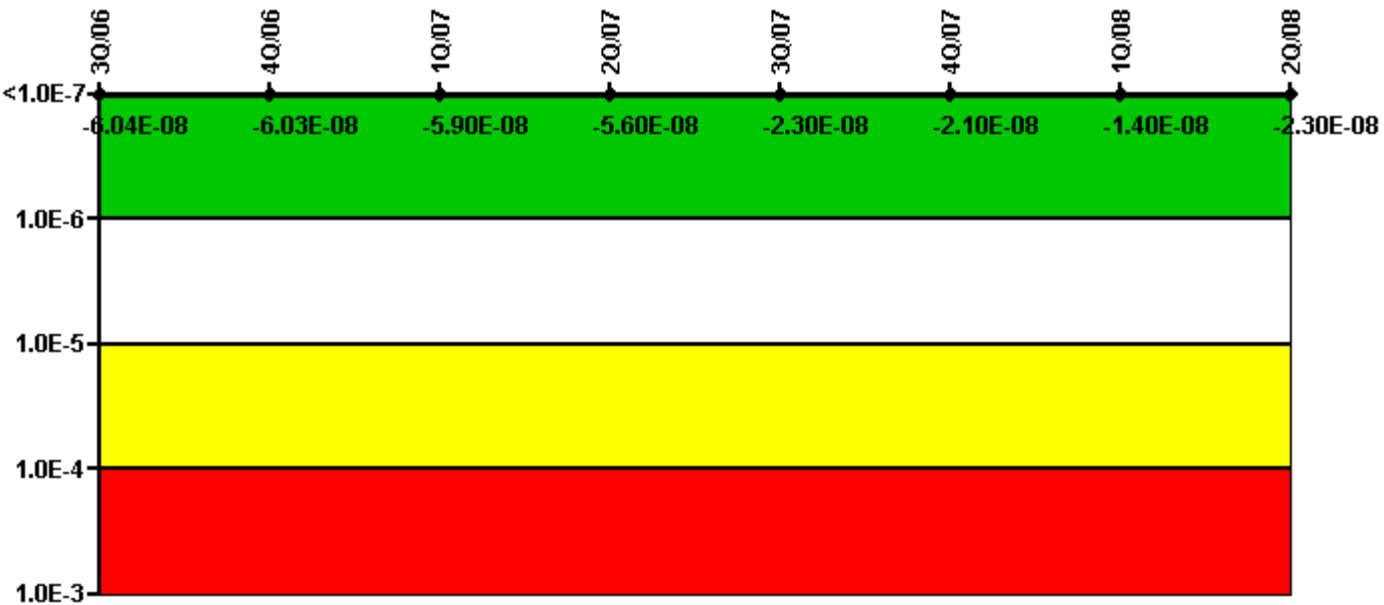
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	-2.40E-08	-1.60E-08	-1.40E-08	-8.30E-09	-9.50E-09	-1.10E-08	-2.60E-08	-1.10E-08
URI ( $\Delta$ CDF)	1.40E-07	1.40E-07	9.50E-08	7.90E-08	7.90E-08	7.90E-08	7.40E-08	-1.10E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.16E-07	1.24E-07	8.10E-08	7.07E-08	6.95E-08	6.80E-08	4.80E-08	-1.21E-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

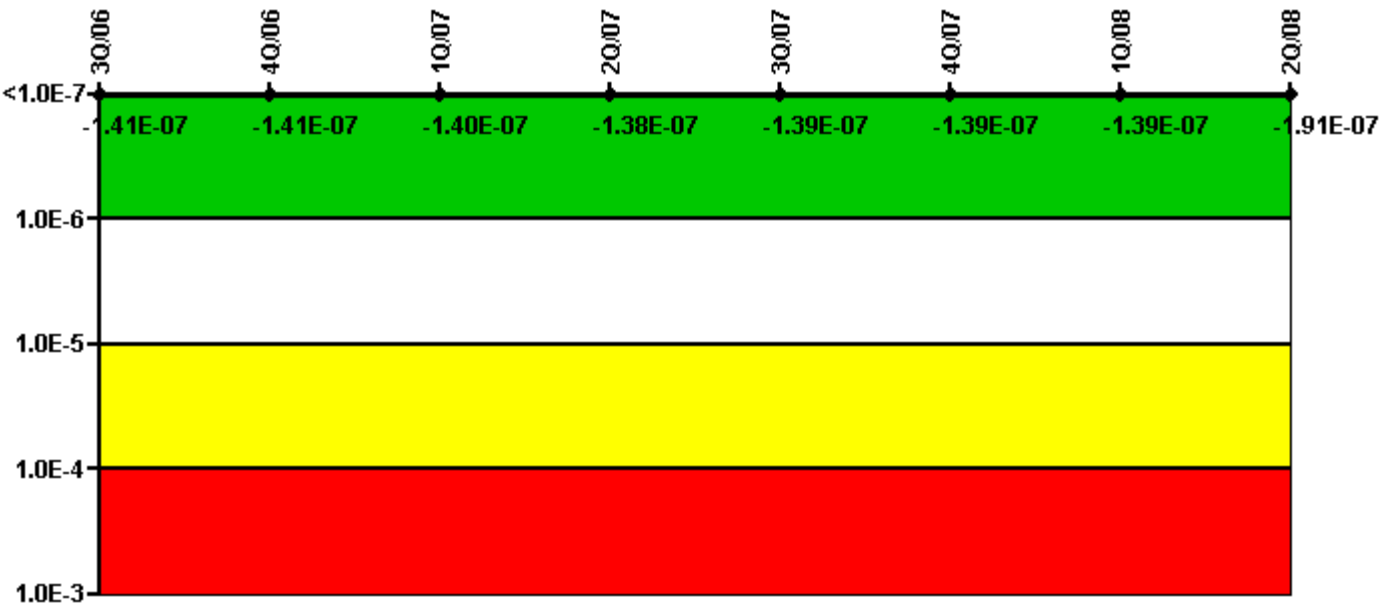
## Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	9.60E-09	9.70E-09	1.10E-08	1.40E-08	1.30E-08	1.50E-08	2.20E-08	1.30E-08
URI ( $\Delta$ CDF)	-7.00E-08	-7.00E-08	-7.00E-08	-7.00E-08	-3.60E-08	-3.60E-08	-3.60E-08	-3.60E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-6.04E-08	-6.03E-08	-5.90E-08	-5.60E-08	-2.30E-08	-2.10E-08	-1.40E-08	-2.30E-08

Licensee Comments: none



# Mitigating Systems Performance Index, Cooling Water Systems



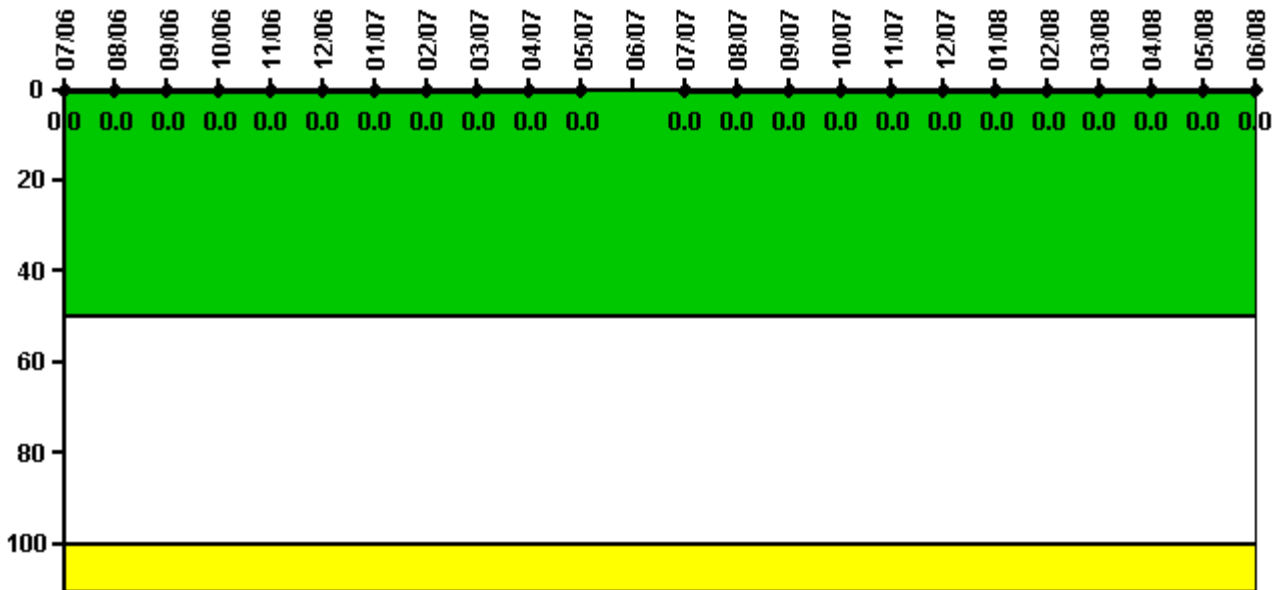
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

## Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
UAI ( $\Delta$ CDF)	1.90E-08	1.90E-08	2.00E-08	2.20E-08	2.10E-08	2.10E-08	2.10E-08	-3.10E-08
URI ( $\Delta$ CDF)	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07	-1.60E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.41E-07	-1.41E-07	-1.40E-07	-1.38E-07	-1.39E-07	-1.39E-07	-1.39E-07	-1.91E-07

Licensee Comments: none

# Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

## Notes

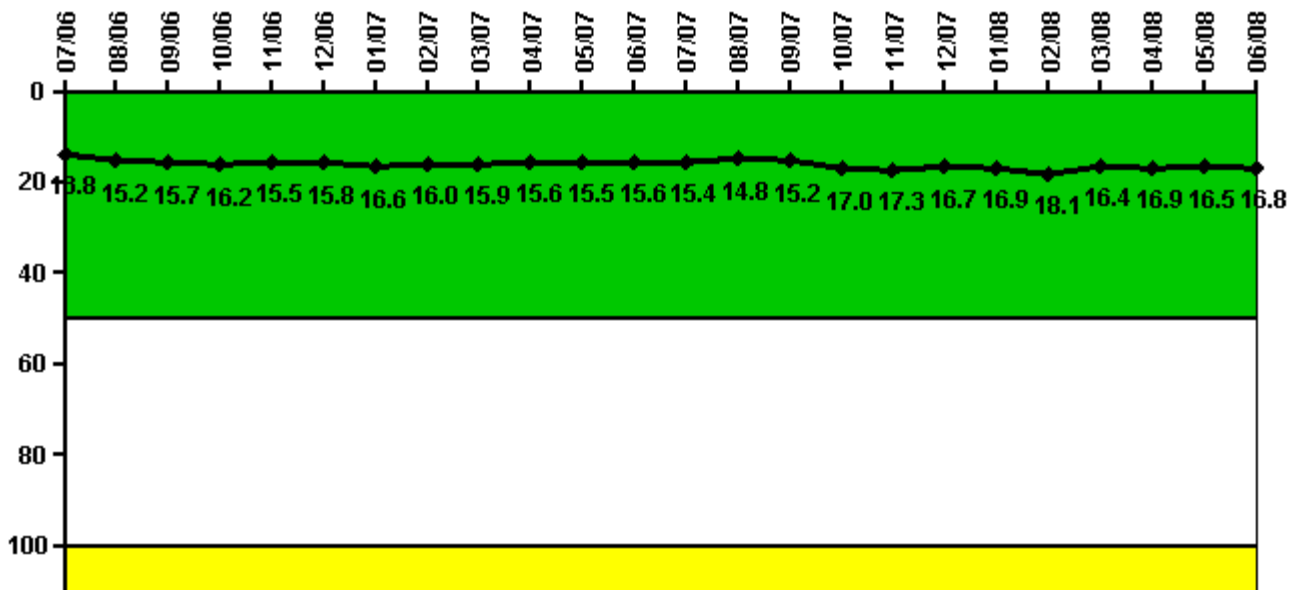
Reactor Coolant System Activity	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum activity	0.000003	0.000003	0.000003	0.000005	0.000004	0.000003	0.000004	0.000005	0.000004	0.000005	0.000005	N/A
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0	N/A

Reactor Coolant System Activity	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum activity	0.000007	0.000008	0.000007	0.000007	0.000006	0.000006	0.000005	0.000005	0.000004	0.000004	0.000004	0.000003
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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

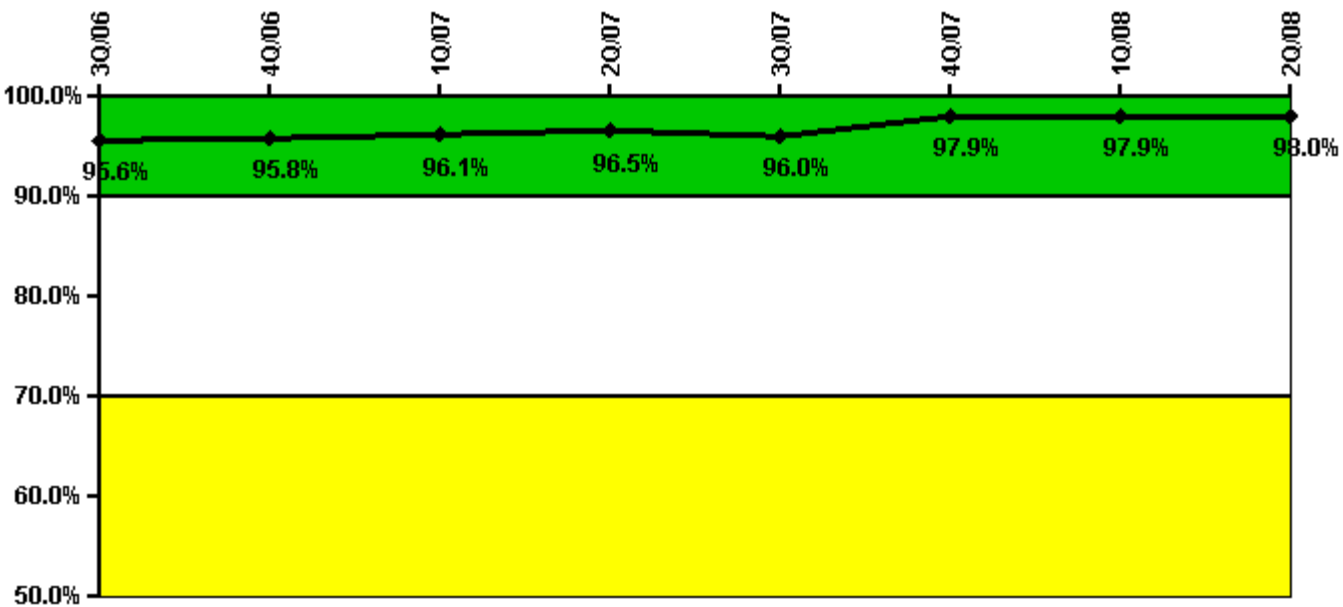
Reactor Coolant System Leakage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Maximum leakage	3.450	3.810	3.930	4.060	3.870	3.960	4.140	4.010	3.970	3.910	3.880	3.890
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	13.8	15.2	15.7	16.2	15.5	15.8	16.6	16.0	15.9	15.6	15.5	15.6

Reactor Coolant System Leakage	7/07	8/07	9/07	10/07	11/07	12/07	1/08	2/08	3/08	4/08	5/08	6/08
Maximum leakage	3.860	3.700	3.810	4.240	4.330	4.170	4.220	4.530	4.100	4.230	4.120	4.200
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	15.4	14.8	15.2	17.0	17.3	16.7	16.9	18.1	16.4	16.9	16.5	16.8

Licensee Comments: none

# Drill/Exercise Performance



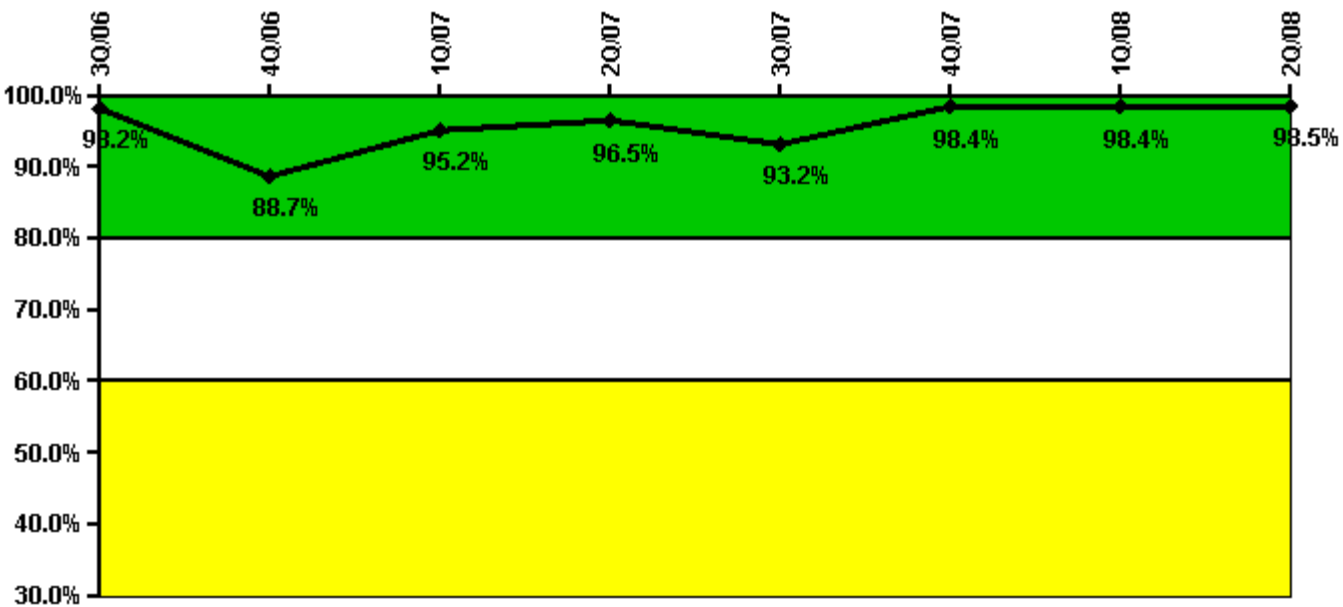
Thresholds: White < 90.0% Yellow < 70.0%

## Notes

Drill/Exercise Performance	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful opportunities	39.0	51.0	37.0	8.0	11.0	53.0	42.0	48.0
Total opportunities	41.0	51.0	37.0	8.0	12.0	54.0	42.0	50.0
Indicator value	95.6%	95.8%	96.1%	96.5%	96.0%	97.9%	97.9%	98.0%

Licensee Comments: none

# ERO Drill Participation



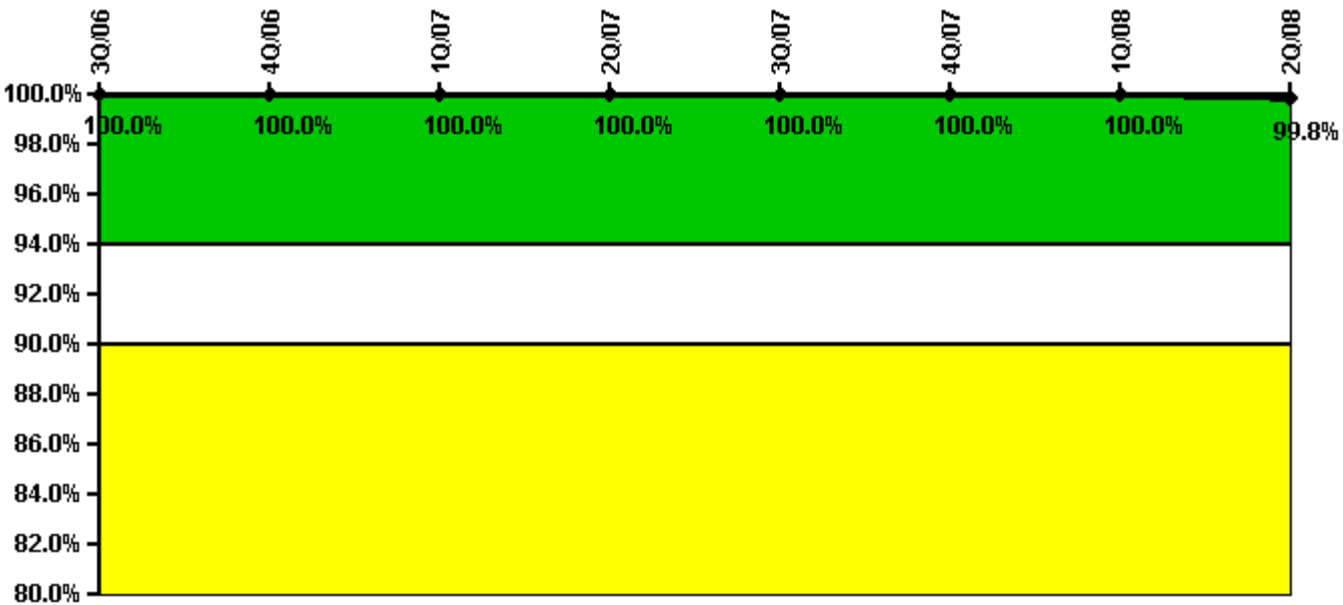
Thresholds: White < 80.0% Yellow < 60.0%

## Notes

ERO Drill Participation	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Participating Key personnel	56.0	55.0	60.0	55.0	55.0	60.0	62.0	64.0
Total Key personnel	57.0	62.0	63.0	57.0	59.0	61.0	63.0	65.0
Indicator value	98.2%	88.7%	95.2%	96.5%	93.2%	98.4%	98.4%	98.5%

Licensee Comments: none

# Alert & Notification System



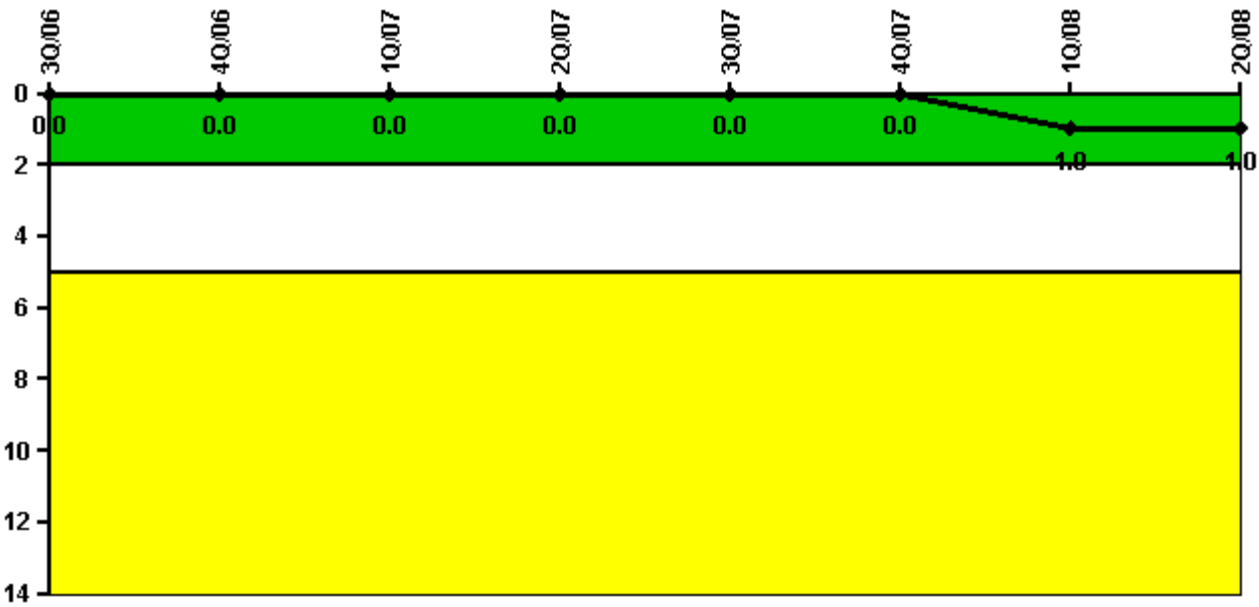
Thresholds: White < 94.0% Yellow < 90.0%

## Notes

Alert & Notification System	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
Successful siren-tests	143	165	143	143	143	154	143	143
Total sirens-tests	143	165	143	143	143	154	143	144
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.8%

Licensee Comments: none

# Occupational Exposure Control Effectiveness



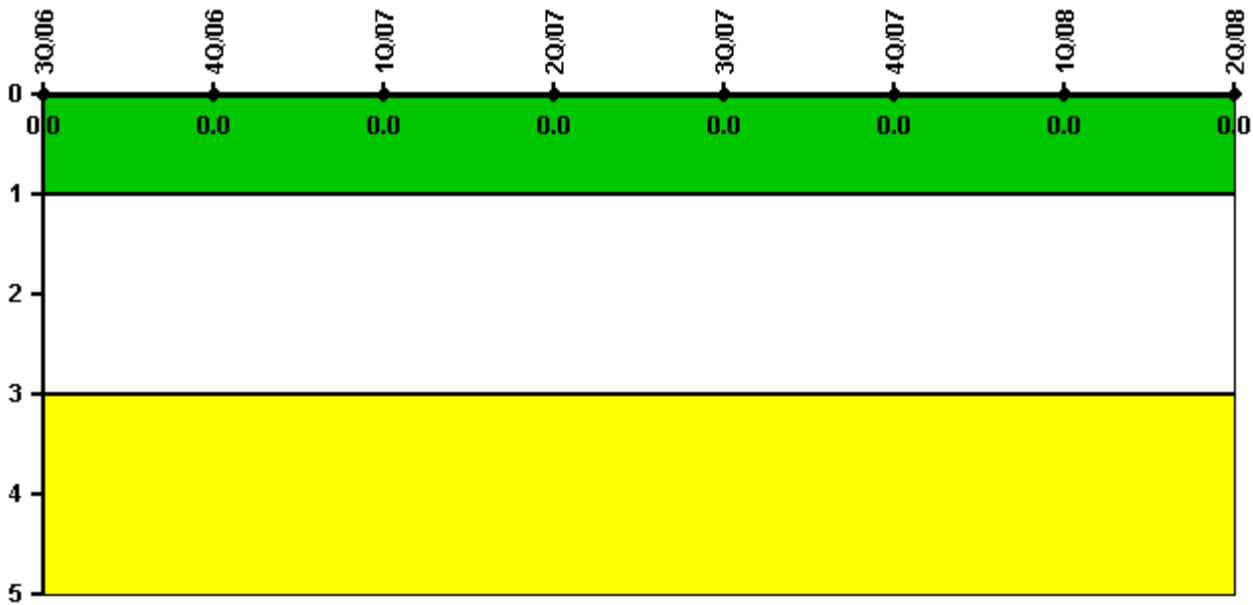
Thresholds: White > 2.0 Yellow > 5.0

## Notes

Occupational Exposure Control Effectiveness	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08
High radiation area occurrences	0	0	0	0	0	0	1	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>1</b>	<b>1</b>

Licensee Comments: none

# RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

## Notes

RETS/ODCM Radiological Effluent	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/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: August 4, 2008