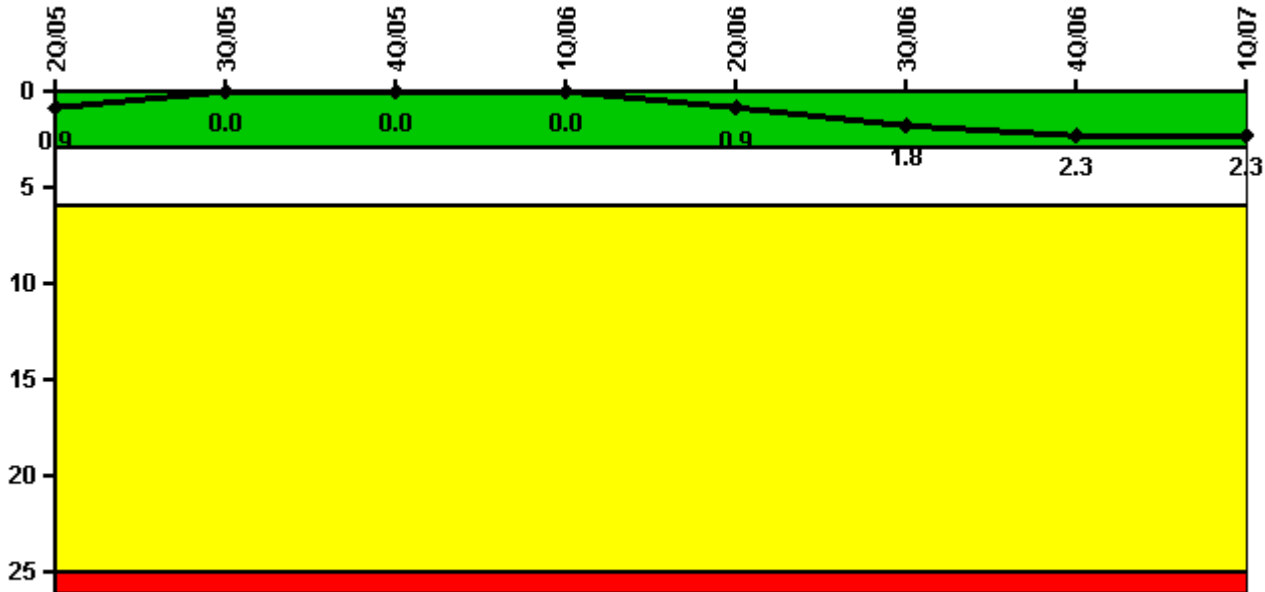


Watts Bar 1

1Q/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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned scrams	0	0	0	0	1.0	1.0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1592.1	1639.2	757.3	2159.0
Indicator value	0.9	0	0	0	0.9	1.8	2.3	2.3

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



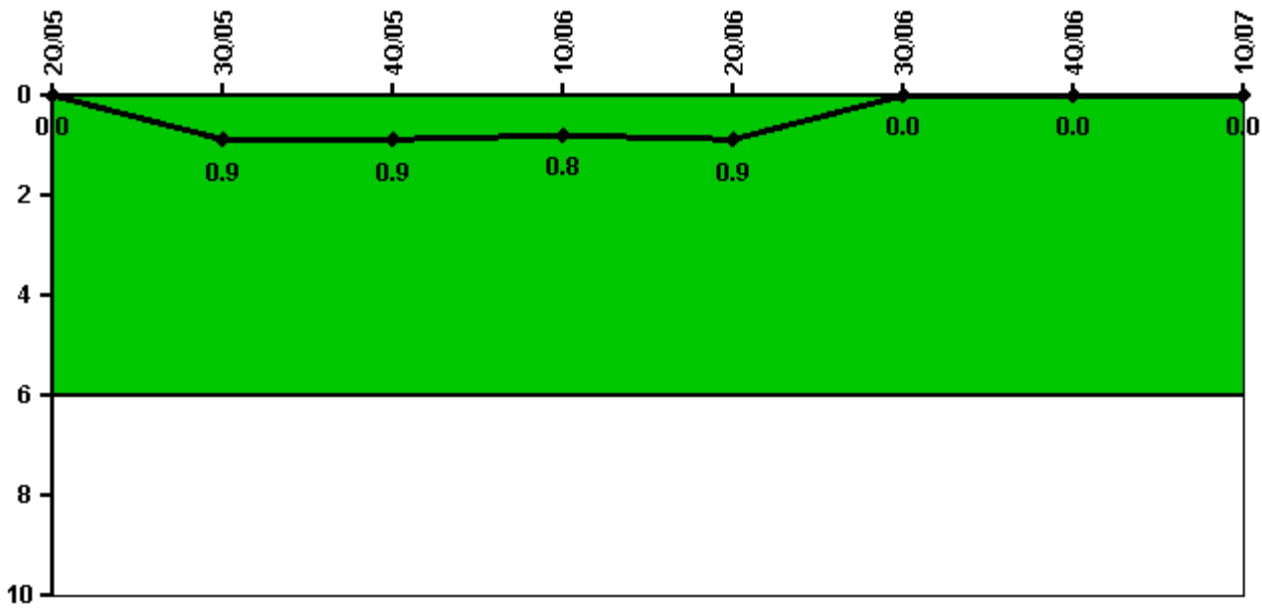
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	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



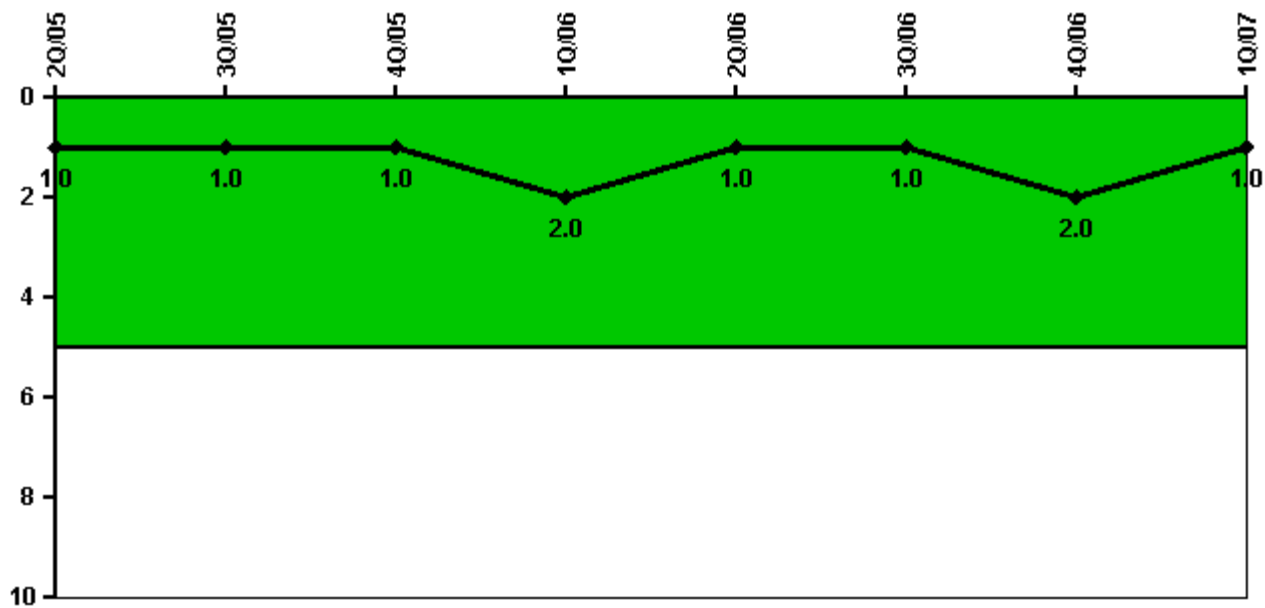
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Unplanned power changes	0	1.0	0	0	0	0	0	0
Critical hours	2183.0	2208.0	2209.0	2160.0	1592.1	1639.2	757.3	2159.0
Indicator value	0	0.9	0.9	0.8	0.9	0	0	0

Licensee Comments: none

Safety System Functional Failures (PWR)



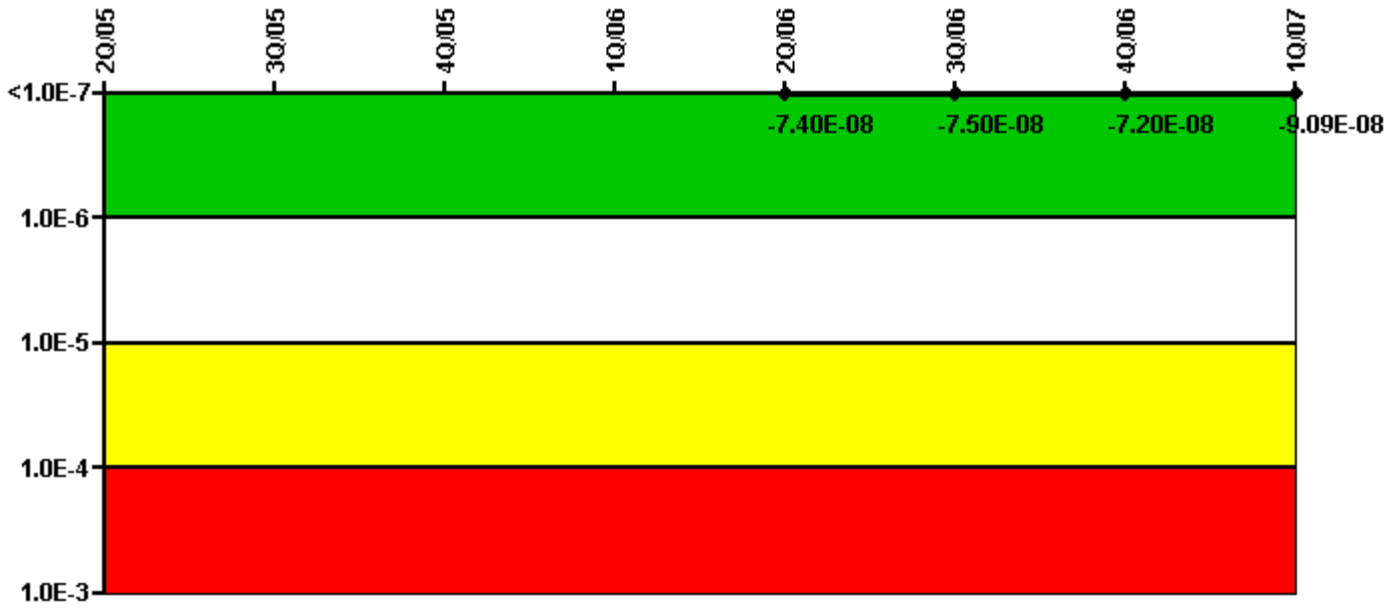
Thresholds: White > 5.0

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	1	0	0	1	0	0	1	0
Indicator value	1	1	1	2	1	1	2	1

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



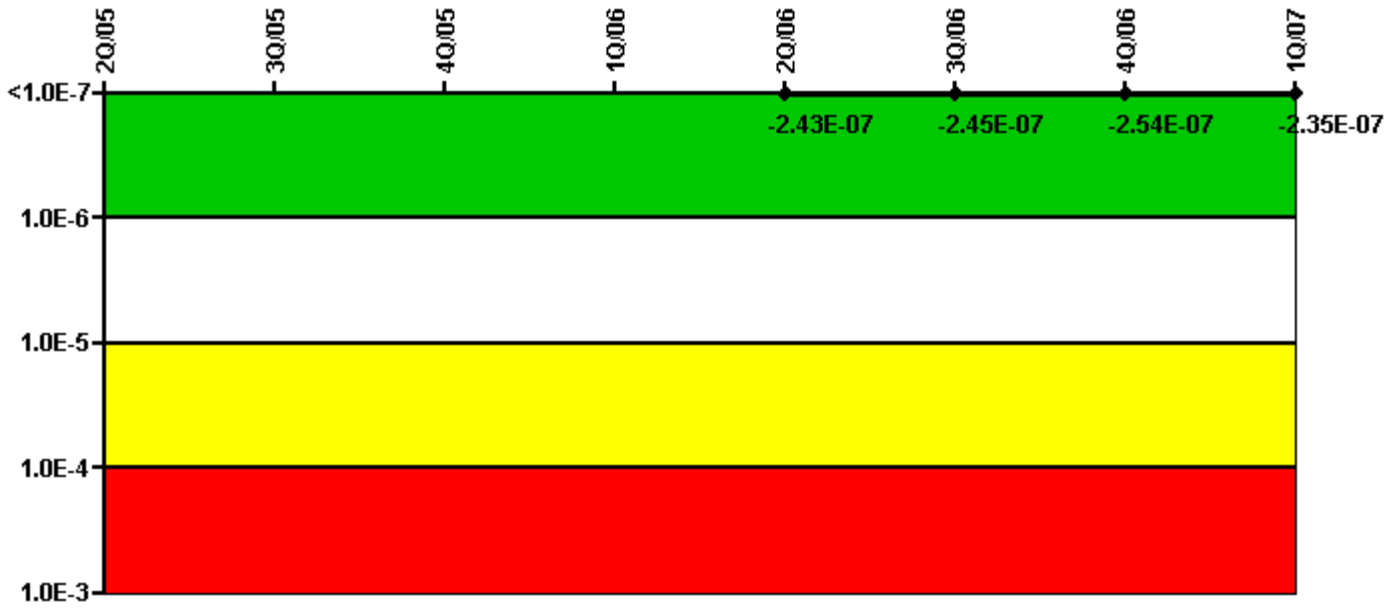
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (ΔCDF)					1.90E-08	1.80E-08	2.10E-08	2.10E-09
URI (ΔCDF)					-9.30E-08	-9.30E-08	-9.30E-08	-9.30E-08
PLE					NO	NO	NO	NO
Indicator value					-7.40E-08	-7.50E-08	-7.20E-08	-9.09E-08

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



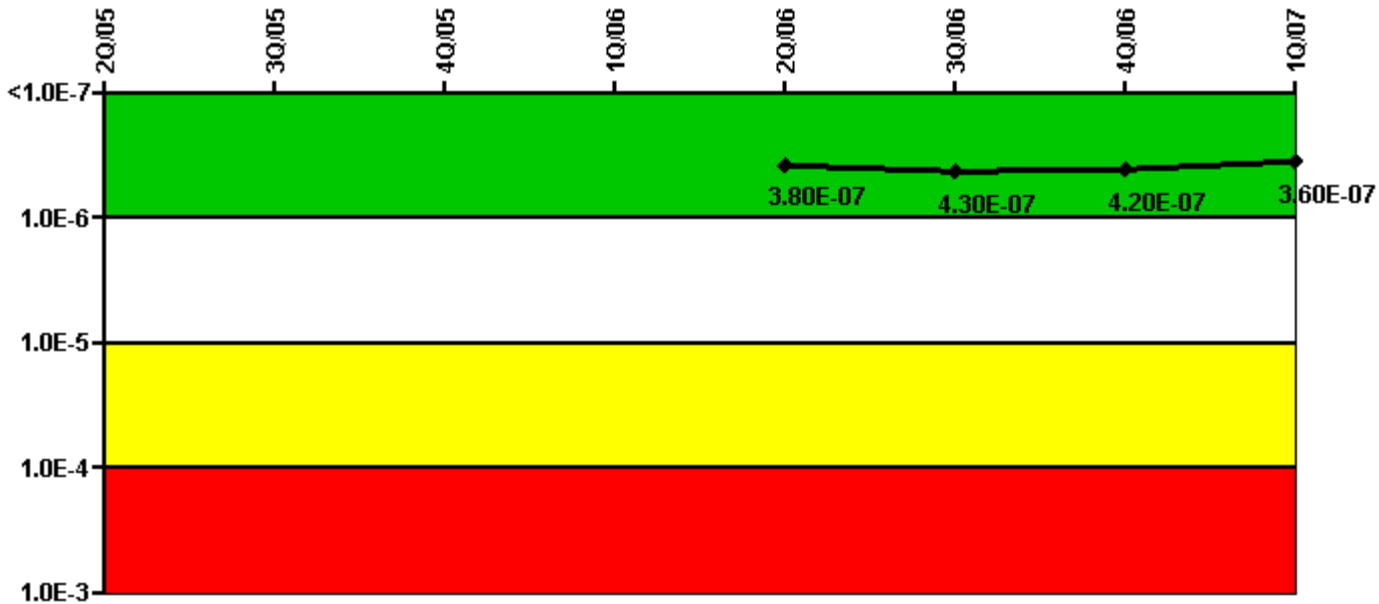
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					7.20E-09	4.80E-09	-4.10E-09	1.50E-08
URI (Δ CDF)					-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE					NO	NO	NO	NO
Indicator value					-2.43E-07	-2.45E-07	-2.54E-07	-2.35E-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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					2.10E-07	2.60E-07	2.50E-07	1.90E-07
URI (ΔCDF)					1.70E-07	1.70E-07	1.70E-07	1.70E-07
PLE					NO	NO	NO	NO
Indicator value					3.80E-07	4.30E-07	4.20E-07	3.60E-07

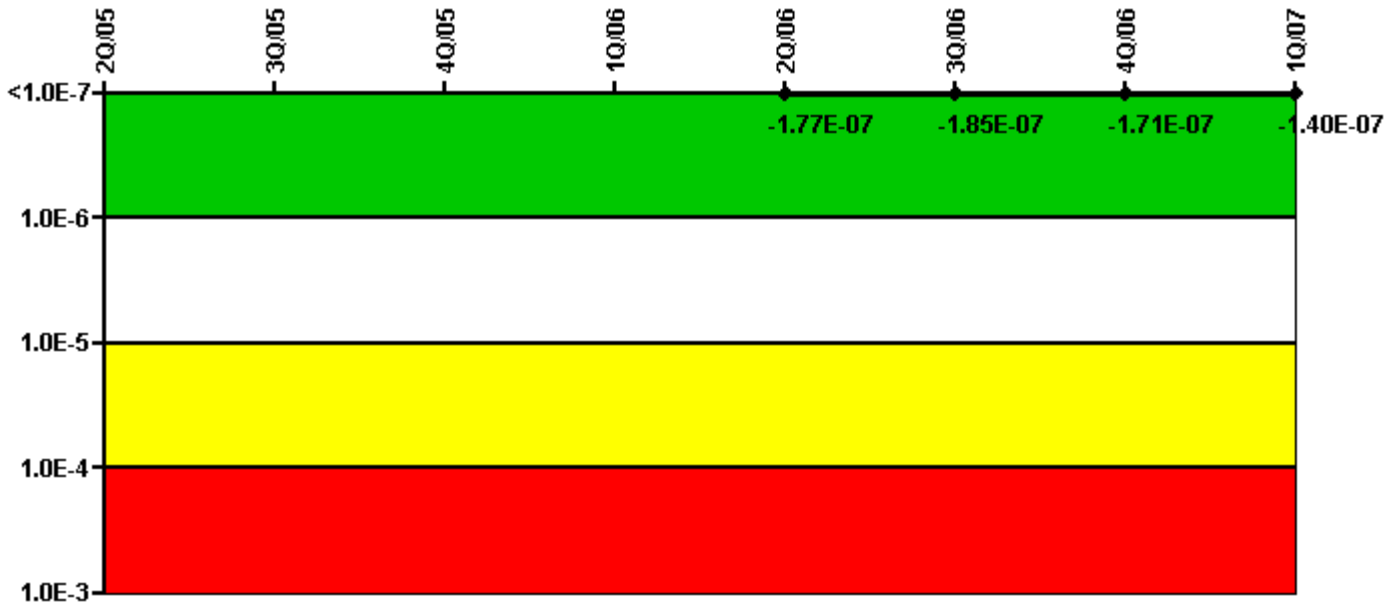
Licensee Comments:

4Q/06: Change to 4Q2006 AFW Mitigating System Performance Index due to correcting the MDAFWPs device record from Running/Alternating to Standby. This change does not affect the color of the indicator.

3Q/06: Change to 3Q2006 AFW Mitigating System Performance Index due to correcting the MDAFWPs device record from Running/Alternating to Standby. This change does not affect the color of the indicator.

2Q/06: Change to 2Q2006 AFW Mitigating System Performance Index due to correcting the MDAFWPs device record from Running/Alternating to Standby. This change does not affect the color of the indicator.

Mitigating Systems Performance Index, Residual Heat Removal System



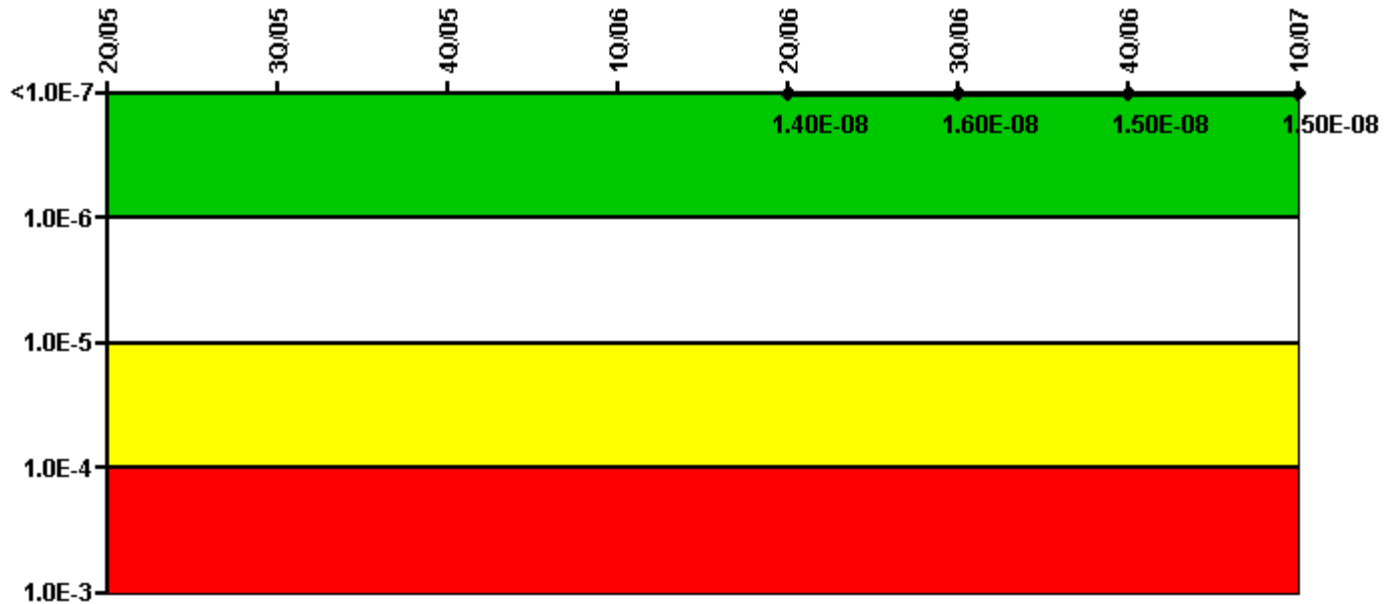
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

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 (Δ CDF)					7.30E-08	6.50E-08	7.90E-08	1.10E-07
URI (Δ CDF)					-2.50E-07	-2.50E-07	-2.50E-07	-2.50E-07
PLE					NO	NO	NO	NO
Indicator value					-1.77E-07	-1.85E-07	-1.71E-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	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (ΔCDF)					2.20E-08	2.40E-08	2.30E-08	2.30E-08
URI (ΔCDF)					-8.00E-09	-8.00E-09	-8.00E-09	-8.00E-09
PLE					NO	NO	NO	NO
Indicator value					1.40E-08	1.60E-08	1.50E-08	1.50E-08

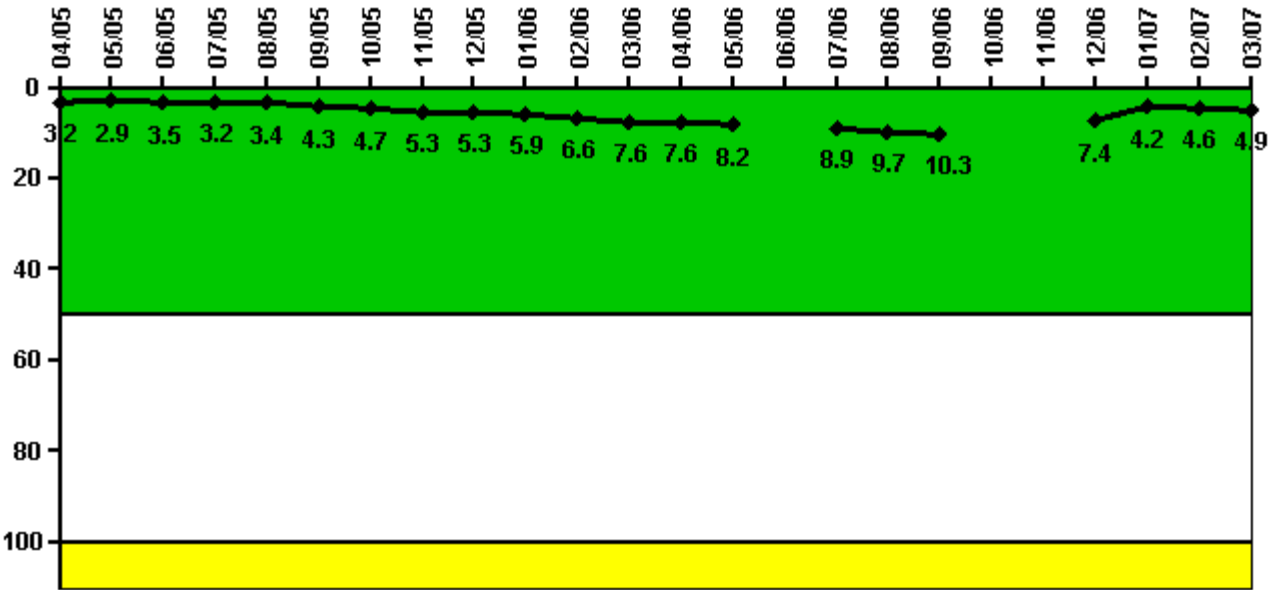
Licensee Comments:

4Q/06: Change to 4Q2006 CWS MSPI. Removed MOV 1-FCV-070-0156A from CWS1 monitored scope based on WBN MSPI Basis Document, page 57 (T25060331172). In addition minor corrections were made to various planned unavailable hours. This change does not affect the color of the indicator.

3Q/06: Change to 3Q2006 CWS MSPI. Removed MOV 1-FCV-070-0156A from CWS1 monitored scope based on WBN MSPI Basis Document, page 57 (T25060331172). In addition minor corrections were made to various planned unavailable hours. This change does not affect the color of the indicator.

2Q/06: Change to 2Q2006 CWS MSPI. Removed MOV 1-FCV-070-0156A from CWS1 monitored scope based on WBN MSPI Basis Document, page 57 (T25060331172). In addition minor corrections were made to various planned unavailable hours. This change does not affect the color of the indicator.

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

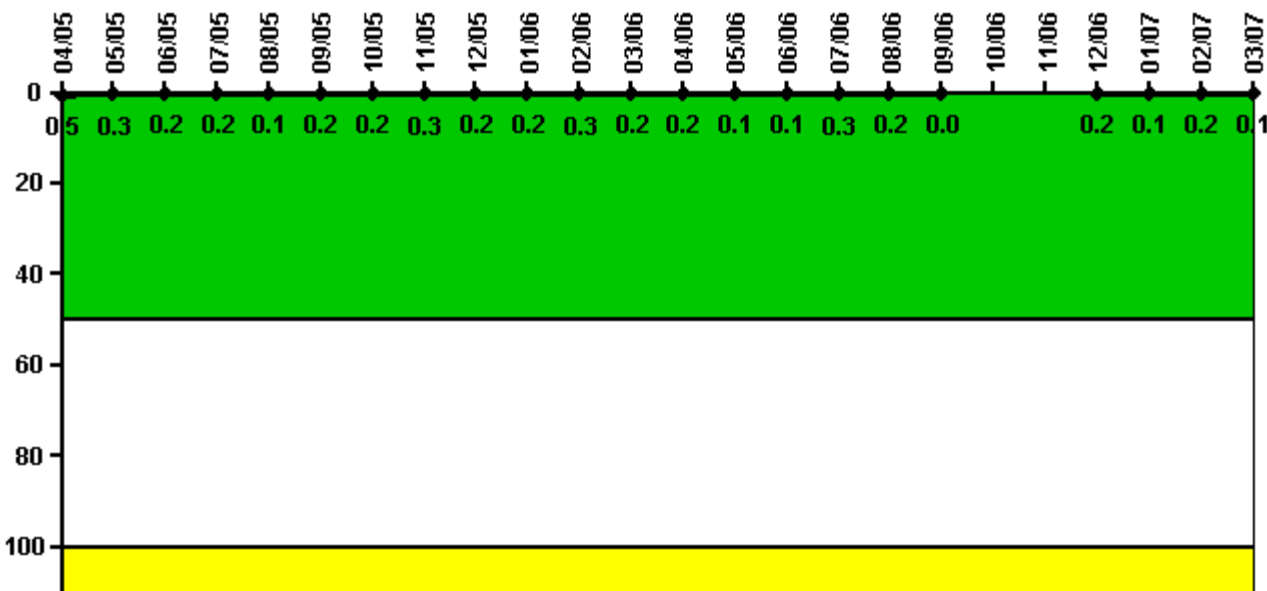
Notes

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	0.008404	0.007575	0.009344	0.008591	0.008921	0.011280	0.012540	0.013960	0.014030	0.015620	0.017400	0.020090
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	2.9	3.5	3.2	3.4	4.3	4.7	5.3	5.3	5.9	6.6	7.6

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	0.020250	0.021810	N/A	0.023580	0.025830	0.027340	N/A	N/A	0.019700	0.011260	0.012140	0.012930
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	7.6	8.2	N/A	8.9	9.7	10.3	N/A	N/A	7.4	4.2	4.6	4.9

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

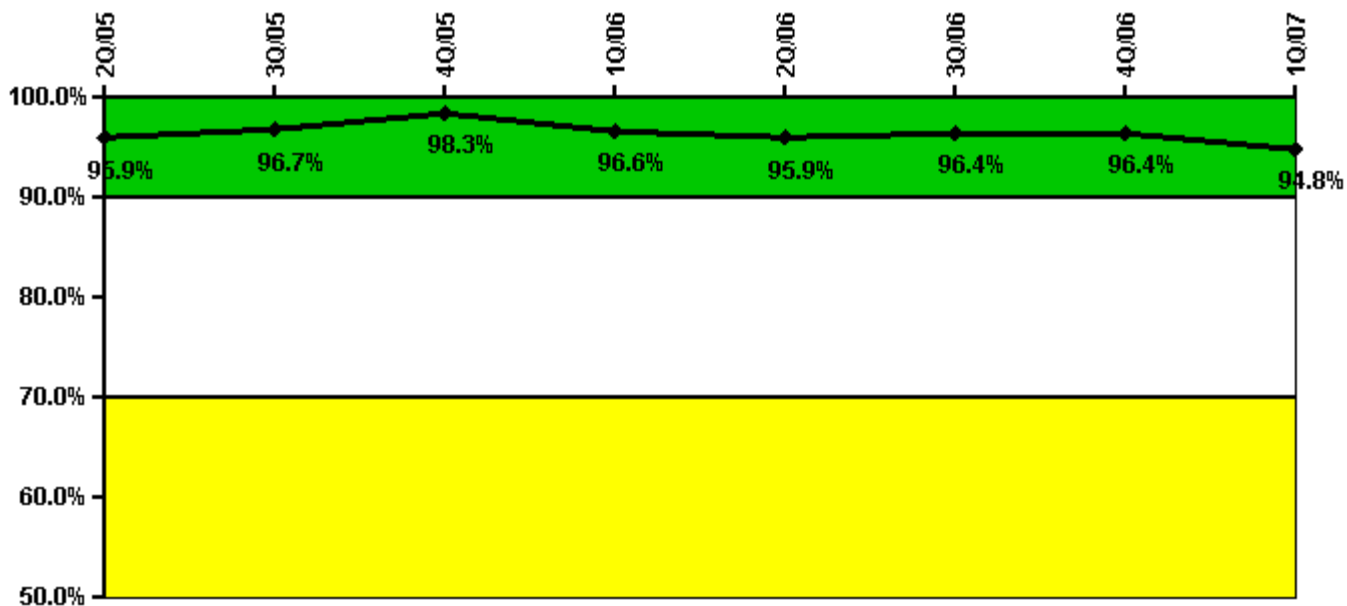
Notes

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	0.050	0.030	0.020	0.020	0.010	0.020	0.020	0.030	0.020	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	0.5	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.3	0.2

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	0.010	0.030	0.020	0	N/A	N/A	0.020	0.010	0.020	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	0.1	0.3	0.2	0	N/A	N/A	0.2	0.1	0.2	0.1

Licensee Comments: none

Drill/Exercise Performance



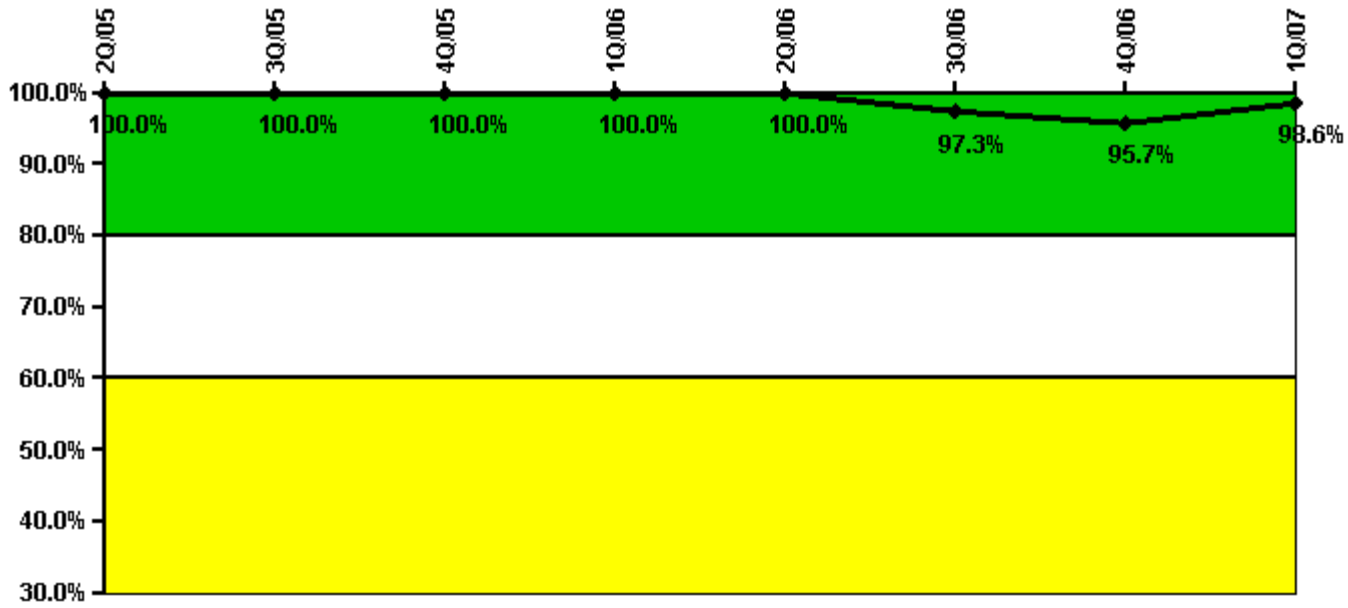
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	4.0	32.0	26.0	27.0	16.0	37.0	2.0	21.0
Total opportunities	4.0	32.0	26.0	30.0	18.0	38.0	2.0	24.0
Indicator value	95.9%	96.7%	98.3%	96.6%	95.9%	96.4%	96.4%	94.8%

Licensee Comments: none

ERO Drill Participation



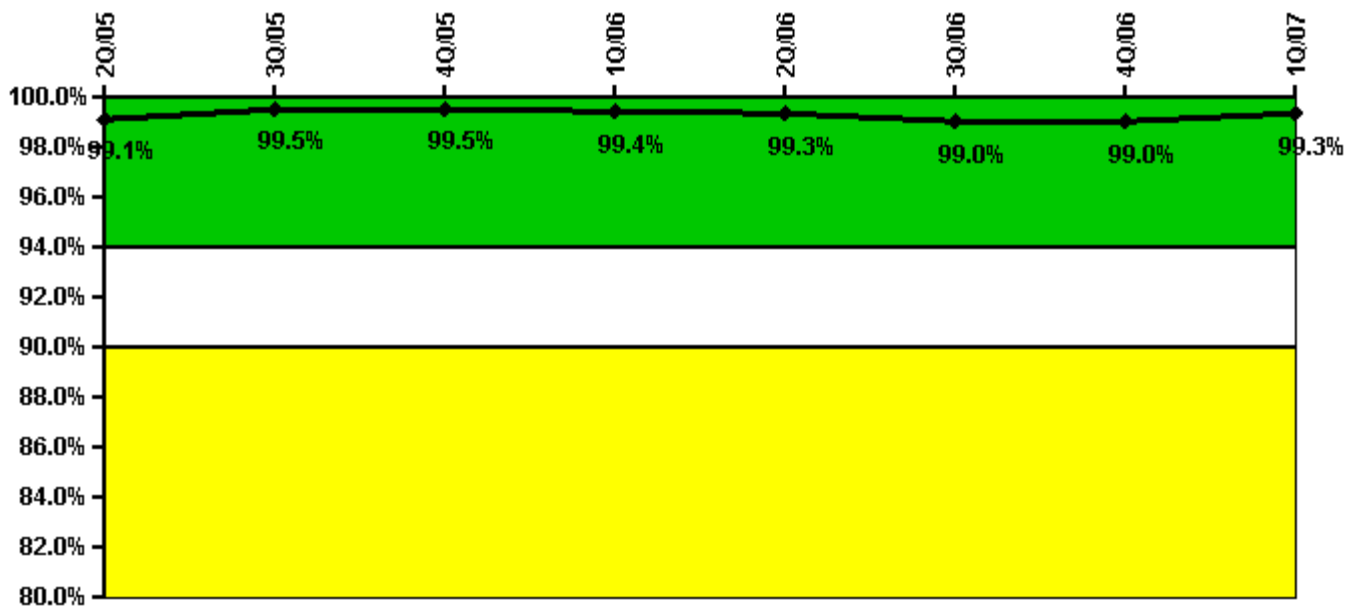
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	69.0	72.0	70.0	73.0	79.0	71.0	67.0	70.0
Total Key personnel	69.0	72.0	70.0	73.0	79.0	73.0	70.0	71.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	97.3%	95.7%	98.6%

Licensee Comments: none

Alert & Notification System



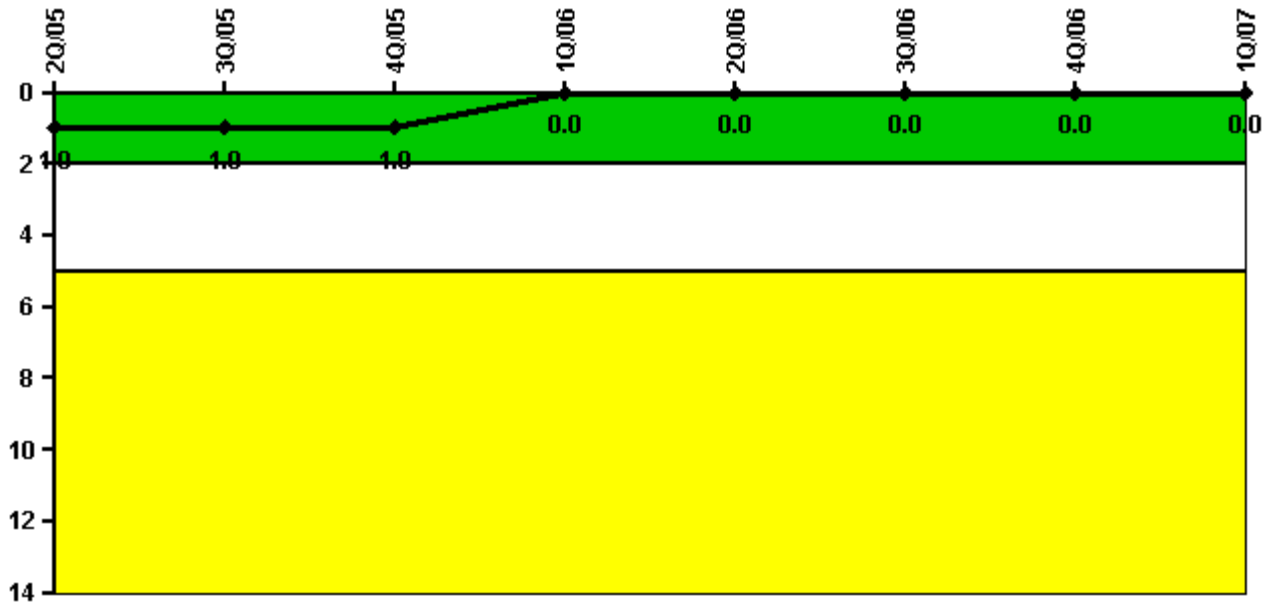
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	988	787	787	685	788	778	788	692
Total sirens-tests	990	792	792	693	792	792	792	693
Indicator value	99.1%	99.5%	99.5%	99.4%	99.3%	99.0%	99.0%	99.3%

Licensee Comments: none

Occupational Exposure Control Effectiveness



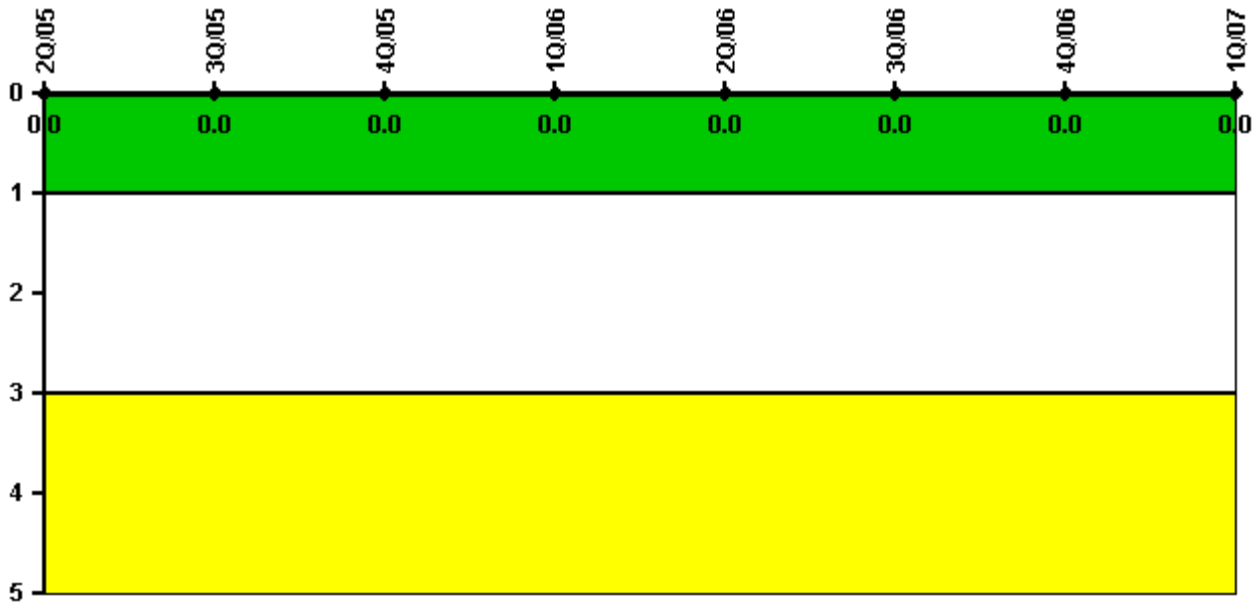
Thresholds: White > 2.0 Yellow > 5.0

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
Indicator value	1	1	1	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/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.

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

Last Modified: June 1, 2007