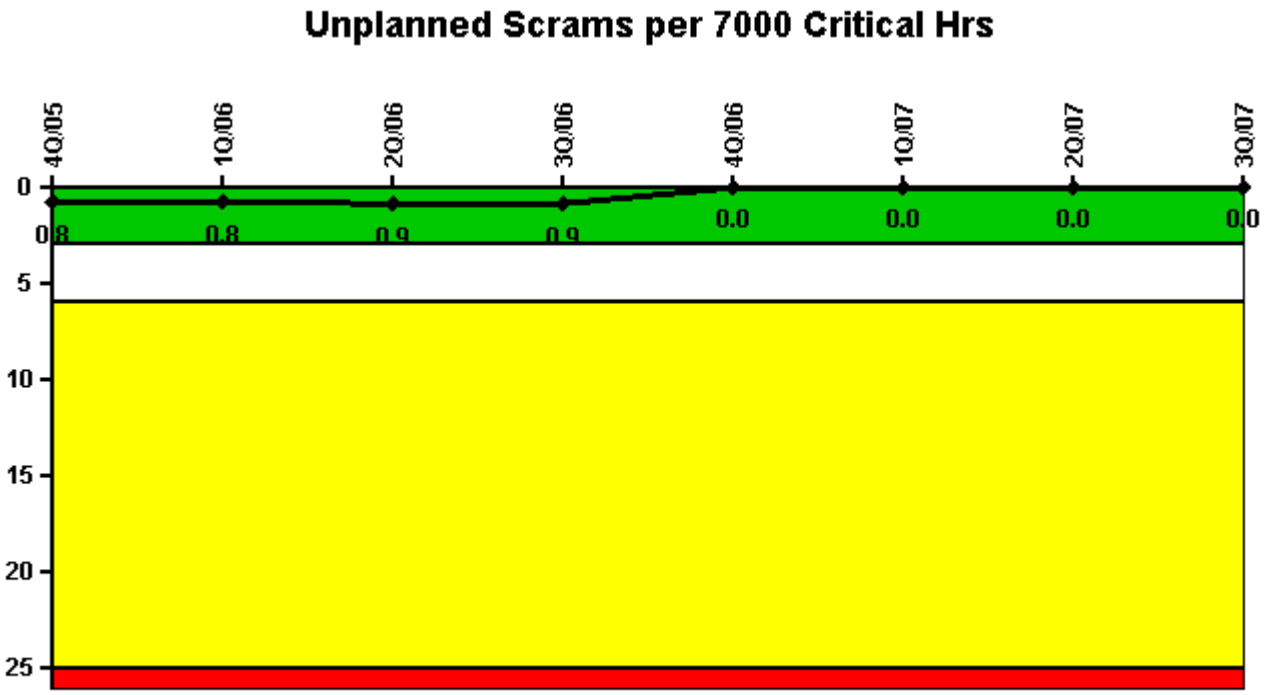
D.C. Cook 2

3Q/2007 Performance Indicators

Licensee's General Comments: none



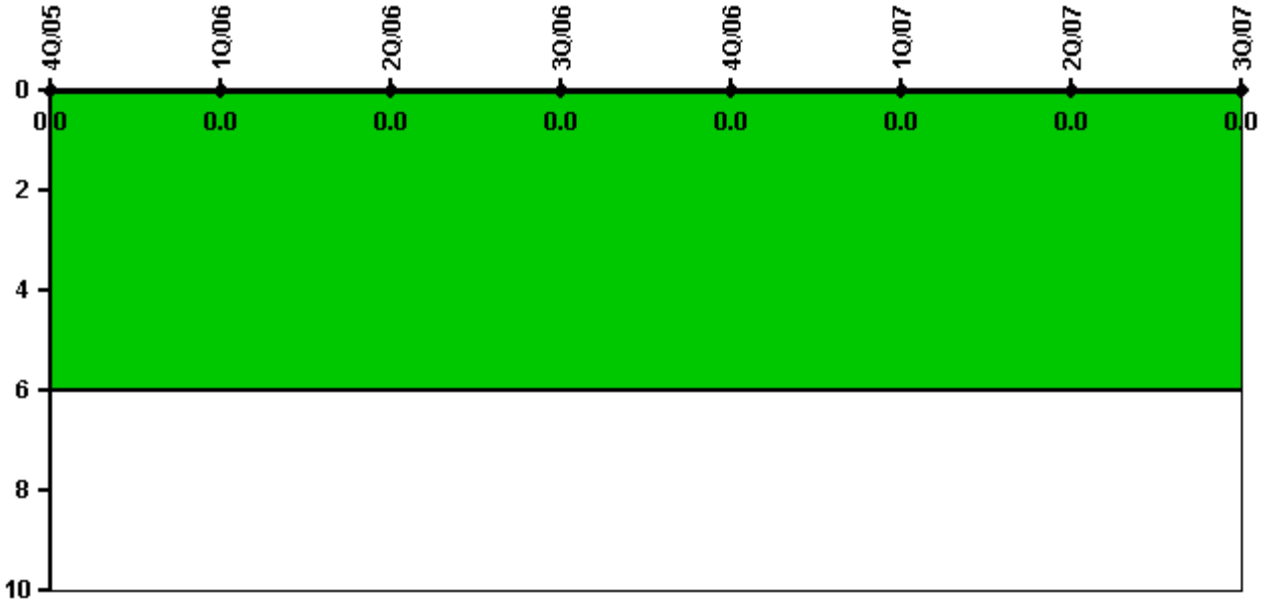
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned scrams	1.0	0	0	0	0	0	0	0
Critical hours	2147.6	1992.0	1331.7	2208.0	2209.0	2159.0	2184.0	1824.0
Indicator value	**0.8**	**0.8**	**0.9**	**0.9**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



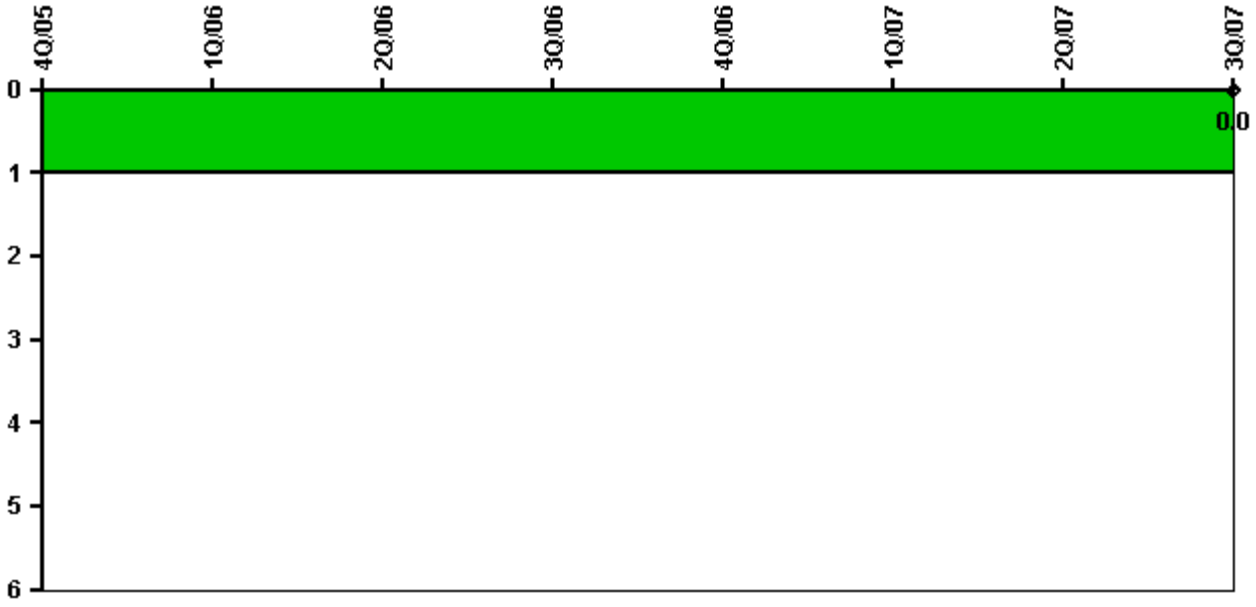
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2147.6	1992.0	1331.7	2208.0	2209.0	2159.0	2184.0	1824.0
Indicator value	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Licensee Comments: none

Unplanned Scrams with Complications



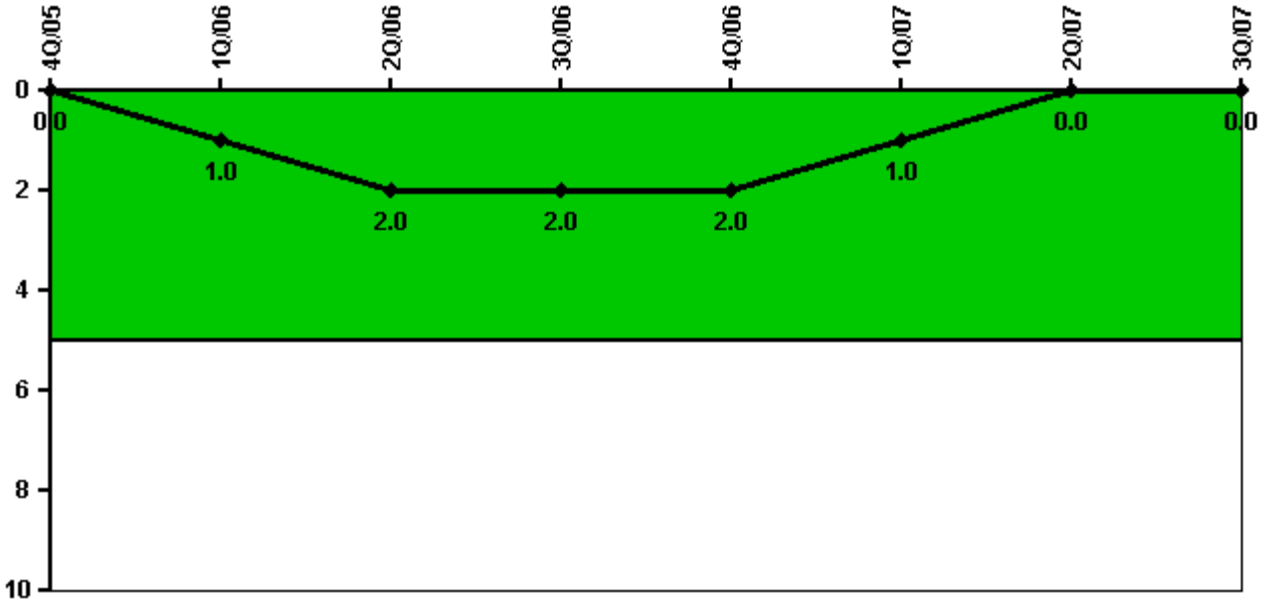
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Scrams with complications					0	0	0	0
Indicator value								**0.0**

Licensee Comments: none

Safety System Functional Failures (PWR)



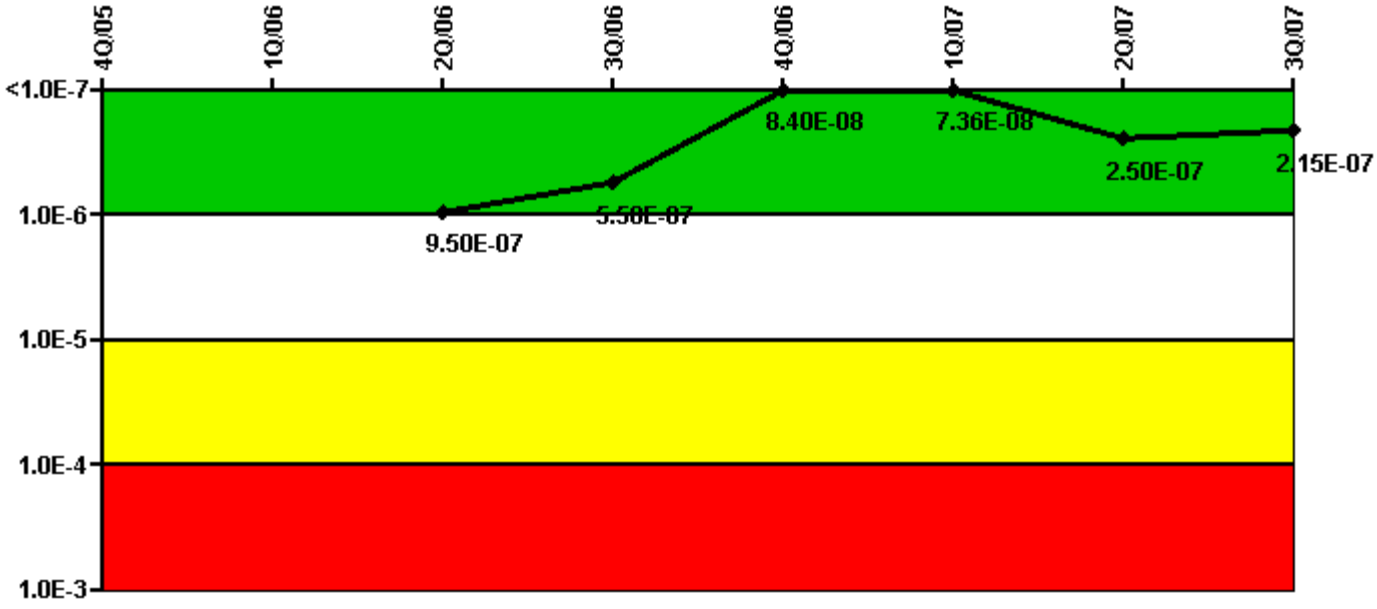
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



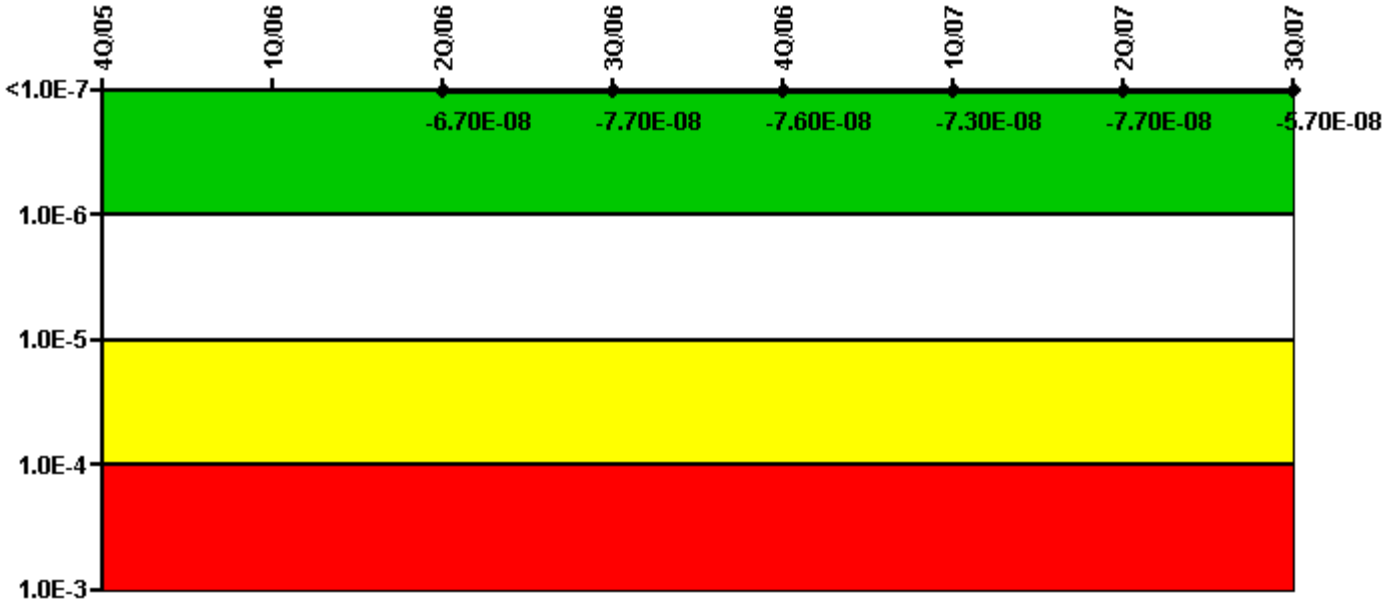
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Emergency AC Power System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			1.50E-07	9.80E-08	1.20E-08	1.60E-09	1.00E-08	5.40E-09
URI (ΔCDF)			8.00E-07	4.60E-07	7.20E-08	7.20E-08	2.40E-07	2.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**9.50E-07**	**5.58E-07**	**8.40E-08**	**7.36E-08**	**2.50E-07**	**2.15E-07**

Licensee Comments: none

Mitigating Systems Performance Index, High Pressure Injection System



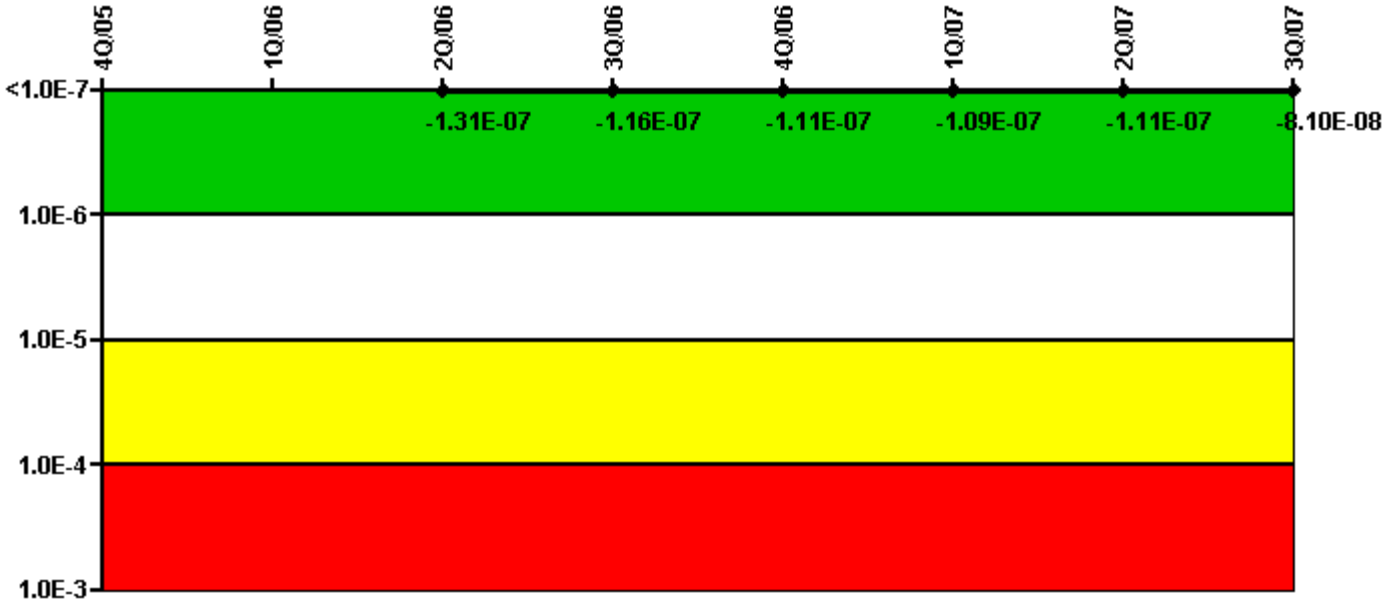
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, High Pressure Injection System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-2.20E-08	-2.90E-08	-3.40E-08	-3.10E-08	-3.50E-08	-2.20E-08
URI (ΔCDF)			-4.50E-08	-4.80E-08	-4.20E-08	-4.20E-08	-4.20E-08	-3.50E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-6.70E-08**	**-7.70E-08**	**-7.60E-08**	**-7.30E-08**	**-7.70E-08**	**-5.70E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Heat Removal System



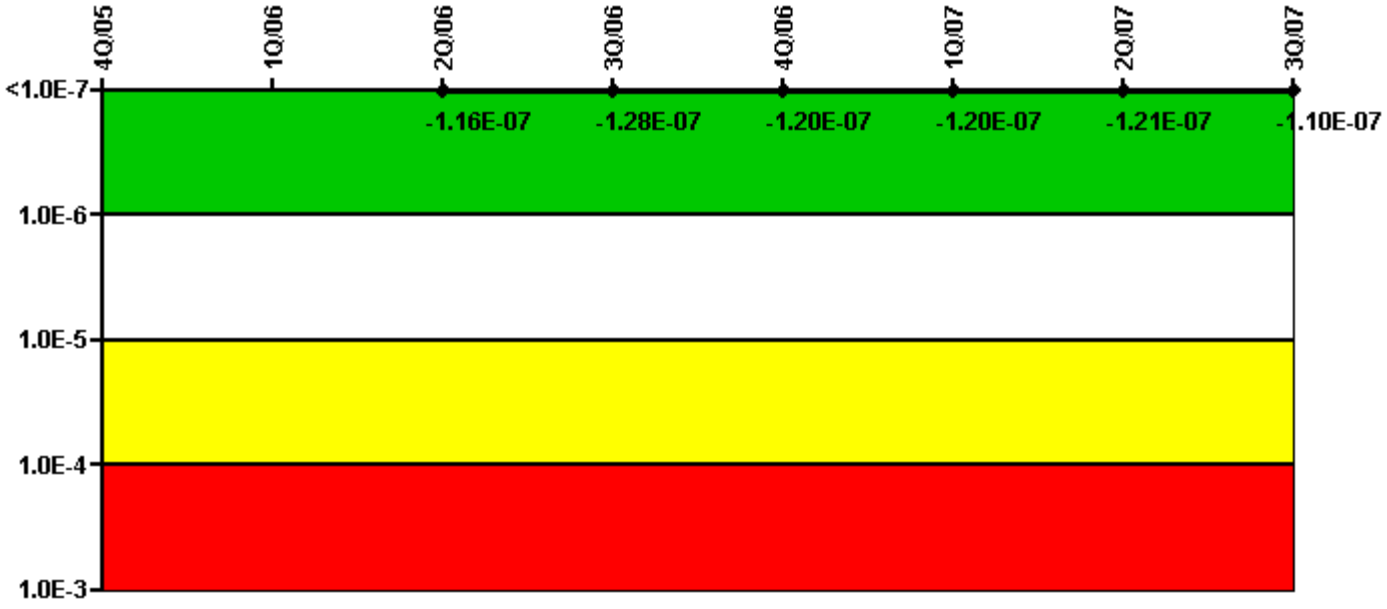
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			-4.20E-08	-2.30E-08	-3.00E-08	-3.00E-08	-3.40E-08	-2.20E-08
URI (ΔCDF)			-8.90E-08	-9.30E-08	-8.10E-08	-7.90E-08	-7.70E-08	-5.90E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.31E-07**	**-1.16E-07**	**-1.11E-07**	**-1.09E-07**	**-1.11E-07**	**-8.10E-08**

Licensee Comments: none

Mitigating Systems Performance Index, Residual Heat Removal System



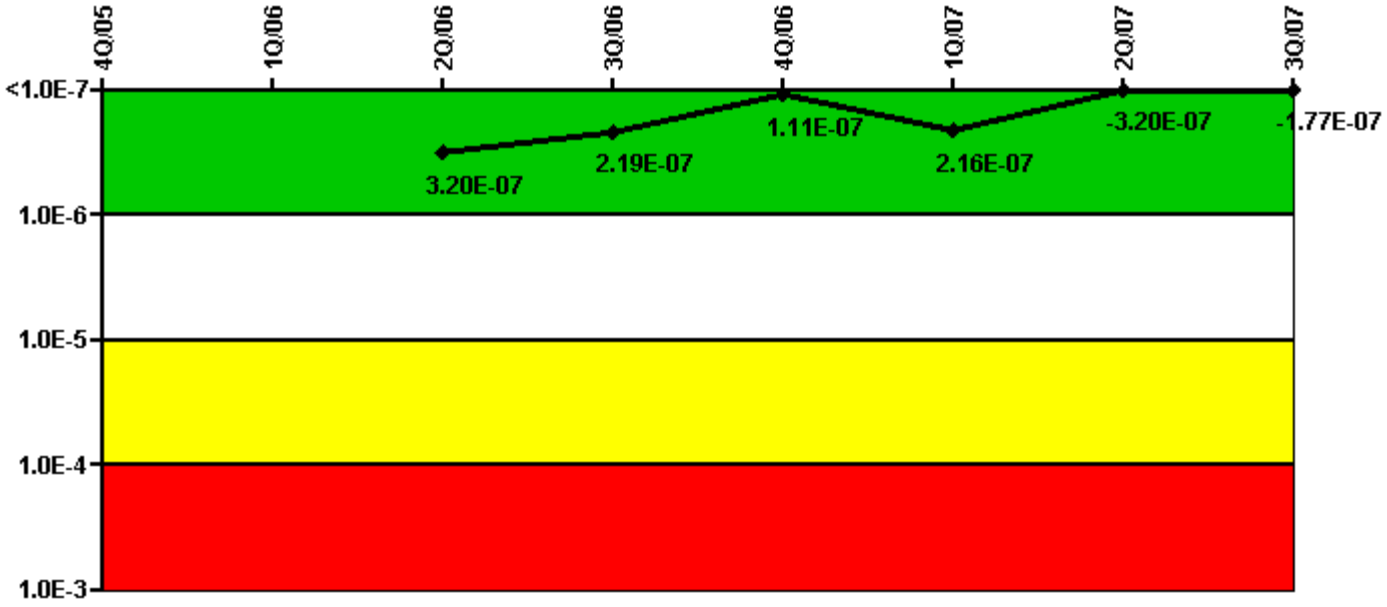
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Residual Heat Removal System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			4.20E-09	1.70E-09	-2.40E-10	-2.60E-10	-8.40E-10	-2.00E-10
URI (ΔCDF)			-1.20E-07	-1.30E-07	-1.20E-07	-1.20E-07	-1.20E-07	-1.10E-07
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**-1.16E-07**	**-1.28E-07**	**-1.20E-07**	**-1.20E-07**	**-1.21E-07**	**-1.10E-07**

Licensee Comments: none

Mitigating Systems Performance Index, Cooling Water Systems



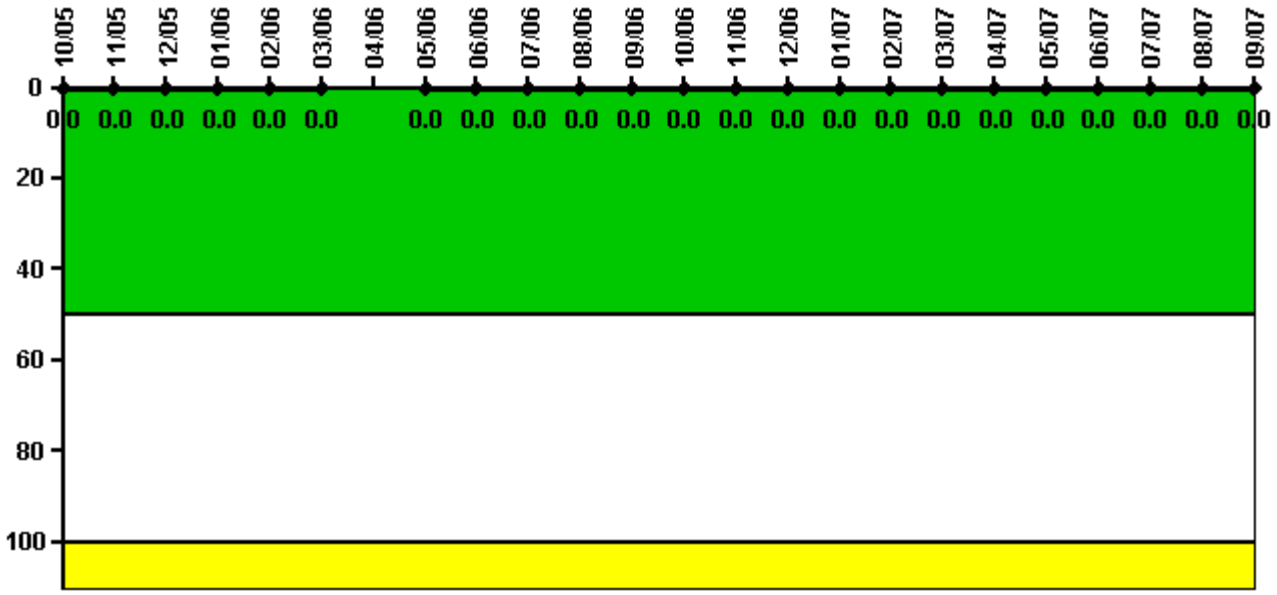
Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

Notes

Mitigating Systems Performance Index, Cooling Water Systems	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
UAI (ΔCDF)			1.60E-07	2.90E-08	-5.90E-08	4.60E-08	-1.10E-07	-1.00E-07
URI (ΔCDF)			1.60E-07	1.90E-07	1.70E-07	1.70E-07	-2.10E-07	-7.70E-08
PLE			NO	NO	NO	NO	NO	NO
Indicator value			**3.20E-07**	**2.19E-07**	**1.11E-07**	**2.16E-07**	**-3.20E-07**	**-1.77E-07**

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

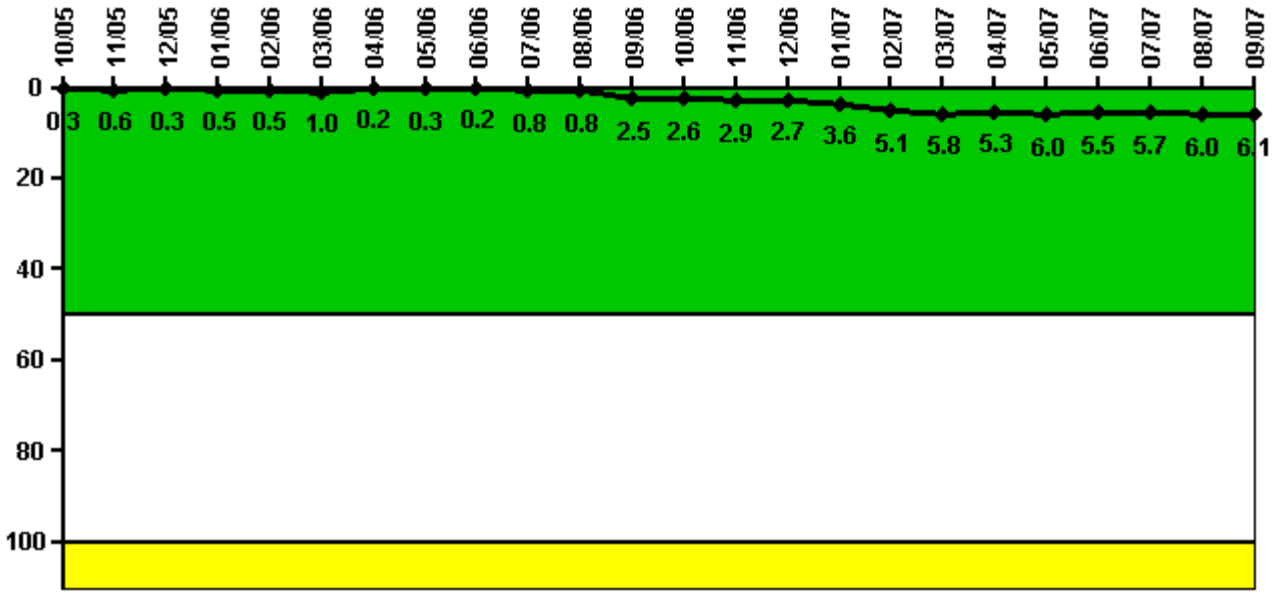
Notes

Reactor Coolant System Activity	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum activity	0.000213	0.000224	0.000222	0.000286	0.000292	0.000294	N/A	0.000121	0.000127	0.000132	0.000142	0.000168
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**	**N/A**	**0**	**0**	**0**	**0**	**0**

Reactor Coolant System Activity	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07	7/07	8/07	9/07
Maximum activity	0.000191	0.000152	0.000150	0.000148	0.000154	0.000177	0.000228	0.000223	0.000219	0.000216	0.000295	0.000240
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



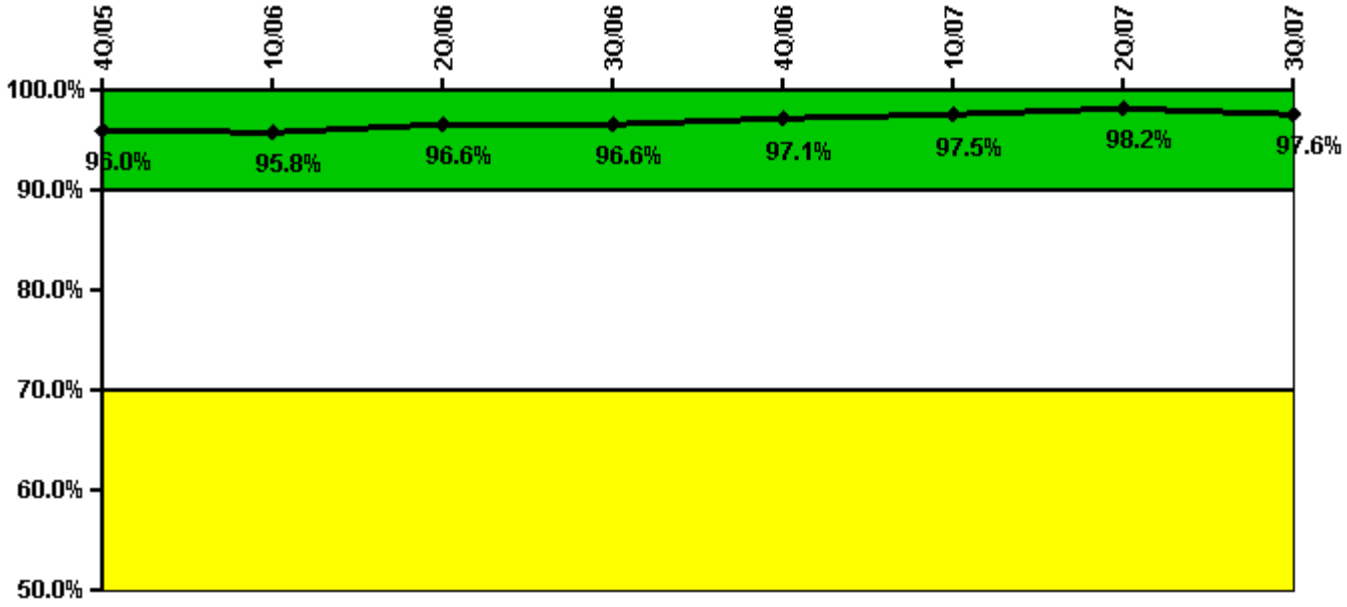
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	10/05	11/05	12/05	1/06	2/06	3/06	4/06	5/06	6/06	7/06	8/06	9/06
Maximum leakage	0.031	0.070	0.036	0.057	0.053	0.114	0.021	0.033	0.022	0.086	0.090	0.280
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	**0.3**	**0.6**	**0.3**	**0.5**	**0.5**	**1.0**	**0.2**	**0.3**	**0.2**	**0.8**	**0.8**	**2.5**
Reactor Coolant System Leakage	**10/06**	**11/06**	**12/06**	**1/07**	**2/07**	**3/07**	**4/07**	**5/07**	**6/07**	**7/07**	**8/07**	**9/07**
Maximum leakage	0.289	0.323	0.299	0.391	0.560	0.638	0.586	0.656	0.603	0.626	0.657	0.673
Technical specification limit	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Indicator value	**2.6**	**2.9**	**2.7**	**3.6**	**5.1**	**5.8**	**5.3**	**6.0**	**5.5**	**5.7**	**6.0**	**6.1**

Licensee Comments: none

Drill/Exercise Performance



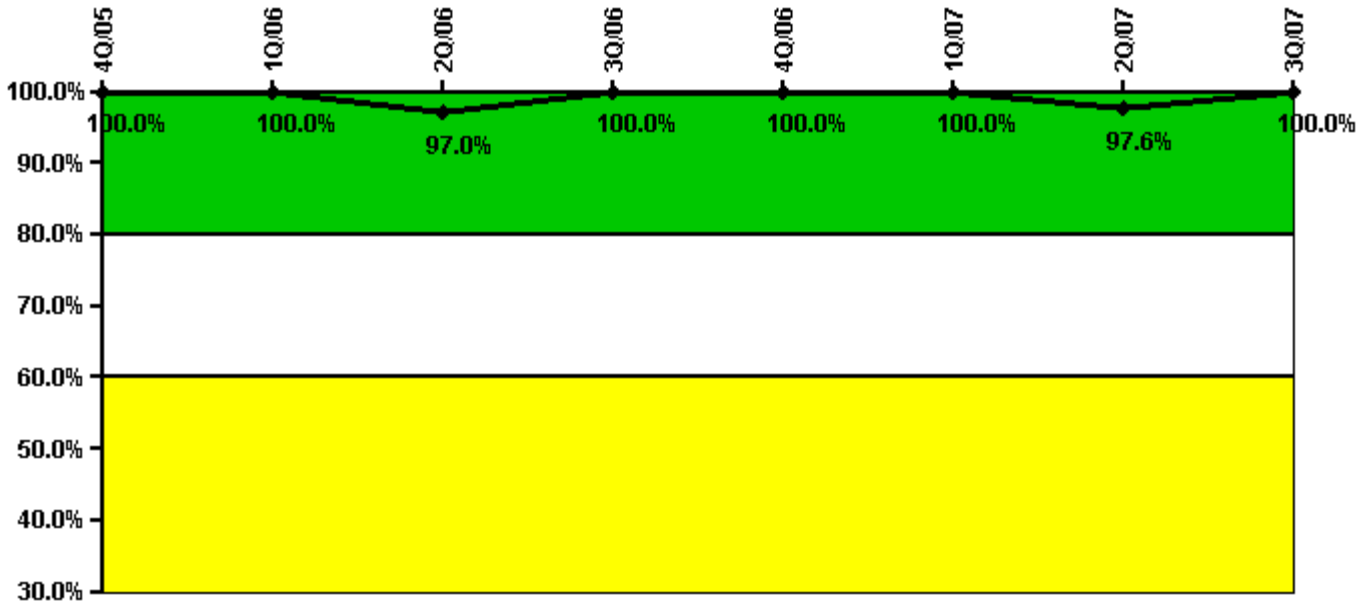
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful opportunities	58.0	78.0	84.0	57.0	130.0	113.0	121.0	43.0
Total opportunities	59.0	82.0	85.0	60.0	130.0	114.0	121.0	50.0
Indicator value	**96.0%**	**95.8%**	**96.6%**	**96.6%**	**97.1%**	**97.5%**	**98.2%**	**97.6%**

Licensee Comments: none

ERO Drill Participation



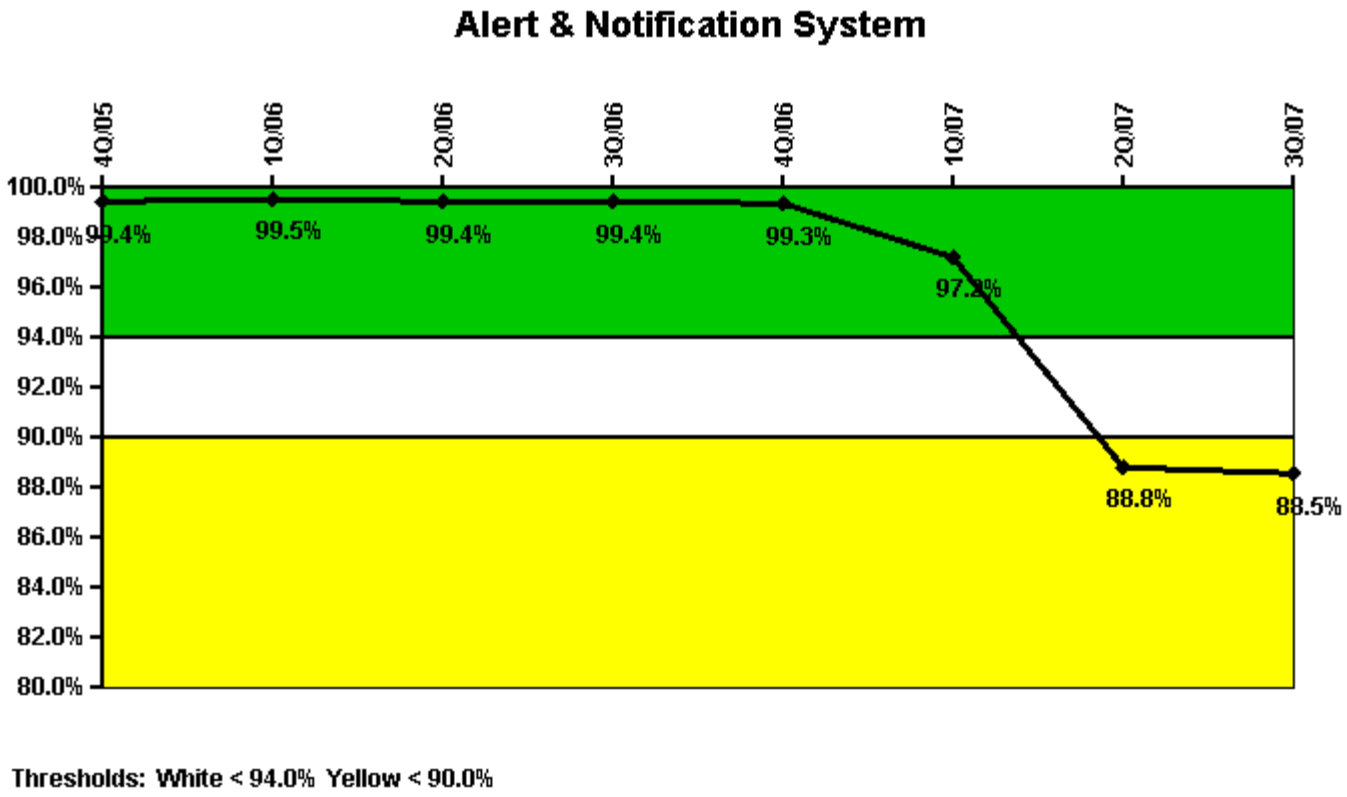
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Participating Key personnel	144.0	147.0	159.0	157.0	157.0	161.0	165.0	161.0
Total Key personnel	144.0	147.0	164.0	157.0	157.0	161.0	169.0	161.0
Indicator value	**100.0%**	**100.0%**	**97.0%**	**100.0%**	**100.0%**	**100.0%**	**97.6%**	**100.0%**

Licensee Comments:

2Q/07: This PI was updated to change Total Key Personnel reported from 168 to 169. This change was implemented to correct a data collection and reporting error.



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07
Successful siren-tests	207	210	208	210	194	181	128	197
Total sirens-tests	210	210	210	210	198	198	197	198
Indicator value	**99.4%**	**99.5%**	**99.4%**	**99.4%**	**99.3%**	**97.2%**	**88.8%**	**88.5%**

Licensee Comments:

3Q/07: It was discovered that testing for four ANS sirens located within State Park property was not conducted in accordance with FEMA guidelines and were not valid test opportunities. Therefore, the testing of these sirens are considered missed opportunities. These missed opportunities have been captured in the station corrective action program. These corrections to the PI data reflect extent of condition reviews for the station entry into a degraded cornerstone for emergency planning.

2Q/07: It was discovered that testing for four ANS sirens located within State Park property was not conducted in accordance with FEMA guidelines and were not valid test opportunities. Therefore, the testing of these sirens are considered missed opportunities and the number of valid test opportunities is being corrected by reducing the total by four tests each month. The number of successful tests is also being corrected with a commensurate reduction as appropriate. These missed opportunities have been captured in the station corrective action program. Also, the 2Q07 number of test opportunities is being corrected by one siren test which is now considered to be a missed opportunity. This individual test was performed a day prior to the regularly scheduled test date to avoid disruption of a county festival. These corrections to the PI data reflect extent of condition reviews for the station entry into a degraded cornerstone for emergency planning. In addition, during the station verification of siren testing documentation, insufficient data was found to support four individual siren tests performed in 2Q07. This performance indicator is also being corrected to denote these four previously considered successful tests as failures. These corrections to the PI data reflect extent of condition reviews for the station entry into a degraded cornerstone for emergency preparedness EP03 Alert and Notification System (ANS) Reliability.

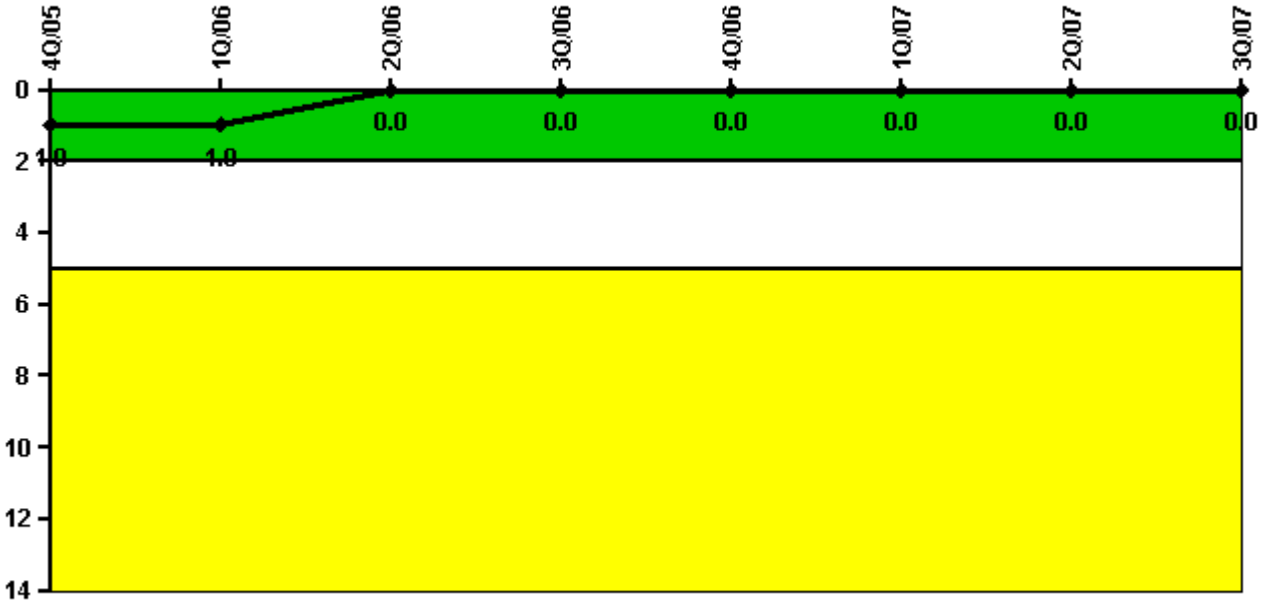
2Q/07: The 2nd Qtr 2007 siren test failures are being conservatively reported pending resolution of the associated FAQ.

1Q/07: It was discovered that testing for four ANS sirens located within State Park property was not conducted in accordance with FEMA guidelines and were not valid test opportunities. Therefore, the testing of these sirens are considered missed opportunities and the number of valid test opportunities is being corrected by reducing the total

by four tests each month. The number of successful tests is also being corrected with a commensurate reduction as appropriate. These missed opportunities have been captured in the station corrective action program. In addition, during a station verification of siren testing documentation, insufficient data was found to support three individual siren tests performed in 1Q07. The PI is also being corrected to denote these three previously considered successful tests as test failures. These corrections to the PI data reflect extent of condition reviews for the station entry into a degraded cornerstone for emergency planning.

4Q/06: It was discovered that testing for four ANS sirens located within State Park property was not conducted in accordance with FEMA guidelines and were not valid test opportunities. Therefore, the testing of these sirens are considered missed opportunities and the number of valid test opportunities is being corrected by reducing the total by four tests each month. The number of successful tests is also being corrected with a commensurate reduction as appropriate. These missed opportunities have been captured in the station corrective action program. These corrections to the PI data reflect extent of condition reviews for the station entry into a degraded cornerstone for emergency planning.

Occupational Exposure Control Effectiveness



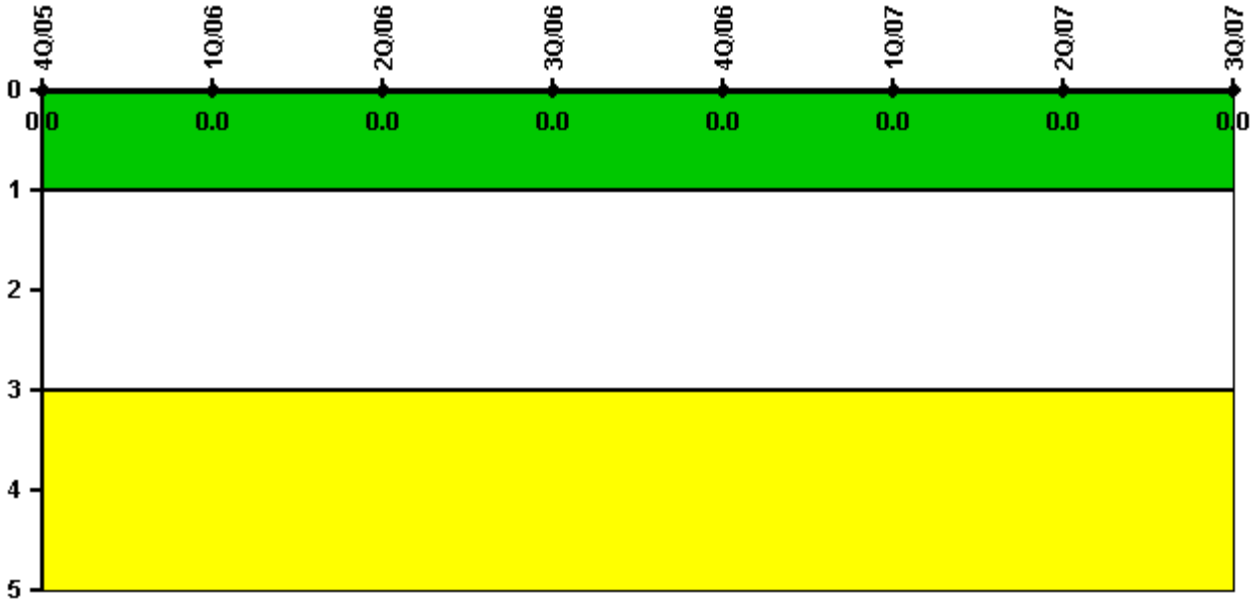
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/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: December 7, 2007