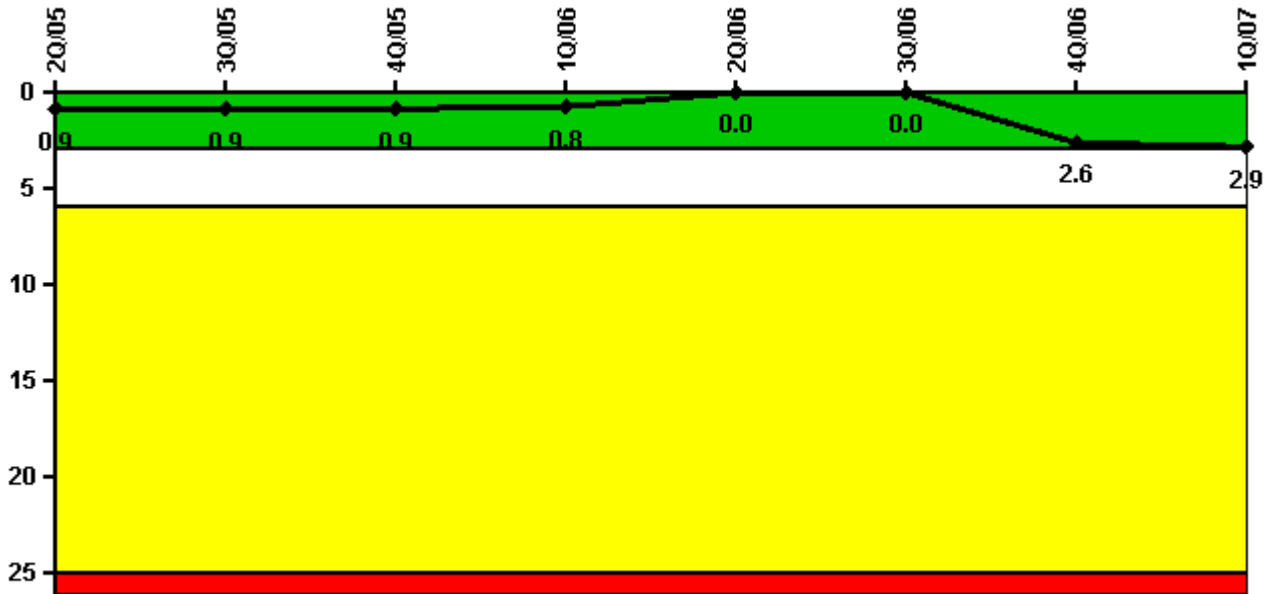


Brunswick 2

1Q/2007 Performance Indicators

Licensee's General Comments: The method used for input of Unavailability hours for the four Emergency Diesel Generators was not correct or conservative since inception of the MSPI. Unavailability hours for all four diesels were being input to CDE, but were not being applied to both units appropriately. Unavailability hours have been corrected back to 2003, and this issue has been entered into the corrective action program via NCR 229422.

Unplanned Scrams per 7000 Critical Hrs



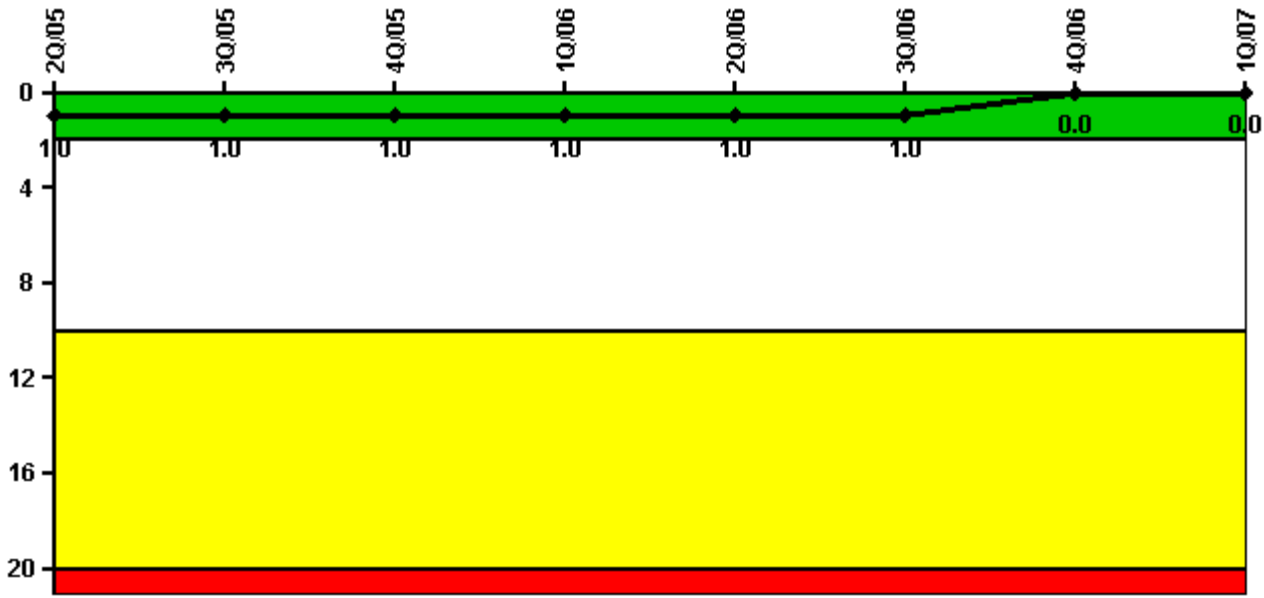
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	0	0	0	0	0	3.0	0
Critical hours	2026.2	2064.8	2209.0	2160.0	1967.0	2208.0	1723.8	1464.1
Indicator value	0.9	0.9	0.9	0.8	0	0	2.6	2.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



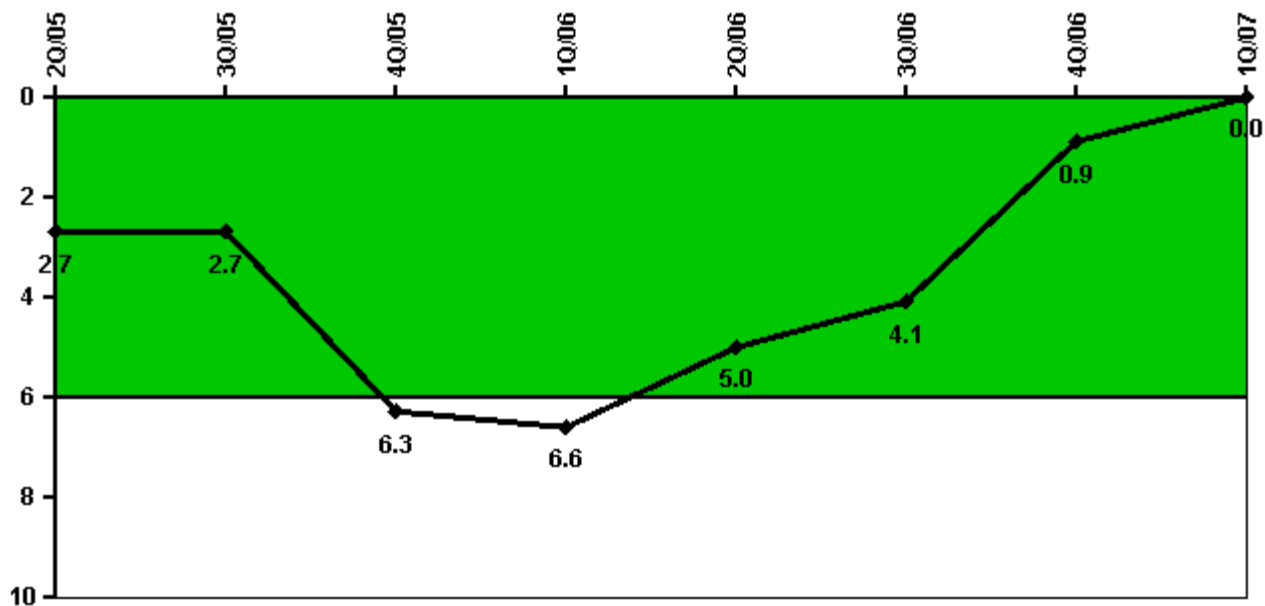
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	1.0	1.0	1.0	1.0	1.0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



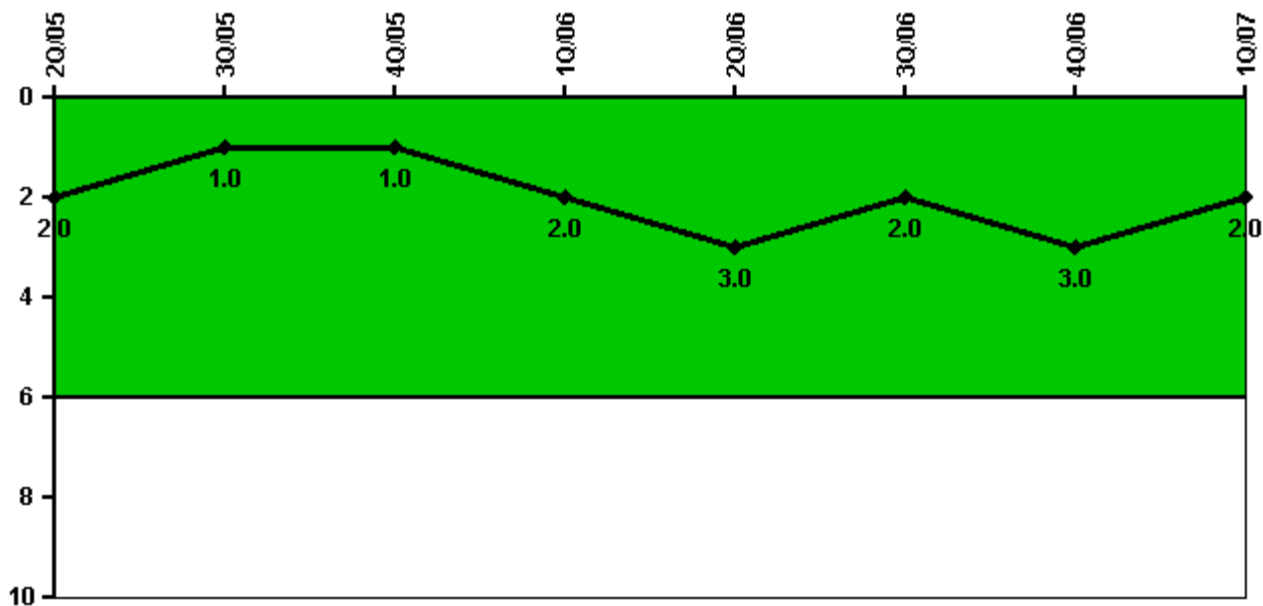
Thresholds: White > 6.0

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	2.0	1.0	4.0	1.0	0	0	0	0
Critical hours	2026.2	2064.8	2209.0	2160.0	1967.0	2208.0	1723.8	1464.1
Indicator value	2.7	2.7	6.3	6.6	5.0	4.1	0.9	0

Licensee Comments: none

Safety System Functional Failures (BWR)



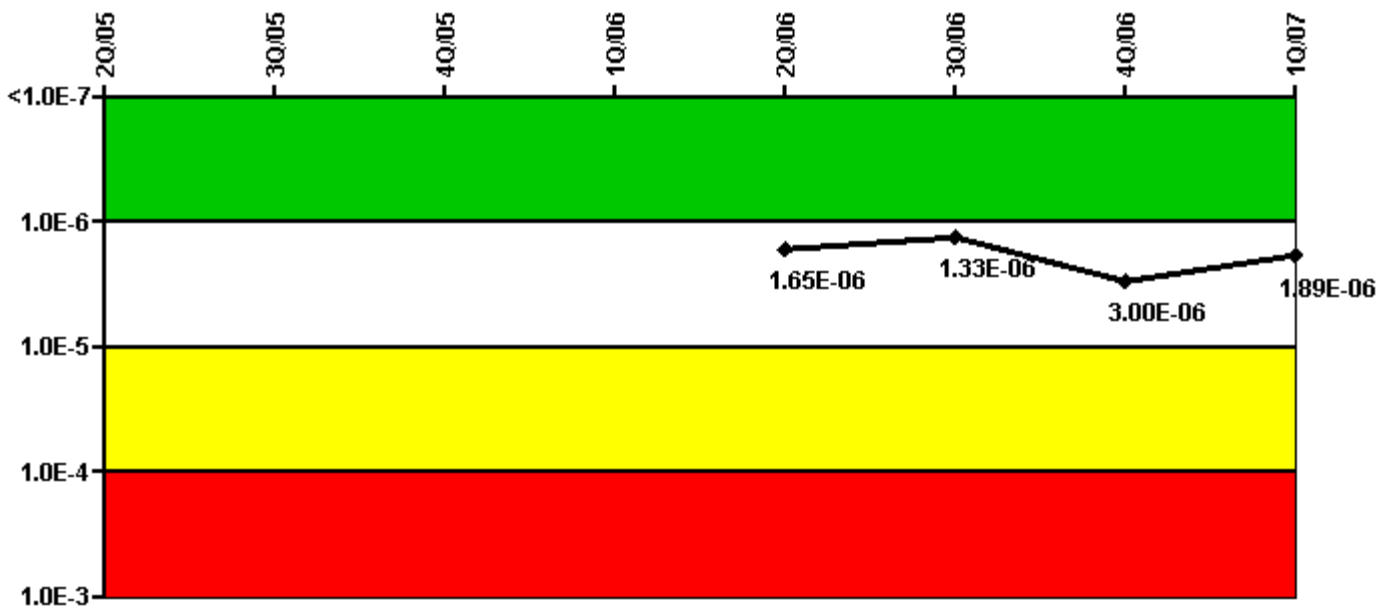
Thresholds: White > 6.0

Notes

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

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)					2.50E-07	2.30E-07	4.00E-07	3.90E-07
URI (ΔCDF)					1.40E-06	1.10E-06	2.60E-06	1.50E-06
PLE					NO	NO	NO	NO
Indicator value					1.65E-06	1.33E-06	3.00E-06	1.89E-06

Licensee Comments:

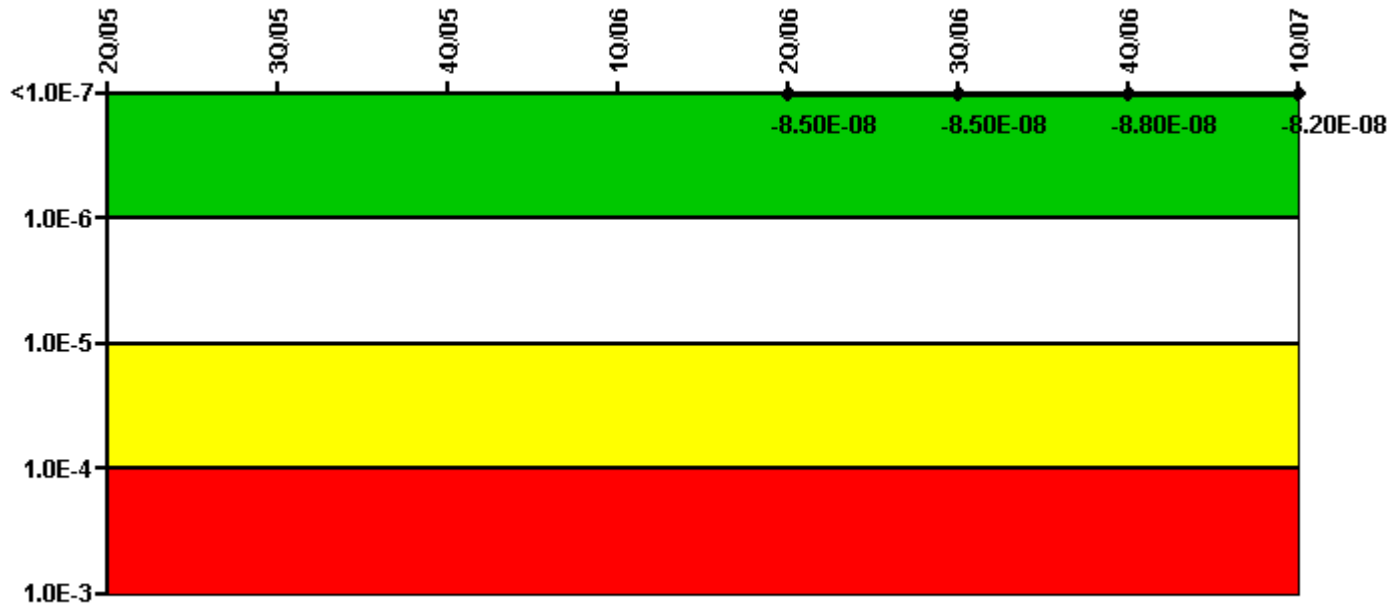
1Q/07: Risk Cap Invoked. Changed PRA Parameter(s). New PRA values were entered beginning 1st Quarter 2007 based on Revision 6 to the BNP Basis Document. EDG2 had a fail to start on 02/19/2007 due to a failed LPSCR relay. Also, an evaluation is pending for a potential MSPI failure to the Emergency AC Power system due to an E-bus cross-tie breaker found misaligned. This evaluation shall be complete prior to the end of the 2nd Quarter 2007. The MSPI for Unit 2 Emergency AC Power system remains WHITE since the 2nd Quarter of 2006.

4Q/06: Risk Cap Invoked. Emergency AC power MSPI for Unit 2 remains WHITE from the previous quarter. White threshold exceeded due to increased unreliability factor of Emergency Diesel Generators (EDGs). There are currently seven MSPI failures between the four EDGs during the previous 36 months. Due to unique system configuration, failure on any one of four EDGs affects both Units.

3Q/06: Risk Cap Invoked. MS06: White threshold exceeded due to increased unreliability factor of Emergency Diesel Generators (EDGs). Six MSPI failures between the four DGs during the previous 36 months. Due to unique system configuration, failure on any one of four EDGs is counted against both Units. Revision to previously submitted data: Changed two MSPI failures from Start Demands to Load Run Demands, #1164 on 06/06/2004 and #1215 on 11/10/2004. Revised the Estimated Start and Load Run Demands in baseline. Indicator color unaffected. Change File created.

2Q/06: Risk Cap Invoked.

Mitigating Systems Performance Index, High Pressure Injection System



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

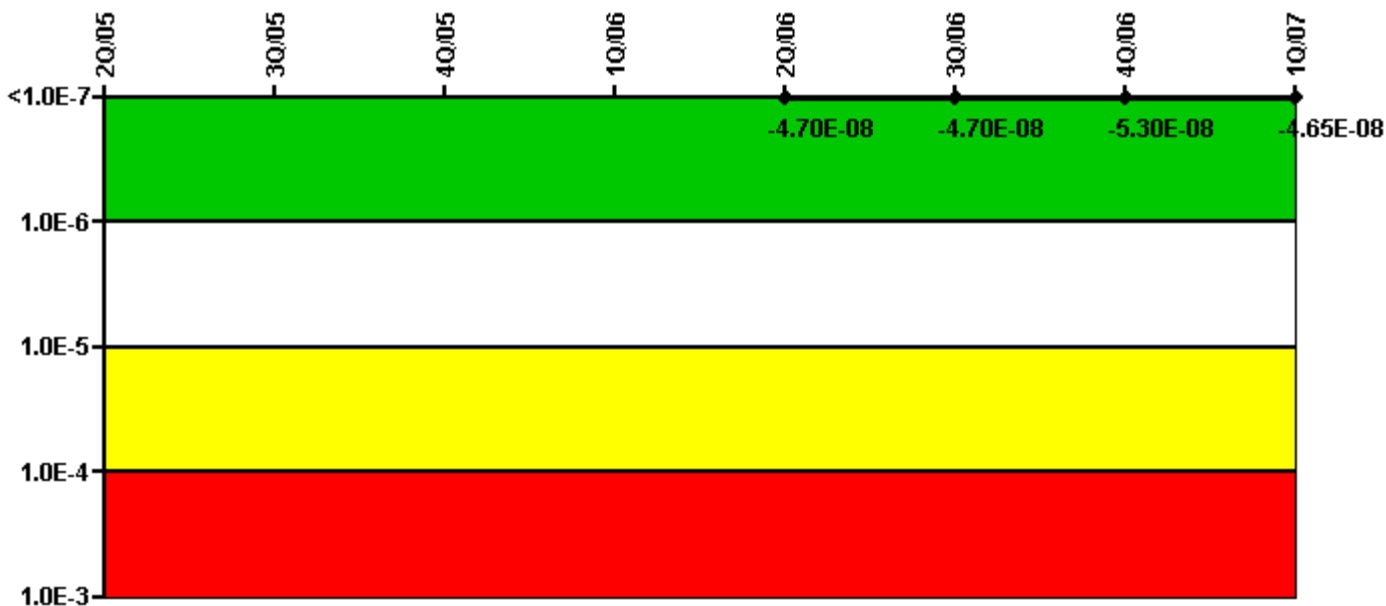
Notes

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)					-1.80E-08	-1.80E-08	-1.80E-08	-1.70E-08
URI (Δ CDF)					-6.70E-08	-6.70E-08	-7.00E-08	-6.50E-08
PLE					NO	NO	NO	NO
Indicator value					-8.50E-08	-8.50E-08	-8.80E-08	-8.20E-08

Licensee Comments:

1Q/07: Changed PRA Parameter(s). New PRA values were entered beginning 1st Quarter 2007 based on Revision 6 to the BNP Basis Document.

Mitigating Systems Performance Index, Heat Removal System



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

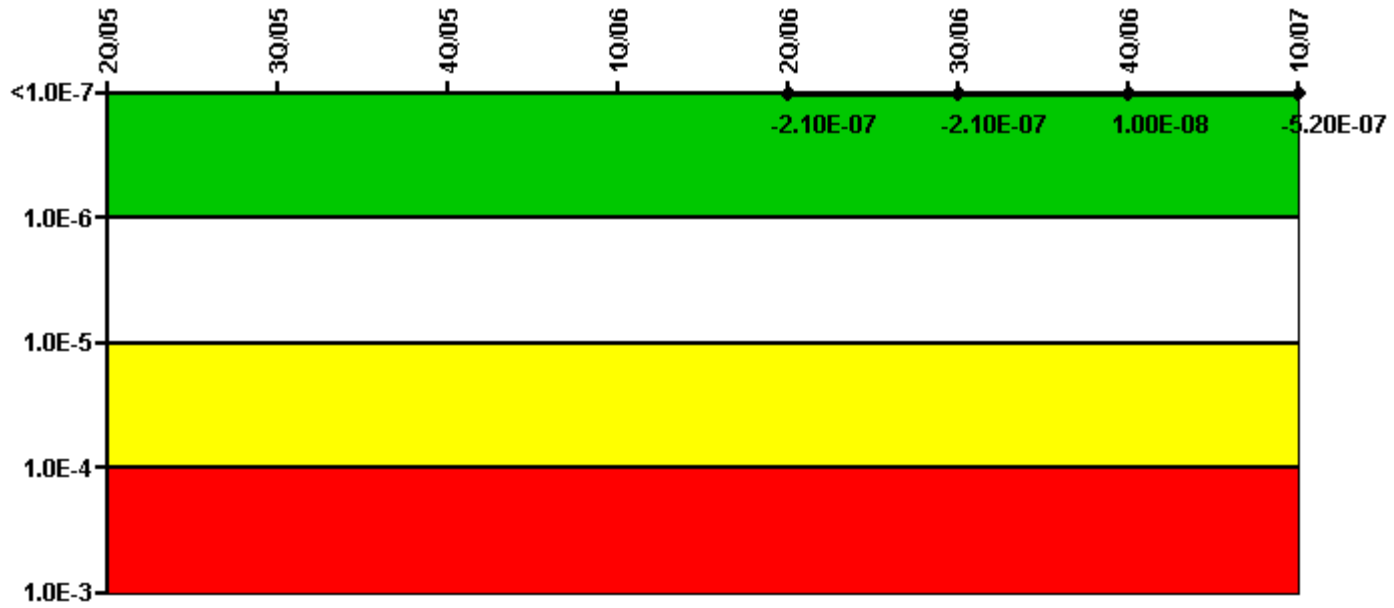
Notes

Mitigating Systems Performance Index, Heat Removal System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
UAI (Δ CDF)					-1.20E-08	-1.20E-08	-1.20E-08	-9.50E-09
URI (Δ CDF)					-3.50E-08	-3.50E-08	-4.10E-08	-3.70E-08
PLE					NO	NO	NO	NO
Indicator value					-4.70E-08	-4.70E-08	-5.30E-08	-4.65E-08

Licensee Comments:

1Q/07: Changed PRA Parameter(s). New PRA values were entered beginning 1st Quarter 2007 based on Revision 6 to the BNP Basis Document.

Mitigating Systems Performance Index, Residual Heat Removal System



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

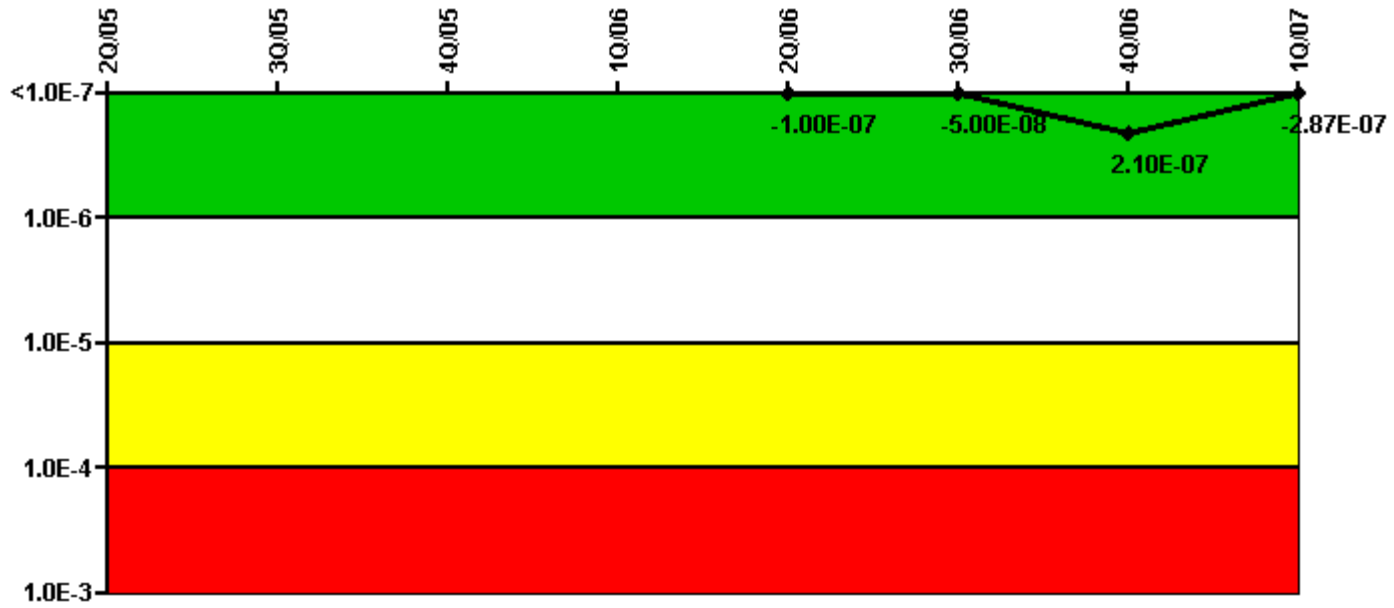
Notes

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 (ΔCDF)					-1.10E-07	-1.10E-07	1.10E-07	-4.10E-07
URI (ΔCDF)					-1.00E-07	-1.00E-07	-1.00E-07	-1.10E-07
PLE					NO	NO	NO	NO
Indicator value					-2.10E-07	-2.10E-07	1.00E-08	-5.20E-07

Licensee Comments:

1Q/07: Changed PRA Parameter(s). New PRA values were entered beginning 1st Quarter 2007 based on Revision 6 to the BNP Basis Document.

Mitigating Systems Performance Index, Cooling Water Systems



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

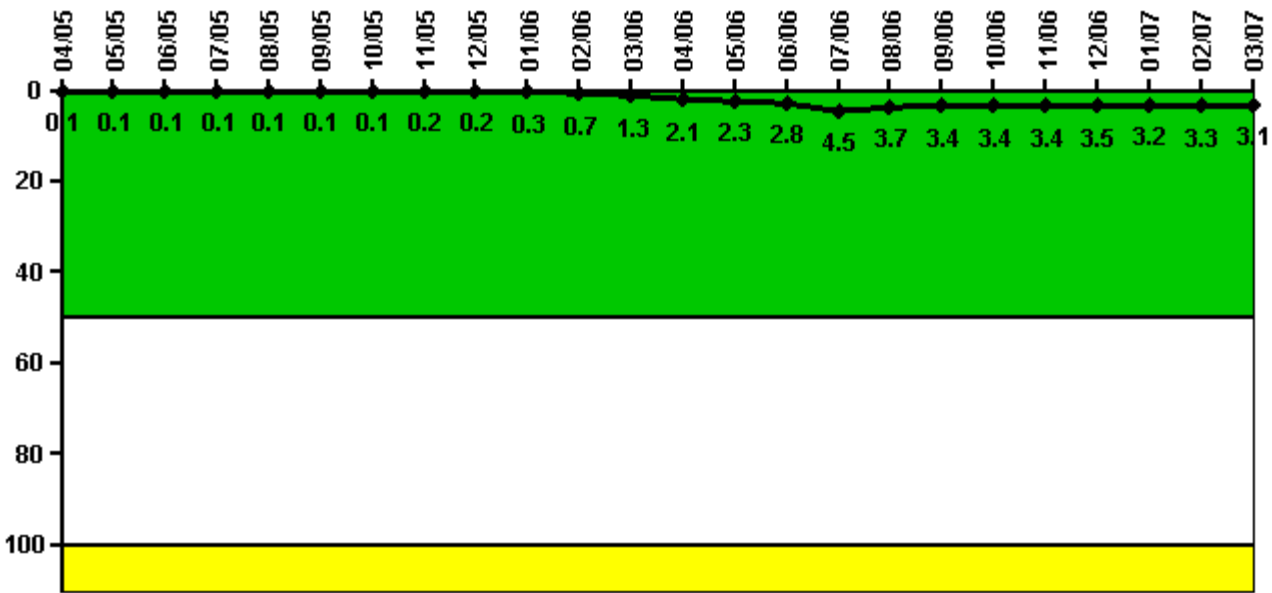
Notes

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-07	2.60E-07	5.20E-07	3.30E-08
URI (ΔCDF)					-3.20E-07	-3.10E-07	-3.10E-07	-3.20E-07
PLE					NO	NO	NO	NO
Indicator value					-1.00E-07	-5.00E-08	2.10E-07	-2.87E-07

Licensee Comments:

1Q/07: Changed PRA Parameter(s). New PRA values were entered beginning 1st Quarter 2007 based on Revision 6 to the BNP Basis Document.

Reactor Coolant System Activity



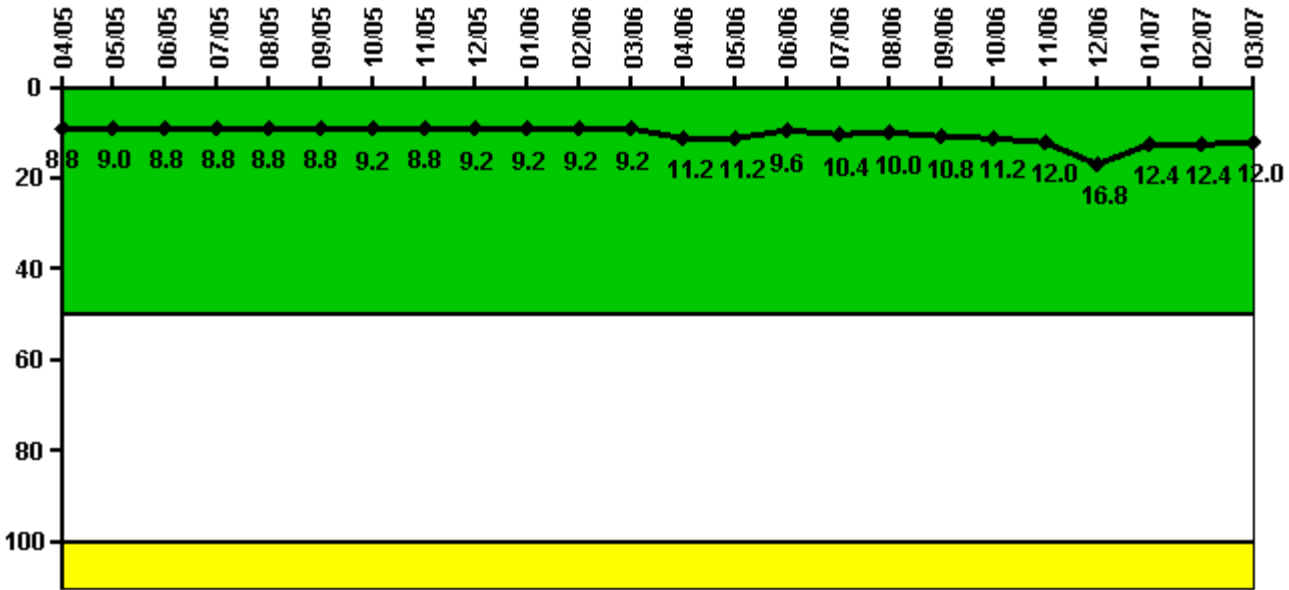
Thresholds: White > 50.0 Yellow > 100.0

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	0.000139	0.000119	0.000276	0.000175	0.000274	0.000263	0.000241	0.000379	0.000446	0.000655	0.001461	0.002587
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.7	1.3
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	0.004269	0.004553	0.005525	0.008971	0.007350	0.006814	0.006881	0.006710	0.007008	0.006493	0.006559	0.006114
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	2.1	2.3	2.8	4.5	3.7	3.4	3.4	3.4	3.5	3.2	3.3	3.1

Licensee Comments: none

Reactor Coolant System Leakage



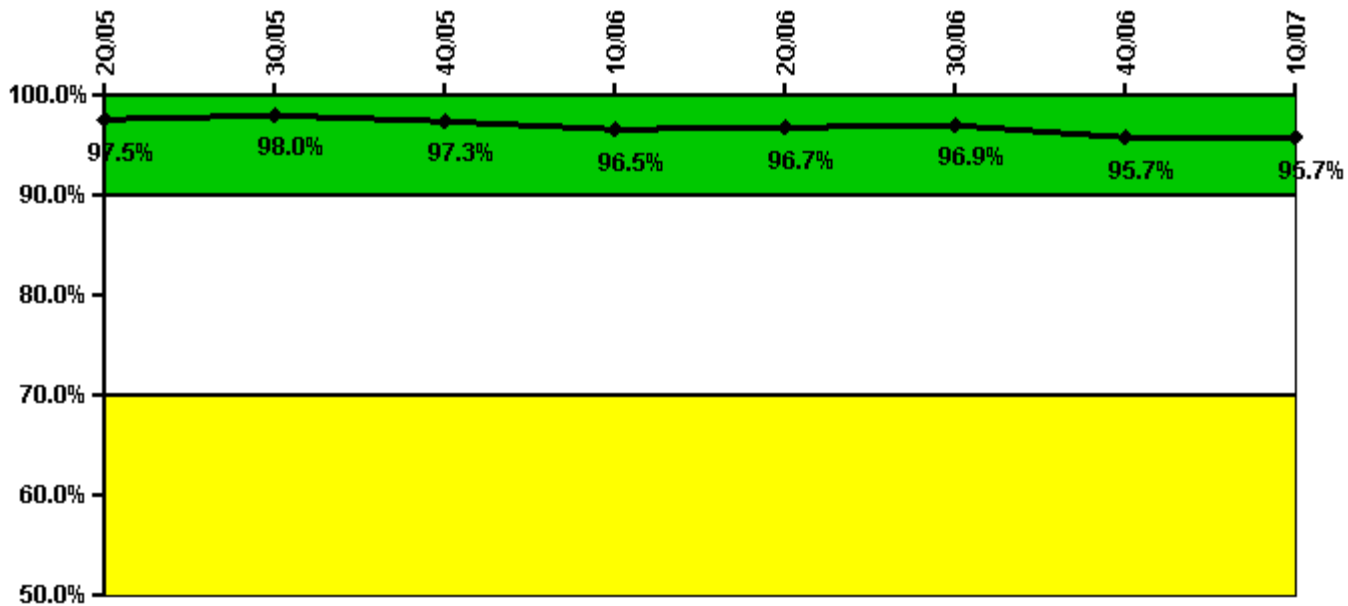
Thresholds: White > 50.0 Yellow > 100.0

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	2.200	2.250	2.200	2.200	2.200	2.200	2.300	2.200	2.300	2.300	2.300	2.300
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	8.8	9.0	8.8	8.8	8.8	8.8	9.2	8.8	9.2	9.2	9.2	9.2
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	2.800	2.800	2.400	2.600	2.500	2.700	2.800	3.000	4.200	3.100	3.100	3.000
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	11.2	11.2	9.6	10.4	10.0	10.8	11.2	12.0	16.8	12.4	12.4	12.0

Licensee Comments: none

Drill/Exercise Performance



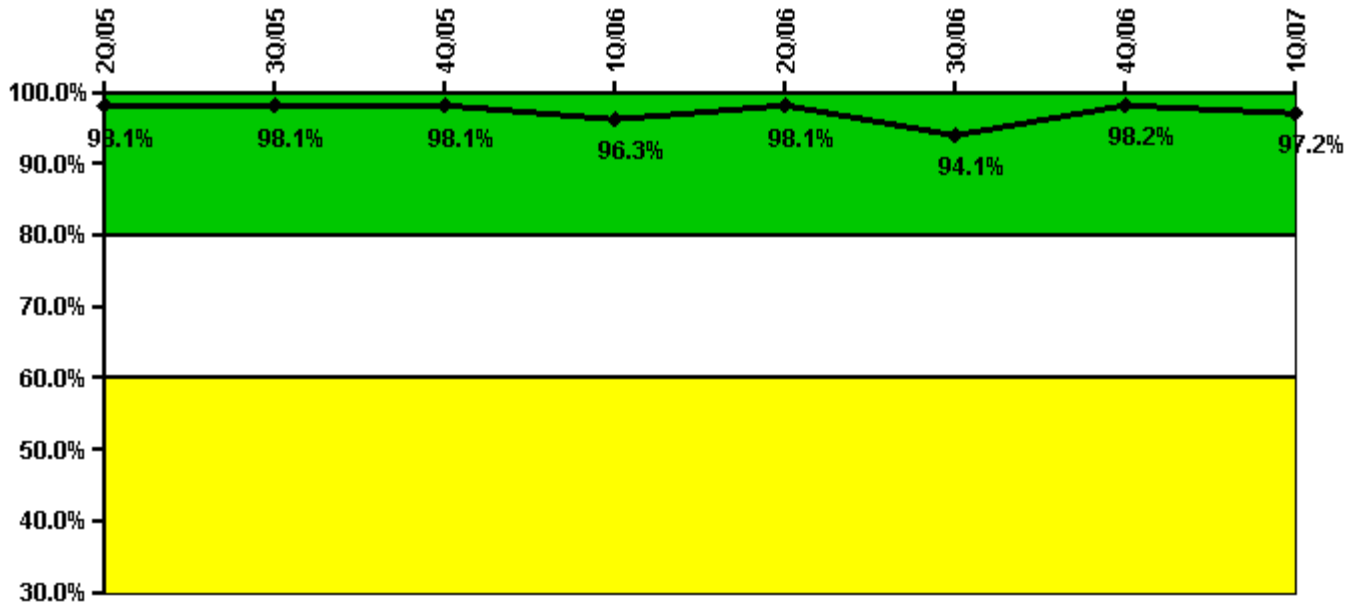
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful opportunities	34.0	28.0	7.0	20.0	10.0	7.0	26.0	0
Total opportunities	35.0	28.0	8.0	22.0	10.0	7.0	28.0	0
Indicator value	97.5%	98.0%	97.3%	96.5%	96.7%	96.9%	95.7%	96.7%

Licensee Comments: none

ERO Drill Participation



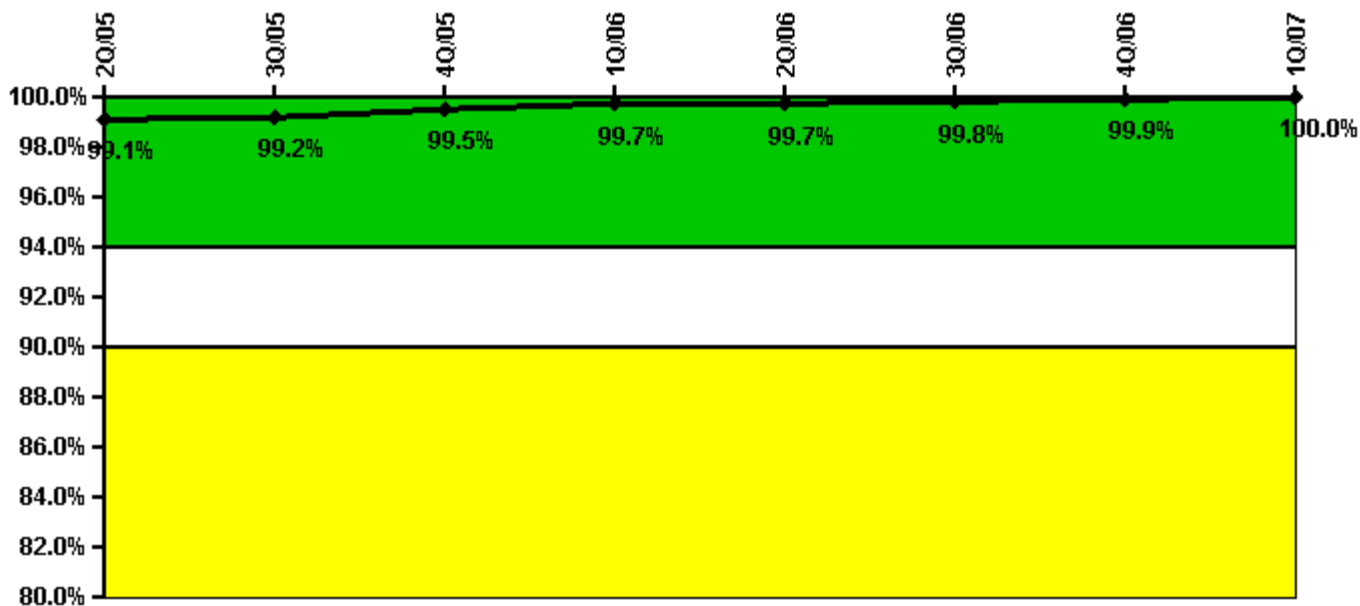
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Participating Key personnel	106.0	102.0	104.0	103.0	104.0	95.0	108.0	104.0
Total Key personnel	108.0	104.0	106.0	107.0	106.0	101.0	110.0	107.0
Indicator value	98.1%	98.1%	98.1%	96.3%	98.1%	94.1%	98.2%	97.2%

Licensee Comments: none

Alert & Notification System



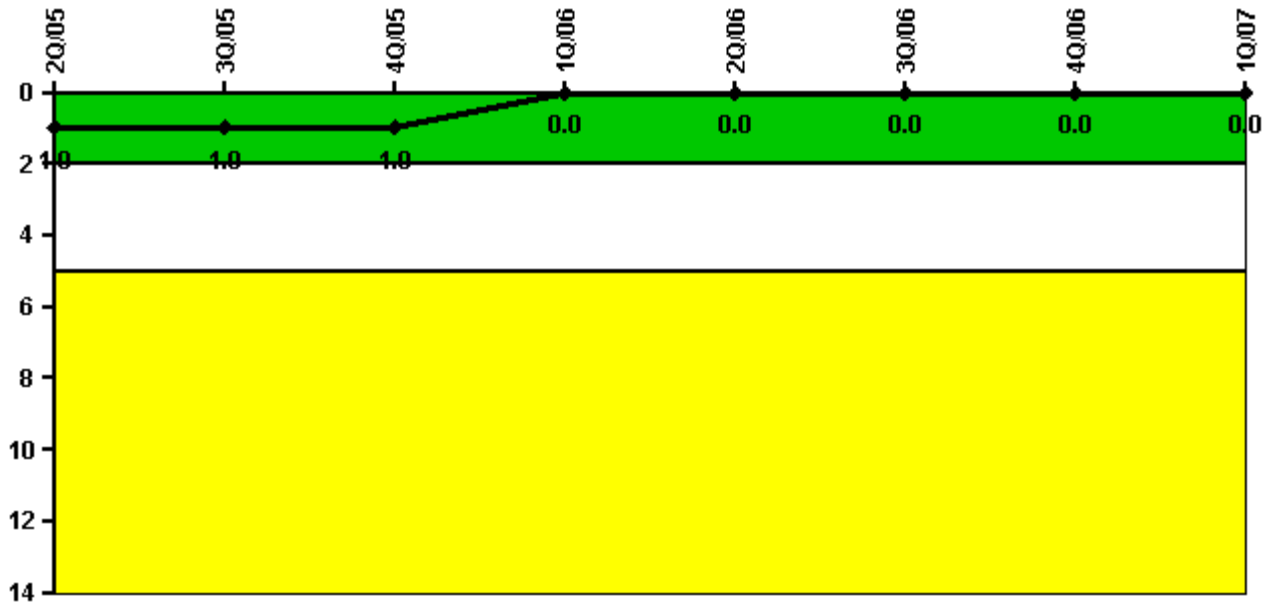
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	2Q/05	3Q/05	4Q/05	1Q/06	2Q/06	3Q/06	4Q/06	1Q/07
Successful siren-tests	503	502	539	502	503	504	560	532
Total sirens-tests	504	504	540	504	504	504	560	532
Indicator value	99.1%	99.2%	99.5%	99.7%	99.7%	99.8%	99.9%	100.0%

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