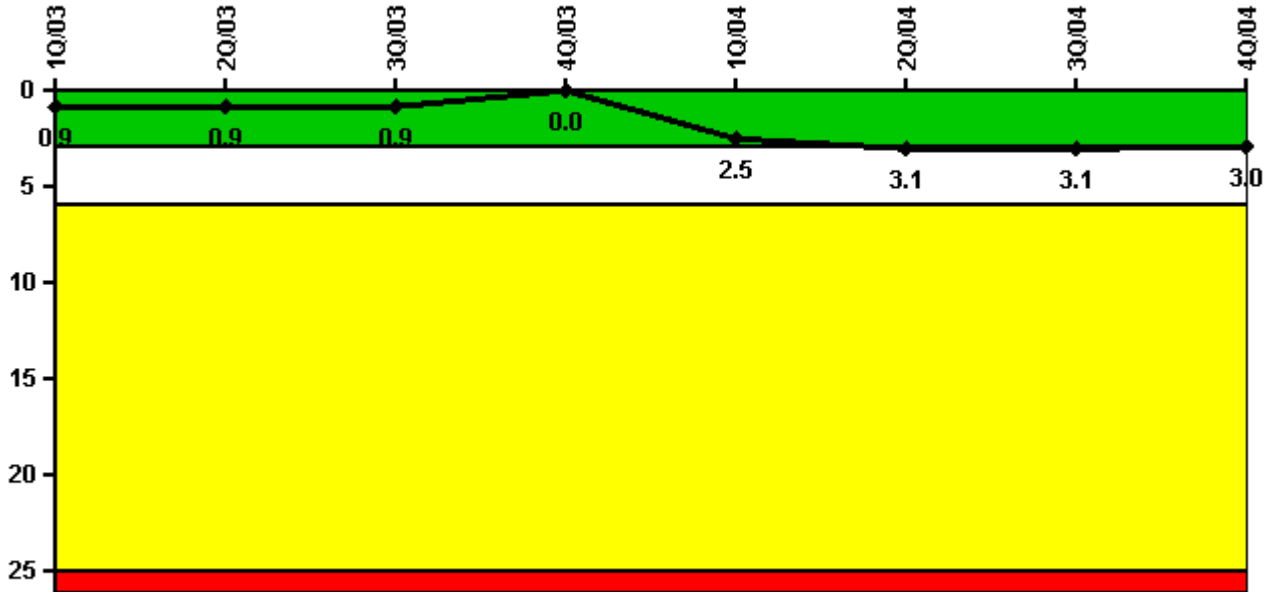


Callaway

4Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



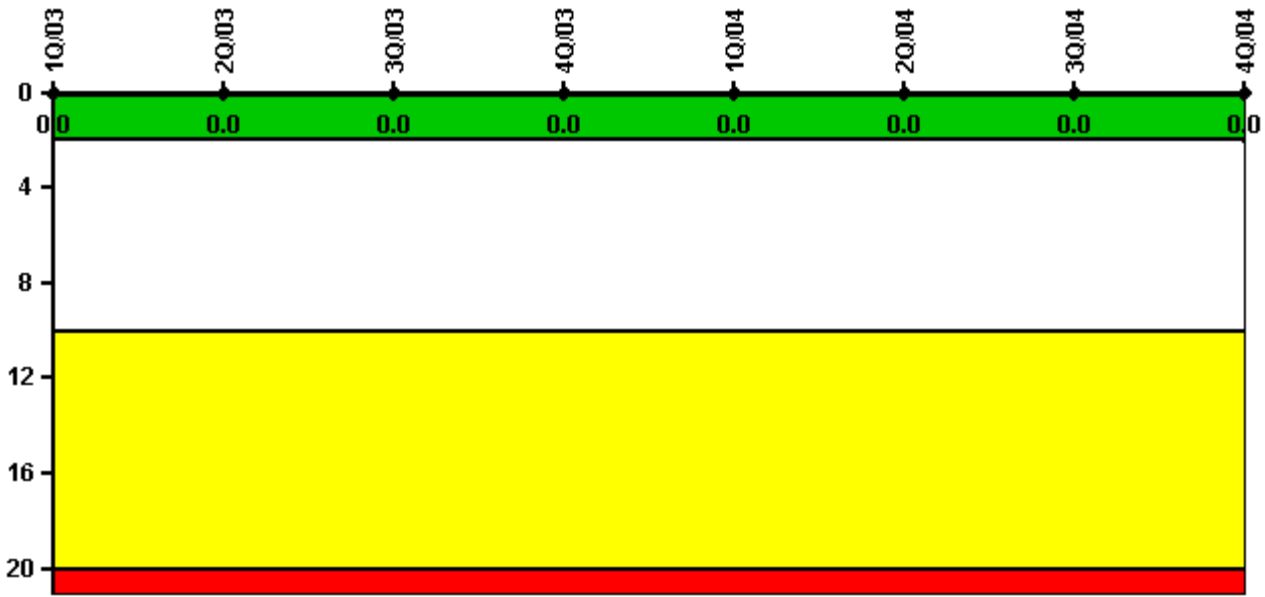
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned scrams	0	0	0	0	3.0	0	0	0
Critical hours	1929.0	2148.5	2208.0	2143.5	1844.9	670.7	2208.0	2209.0
Indicator value	0.9	0.9	0.9	0	2.5	3.1	3.1	3.0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



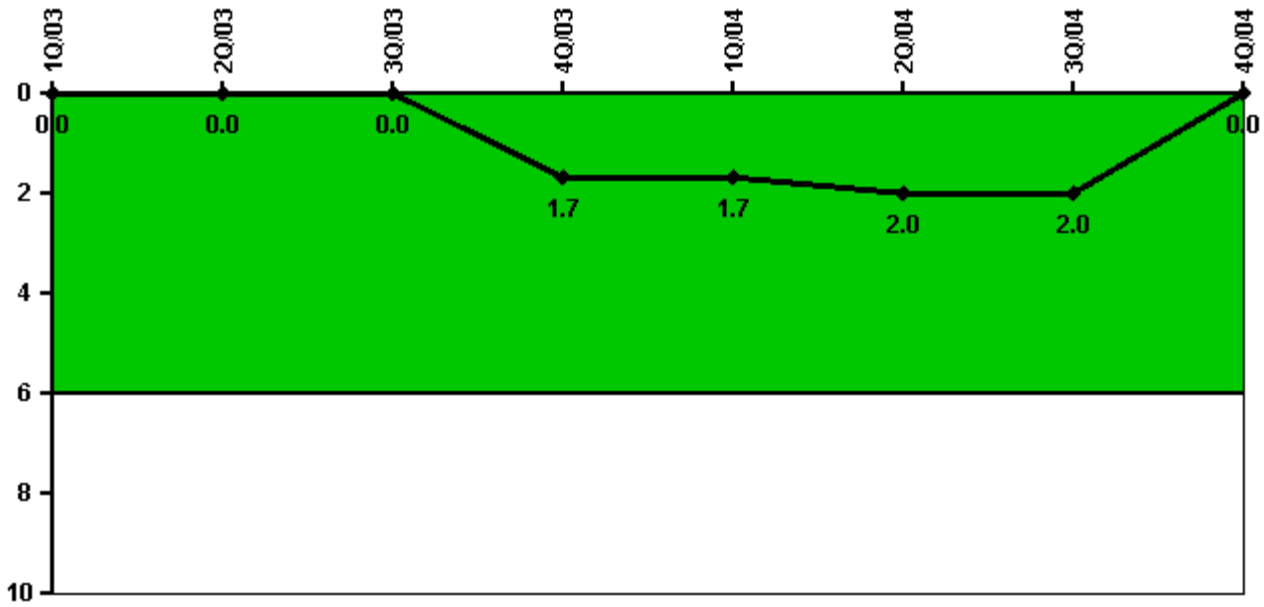
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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



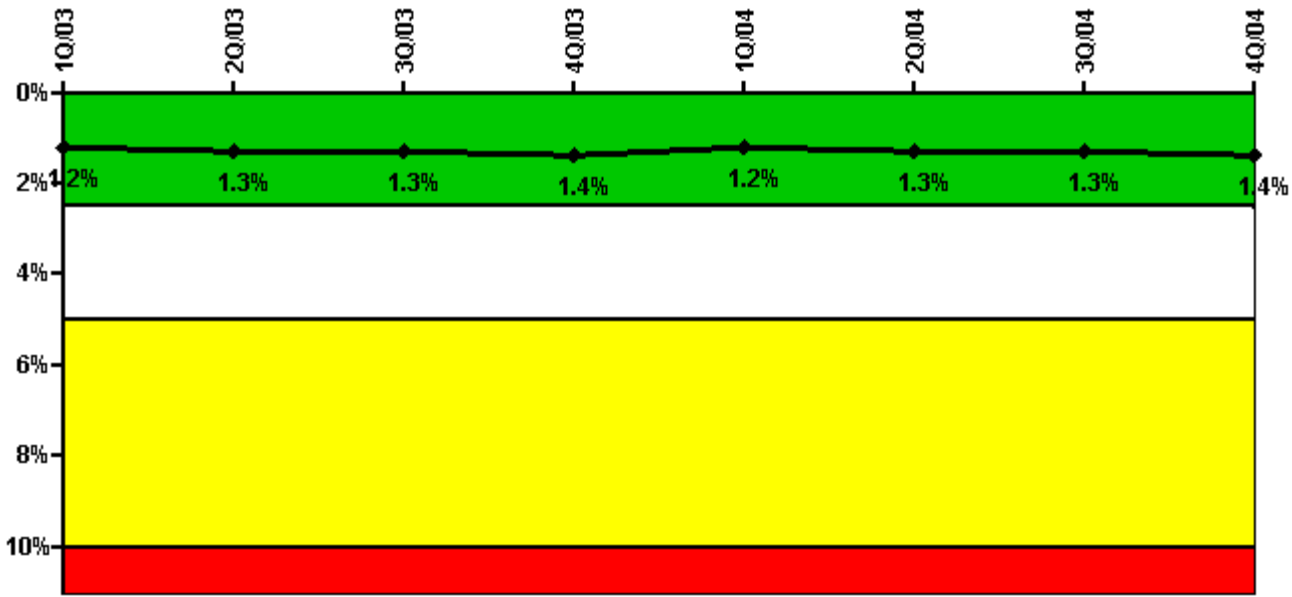
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Unplanned power changes	0	0	0	2.0	0	0	0	0
Critical hours	1929.0	2148.5	2208.0	2143.5	1844.9	670.7	2208.0	2209.0
Indicator value	0	0	0	1.7	1.7	2.0	2.0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



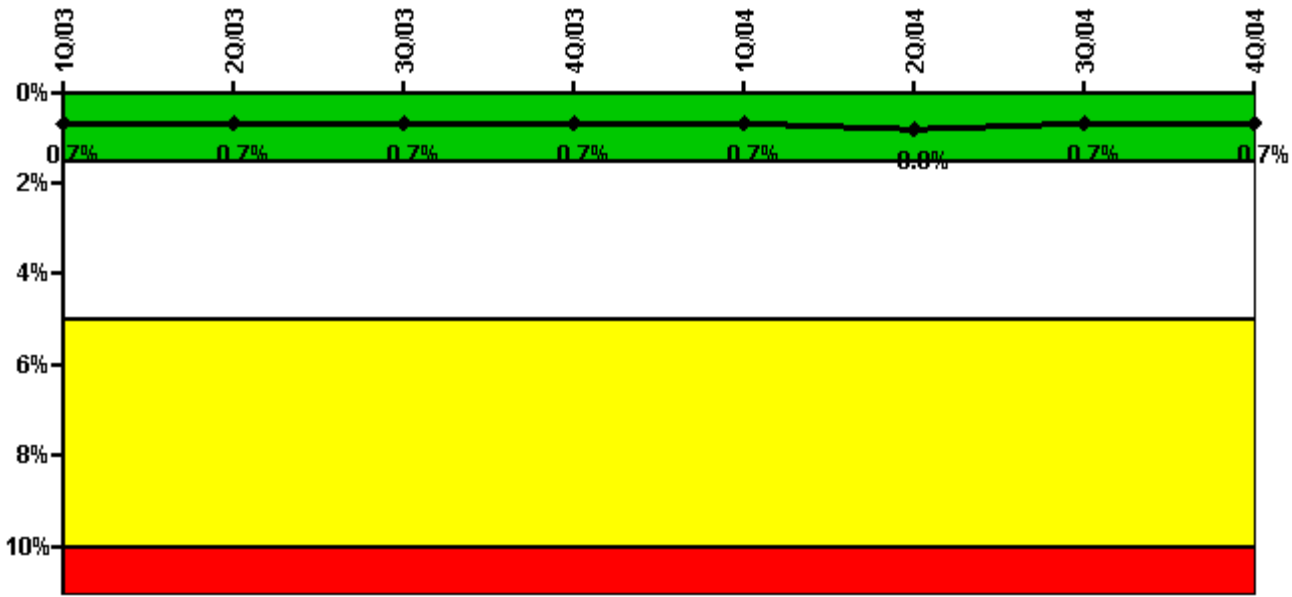
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	4.50	3.60	51.70	3.00	3.40	3.90	51.90	19.90
Unplanned unavailable hours	0	0	0	0	28.00	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1970.40	2184.00	2208.00	2208.00	2184.00	1234.35	2208.00	2209.00
Train 2								
Planned unavailable hours	2.80	38.10	2.00	40.10	1.70	3.10	11.10	44.60
Unplanned unavailable hours	11.90	18.10	0	47.70	55.60	11.40	0	3.60
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1970.40	2184.00	2208.00	2208.00	2184.00	1234.35	2208.00	2209.00
Indicator value	1.2%	1.3%	1.3%	1.4%	1.2%	1.3%	1.3%	1.4%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



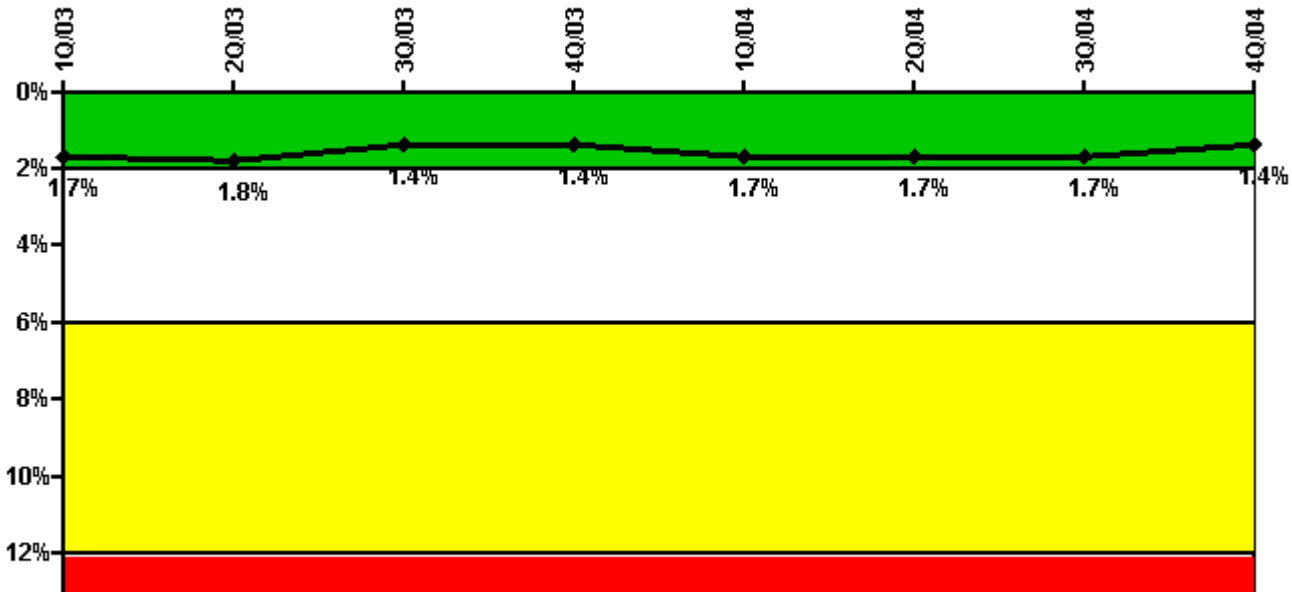
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	2.30	26.00	2.50	30.80	4.00	1.00	17.90	24.60
Unplanned unavailable hours	0	0	0	0	0	5.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2160.00	764.25	2208.00	2209.00
Train 2								
Planned unavailable hours	17.90	74.70	2.10	3.00	11.30	6.80	1.30	27.40
Unplanned unavailable hours	0	0	0	3.90	0	0	0	8.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2160.00	764.25	2208.00	2209.00
Train 3								
Planned unavailable hours	3.00	3.40	42.70	30.80	17.50	1.00	1.20	2.00
Unplanned unavailable hours	3.30	1.10	0	0	0	5.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2160.00	737.70	2208.00	2209.00
Train 4								
Planned unavailable hours	15.50	19.30	41.70	3.30	13.50	0.20	0.90	15.60
Unplanned unavailable hours	0	0	0	3.90	0	0	0	8.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2160.00	737.70	2208.00	2209.00
Indicator value	0.7%	0.7%	0.7%	0.7%	0.7%	0.8%	0.7%	0.7%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

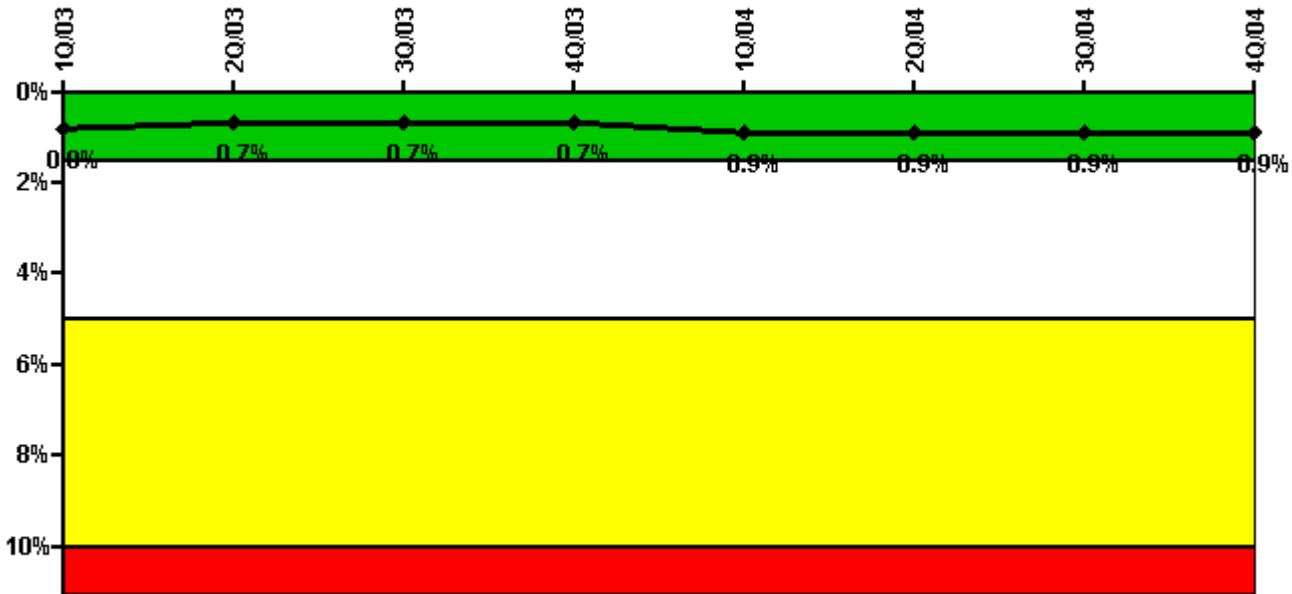
Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	5.00	24.40	1.40	5.80	0	0	0.10	30.10
Unplanned unavailable hours	0	0	0	0	0	0	0	1.30
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2136.00	737.70	2208.00	2209.00
Train 2								
Planned unavailable hours	27.40	19.70	1.00	21.00	7.90	0	21.20	2.20
Unplanned unavailable hours	0	7.30	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2136.00	737.70	2208.00	2209.00
Train 3								
Planned unavailable hours	42.60	5.10	4.80	3.20	28.20	2.80	2.70	3.60
Unplanned unavailable hours	15.20	45.00	0	0	195.00	0	53.70	39.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1941.00	2174.80	2208.00	2208.00	2136.00	737.70	2208.00	2209.00
Indicator value	1.7%	1.8%	1.4%	1.4%	1.7%	1.7%	1.7%	1.4%

Licensee Comments:

4Q/04: A random component failure in the 'C' auxiliary feedwater train resulted in 333.4 hours of T/2 fault exposure time in accordance with the guidance of NEI 99-02, Rev. 2 (page 30).

Safety System Unavailability, Residual Heat Removal System



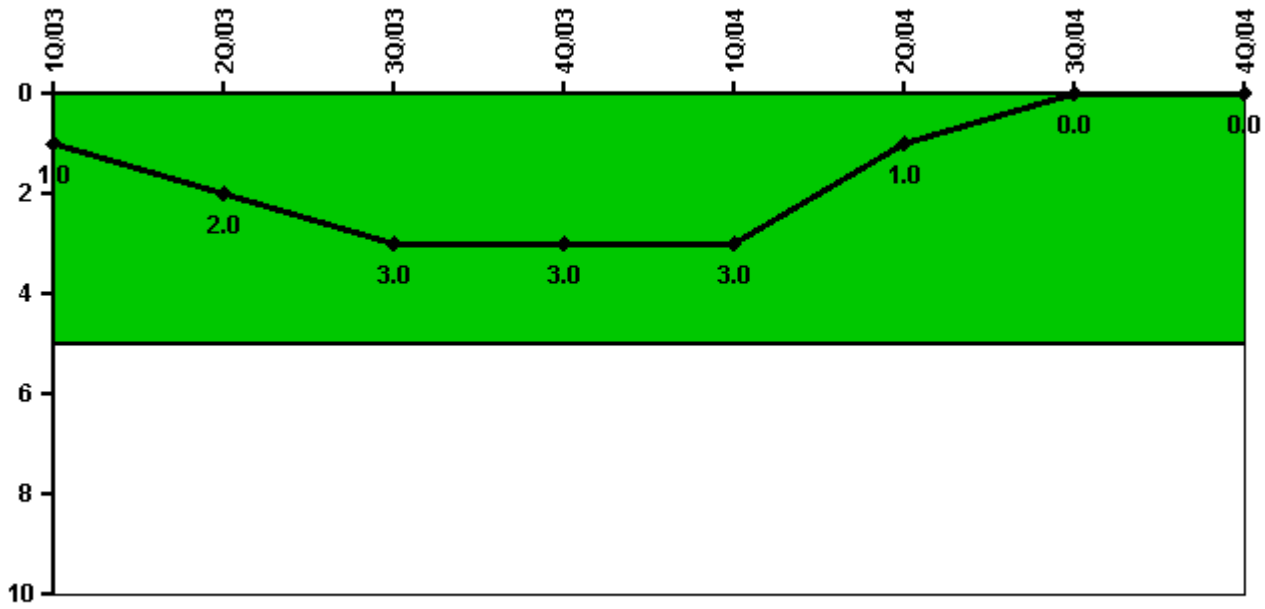
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	19.00	3.40	1.70	29.90	79.90	8.40	1.30	2.10
Unplanned unavailable hours	0	0	0	0	0	5.30	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	1171.70	2208.00	2209.00
Train 2								
Planned unavailable hours	25.30	19.80	25.50	2.80	11.00	0.30	26.50	15.70
Unplanned unavailable hours	0	0	0	3.90	0	26.70	0	8.90
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2160.00	2184.00	2208.00	2208.00	2160.00	1171.70	2208.00	2209.00
Indicator value	0.8%	0.7%	0.7%	0.7%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Functional Failures (PWR)



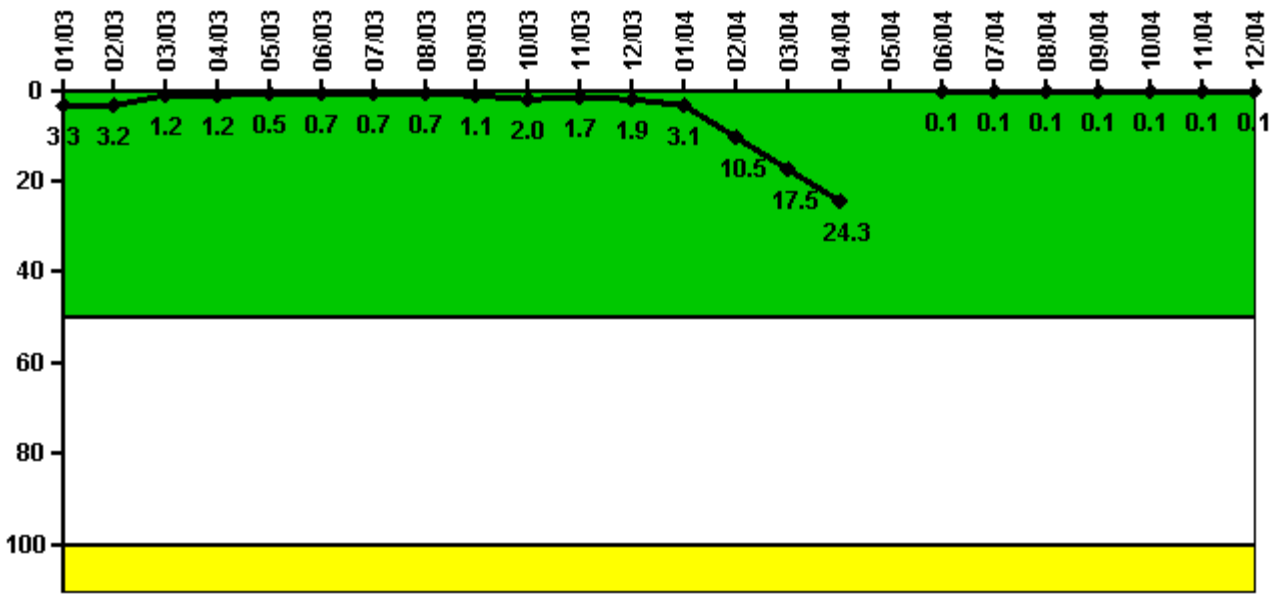
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Safety System Functional Failures	0	2	1	0	0	0	0	0
Indicator value	1	2	3	3	3	1	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

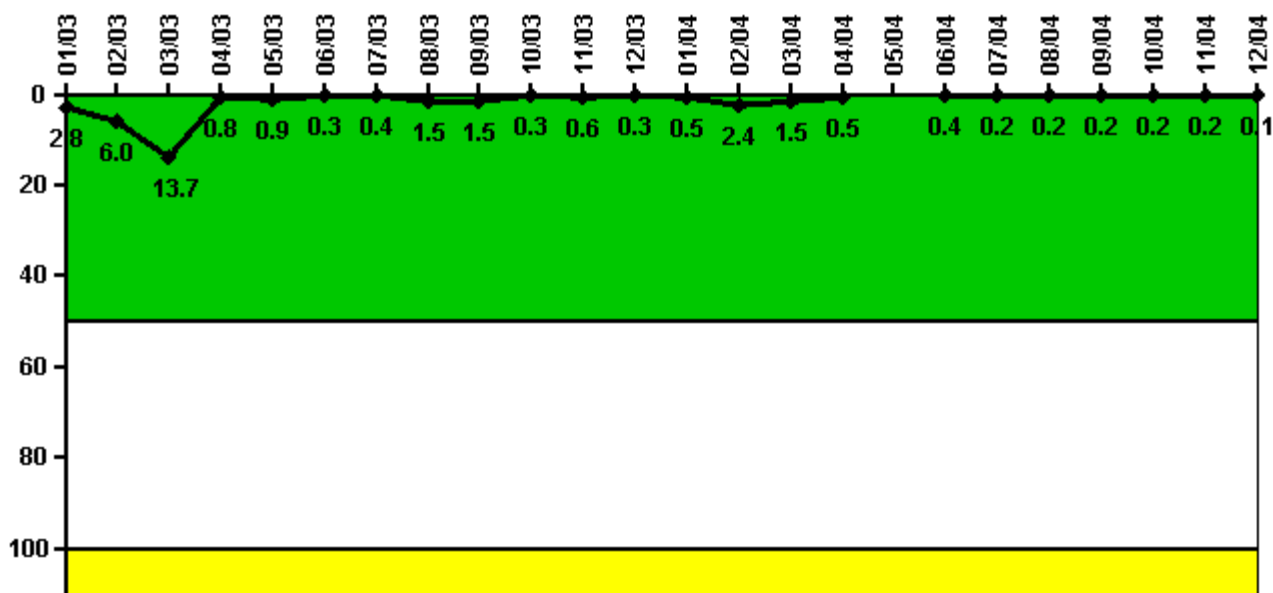
Notes

Reactor Coolant System Activity	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum activity	0.009890	0.009710	0.003540	0.003530	0.001390	0.001970	0.002100	0.002000	0.003200	0.005990	0.005120	0.005810
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	3.3	3.2	1.2	1.2	0.5	0.7	0.7	0.7	1.1	2.0	1.7	1.9

Reactor Coolant System Activity	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum activity	0.009300	0.031500	0.052600	0.073000	N/A	0.000690	0.000750	0.000884	0.001087	0.001150	0.001170	0.001220
Technical specification limit	0.3	0.3	0.3	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	3.1	10.5	17.5	24.3	N/A	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

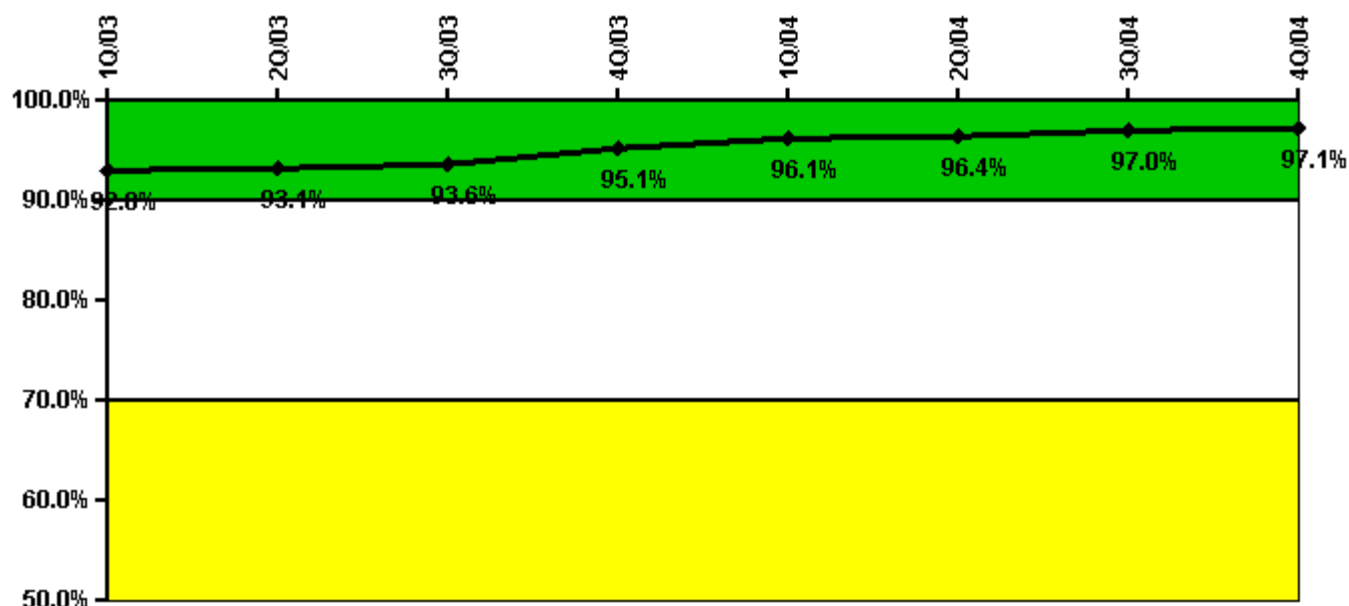
Notes

Reactor Coolant System Leakage	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03	10/03	11/03	12/03
Maximum leakage	0.280	0.601	1.365	0.078	0.087	0.028	0.042	0.145	0.148	0.031	0.060	0.025
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	2.8	6.0	13.7	0.8	0.9	0.3	0.4	1.5	1.5	0.3	0.6	0.3

Reactor Coolant System Leakage	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04	10/04	11/04	12/04
Maximum leakage	0.045	0.236	0.145	0.047	N/A	0.040	0.018	0.020	0.018	0.024	0.015	0.006
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	2.4	1.5	0.5	N/A	0.4	0.2	0.2	0.2	0.2	0.2	0.1

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

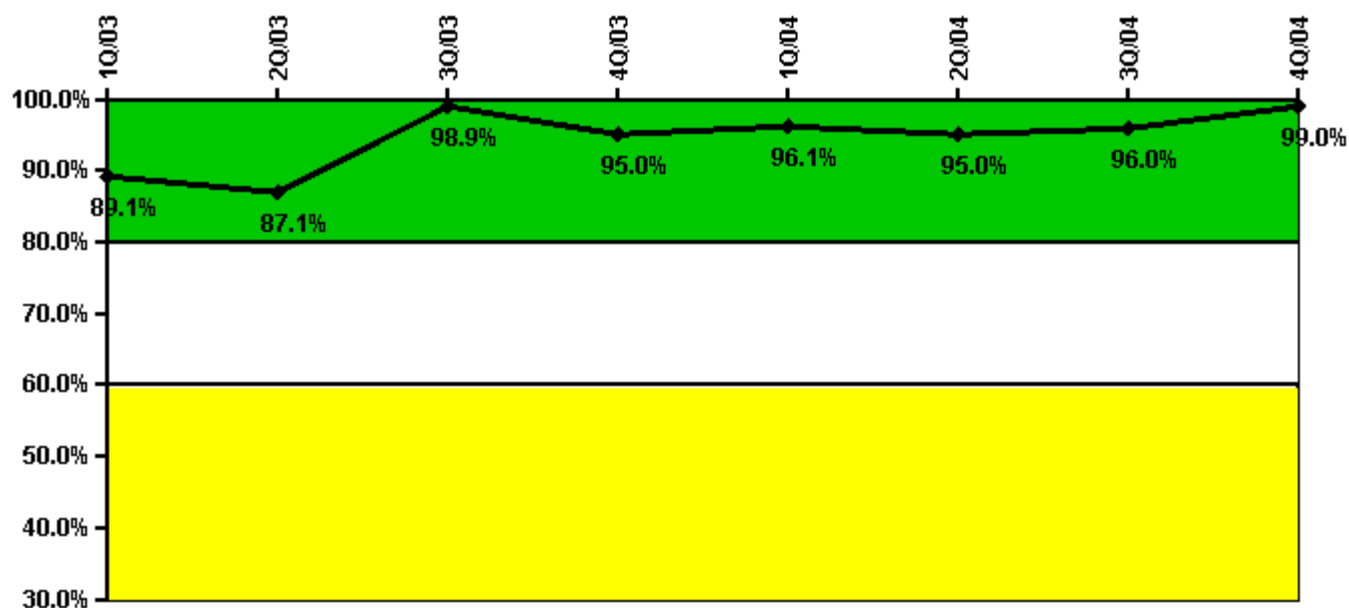
Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	35.0	12.0	84.0	35.0	28.0	0	30.0	43.0
Total opportunities	36.0	12.0	88.0	36.0	28.0	0	31.0	44.0
Indicator value	92.8%	93.1%	93.6%	95.1%	96.1%	96.4%	97.0%	97.1%

Licensee Comments:

3Q/04: NCV 05000483/2004004-01 was issued in the 4th quarter 2004 for failure to classify and declare a notice of Unusual Event during the 3rd quarter 2004. Third quarter performance data is being revised to include this actual event. The revision does not result in crossing a threshold or a color change for the indicator. The failure to make the Unusual Event declaration was reported on 11/18/2004 (EN# 41205) and was entered into the licensee's corrective action program.

ERO Drill Participation



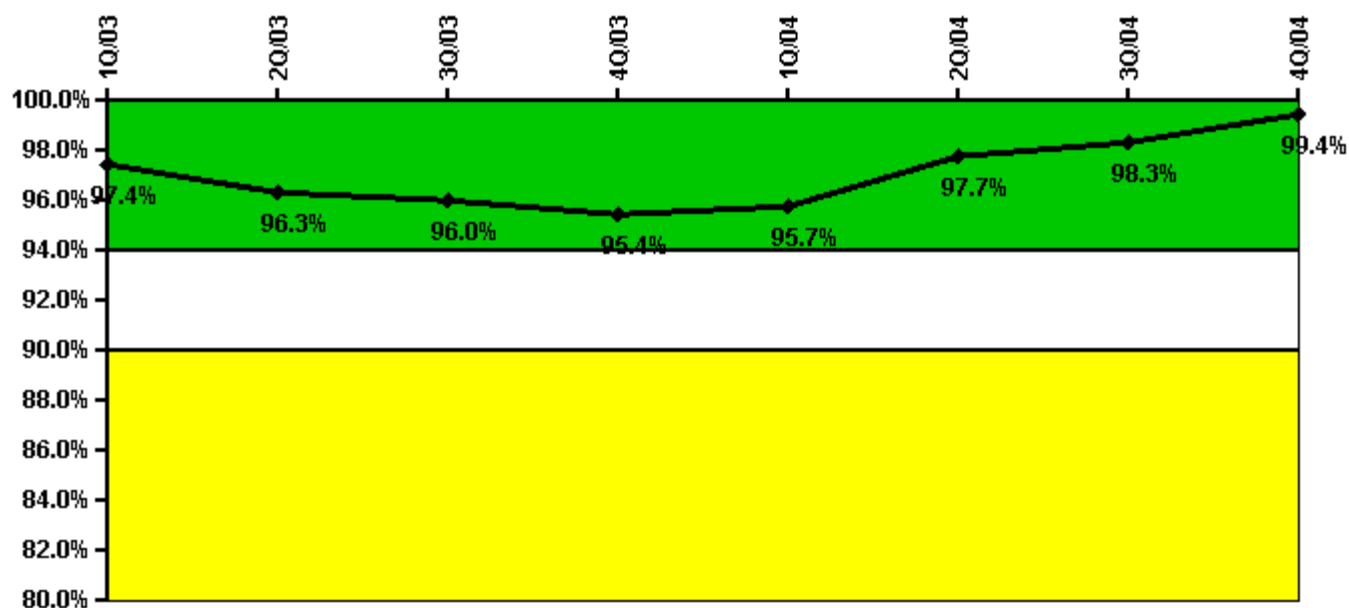
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	82.0	81.0	91.0	96.0	99.0	95.0	96.0	96.0
Total Key personnel	92.0	93.0	92.0	101.0	103.0	100.0	100.0	97.0
Indicator value	89.1%	87.1%	98.9%	95.0%	96.1%	95.0%	96.0%	99.0%

Licensee Comments: none

Alert & Notification System



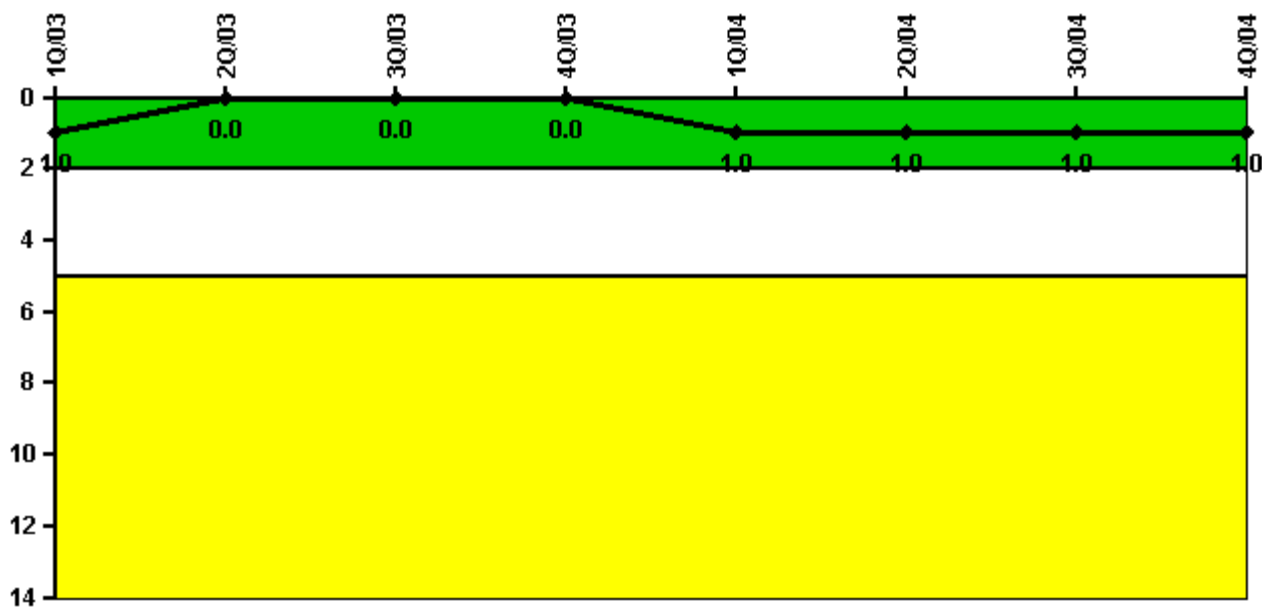
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	84	80	85	83	85	87	87	87
Total sirens-tests	87	87	87	87	87	87	87	87
Indicator value	97.4%	96.3%	96.0%	95.4%	95.7%	97.7%	98.3%	99.4%

Licensee Comments: none

Occupational Exposure Control Effectiveness



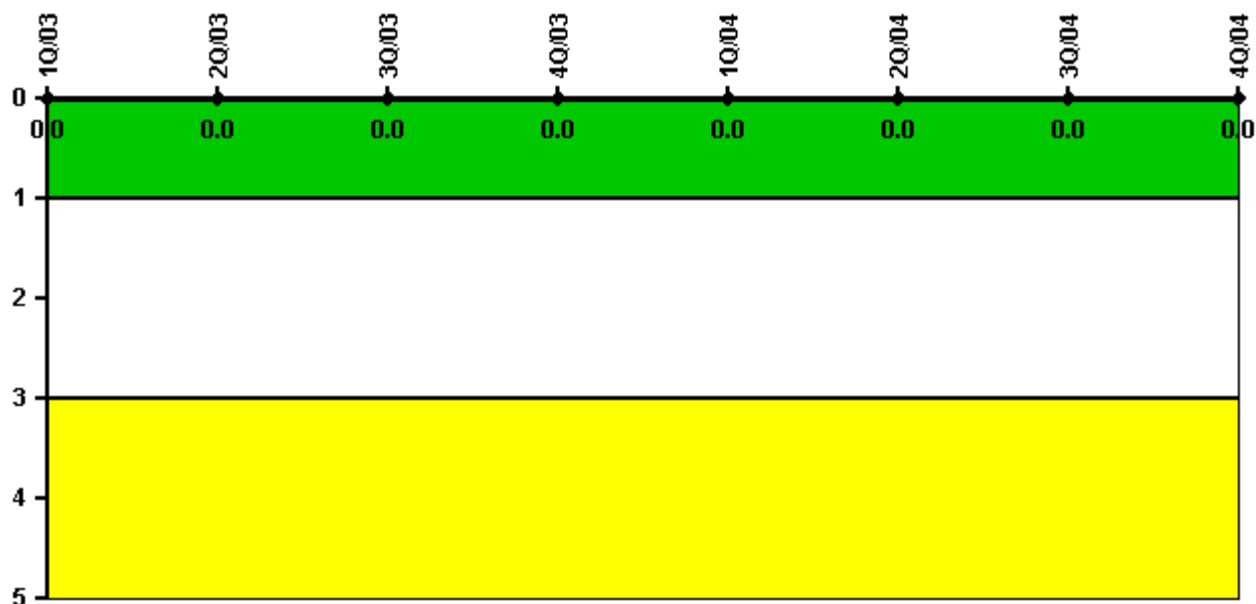
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
High radiation area occurrences	0	0	0	0	1	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	0	0	0	1	1	1	1

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
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: March 9, 2005