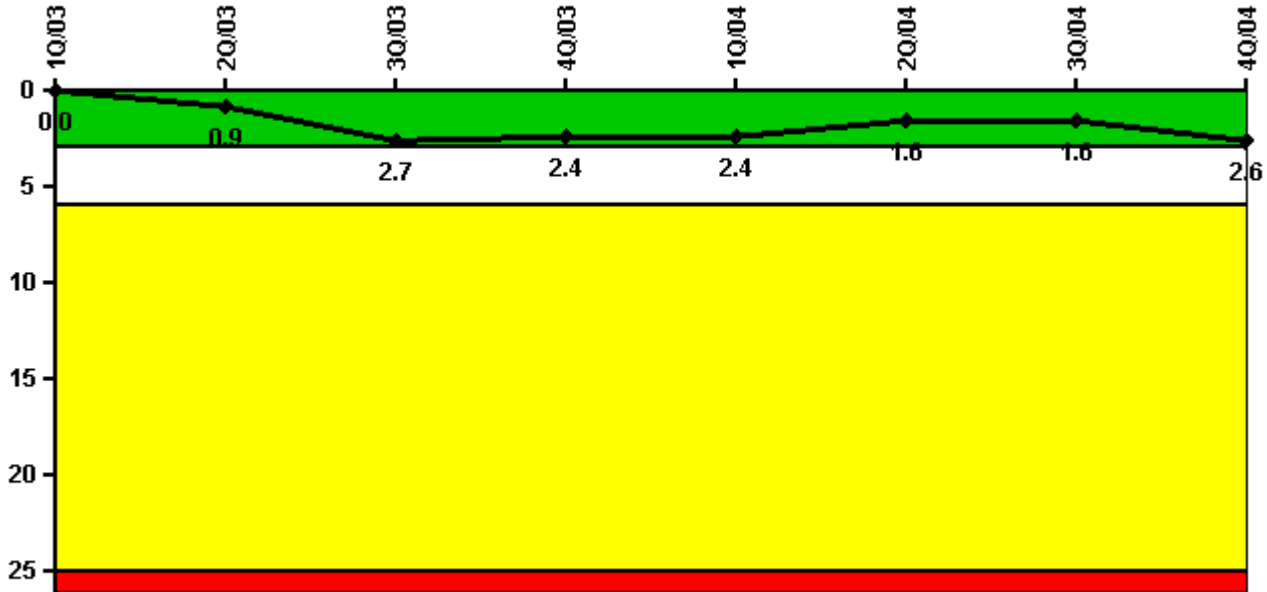


Indian Point 2

4Q/2004 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



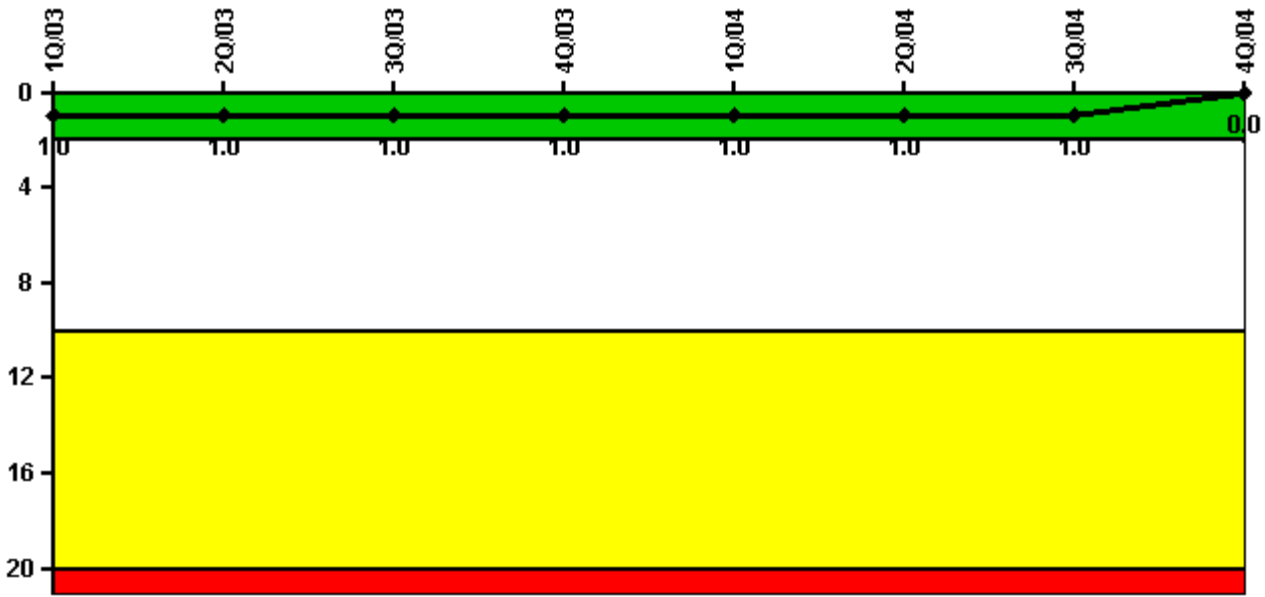
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

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	1.0	2.0	0	0	0	2.0	1.0
Critical hours	2160.0	2149.7	2146.2	2209.0	2184.0	2183.0	2147.4	1480.2
Indicator value	0	0.9	2.7	2.4	2.4	1.6	1.6	2.6

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



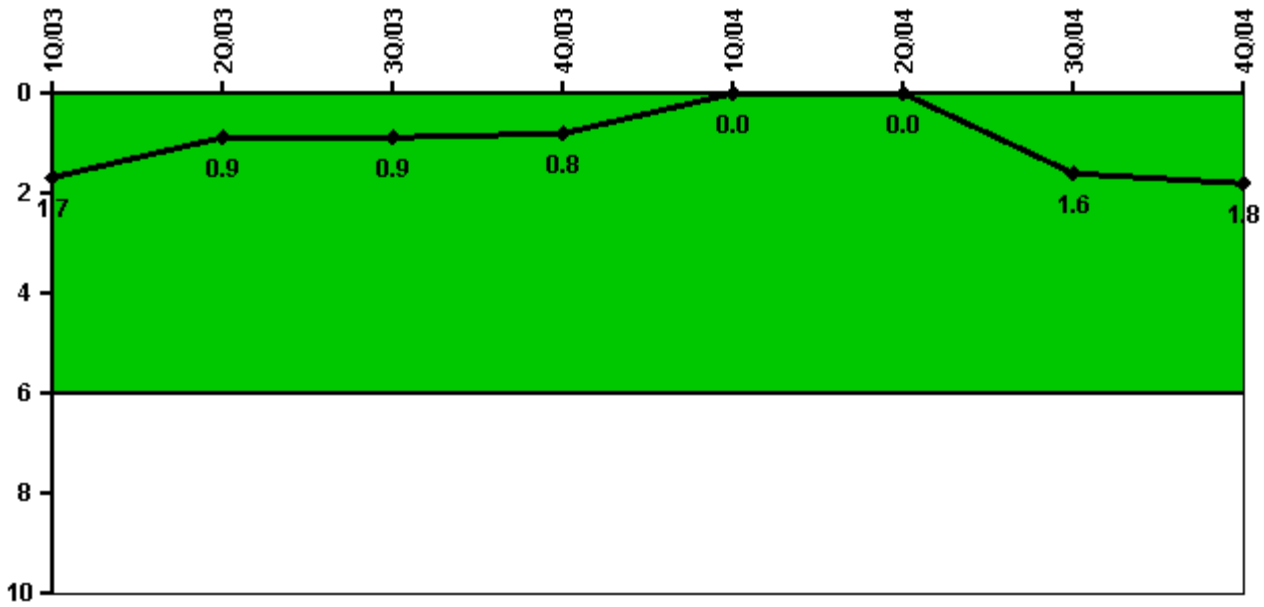
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



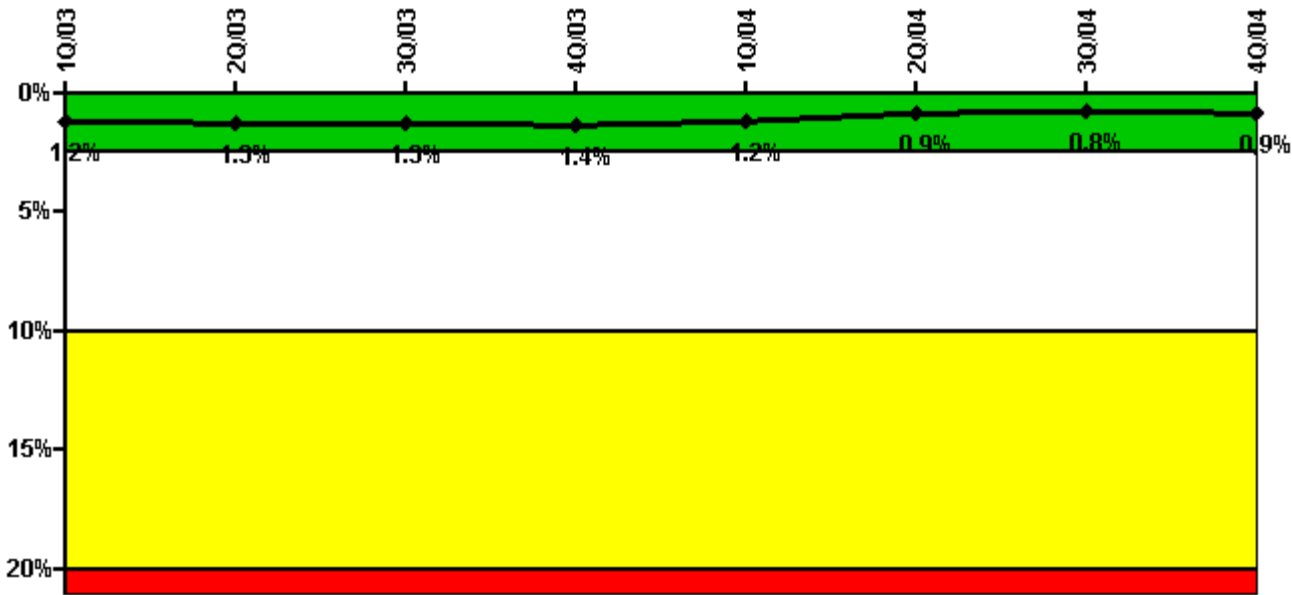
Thresholds: White > 6.0

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	1.0	0	0	0	0	0	2.0	0
Critical hours	2160.0	2149.7	2146.2	2209.0	2184.0	2183.0	2147.4	1480.2
Indicator value	1.7	0.9	0.9	0.8	0	0	1.6	1.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power, >2EDG



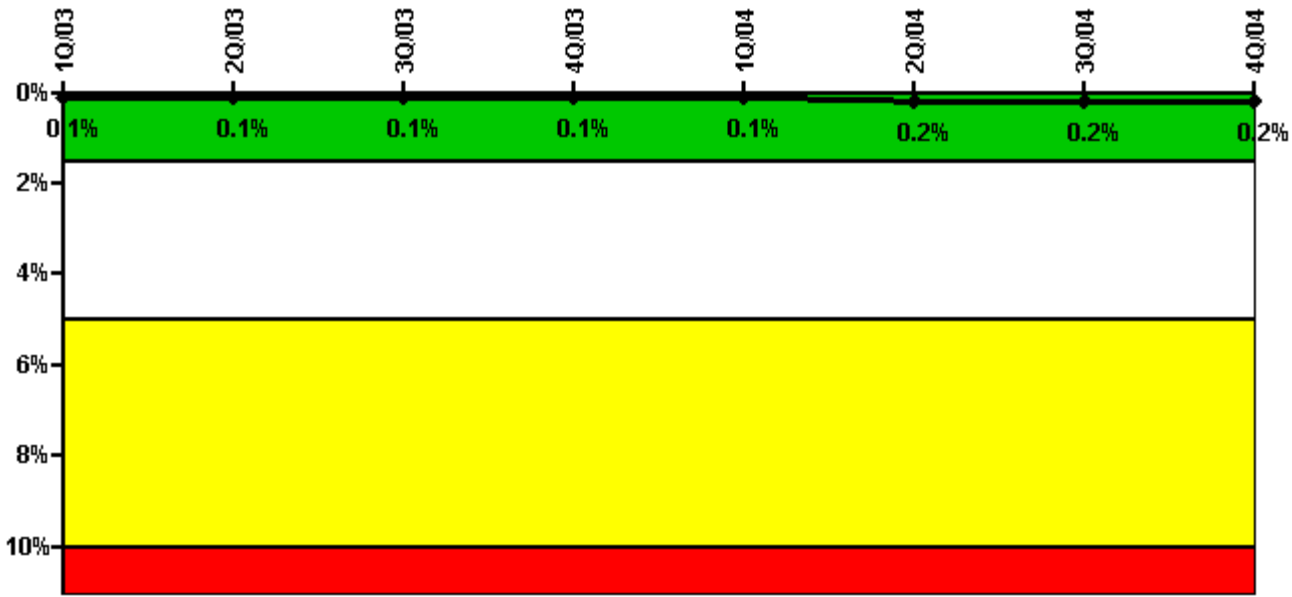
Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Train 1								
Planned unavailable hours	68.27	11.35	0	0	30.01	0	18.88	25.83
Unplanned unavailable hours	0	0	6.57	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	2.00	21.25	0	25.52	17.73	0	43.69	22.97
Unplanned unavailable hours	0	9.42	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	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	0.22	46.45	0	22.90	8.00	14.11	0	45.00
Unplanned unavailable hours	46.16	0	0	0	0	0	0	27.86
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	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.3%	1.3%	1.4%	1.2%	0.9%	0.8%	0.9%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



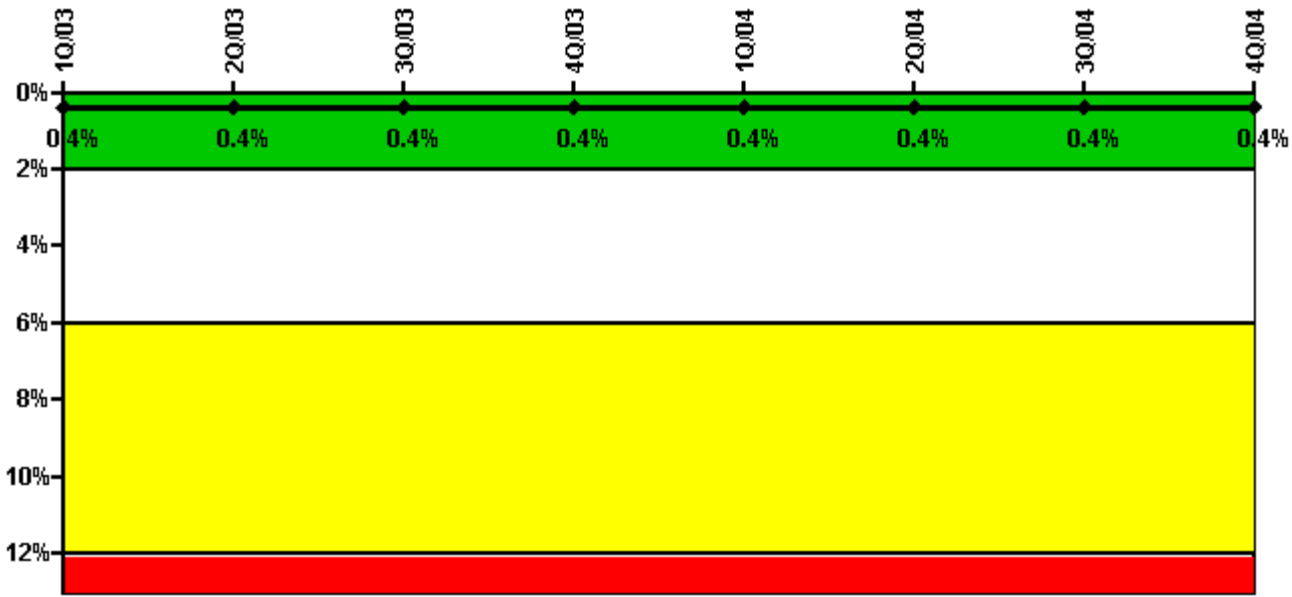
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	6.00	0	12.00	0	0	16.20	0	0
Unplanned unavailable hours	0	0	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	2160.00	2183.00	2146.00	2209.00	2184.00	2183.00	2208.00	1480.20
Train 2								
Planned unavailable hours	0.50	4.76	0	3.00	2.57	16.56	0.25	13.25
Unplanned unavailable hours	0	0	0	4.50	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	2160.00	2183.00	2146.00	2209.00	2184.00	2183.00	2208.00	1480.20
Train 3								
Planned unavailable hours	7.20	0	2.82	2.00	8.65	0	18.00	0.18
Unplanned unavailable hours	0	0	0	6.00	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	2160.00	2183.00	2146.00	2209.00	2184.00	2183.00	2208.00	1480.20
Indicator value	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (AFW)



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

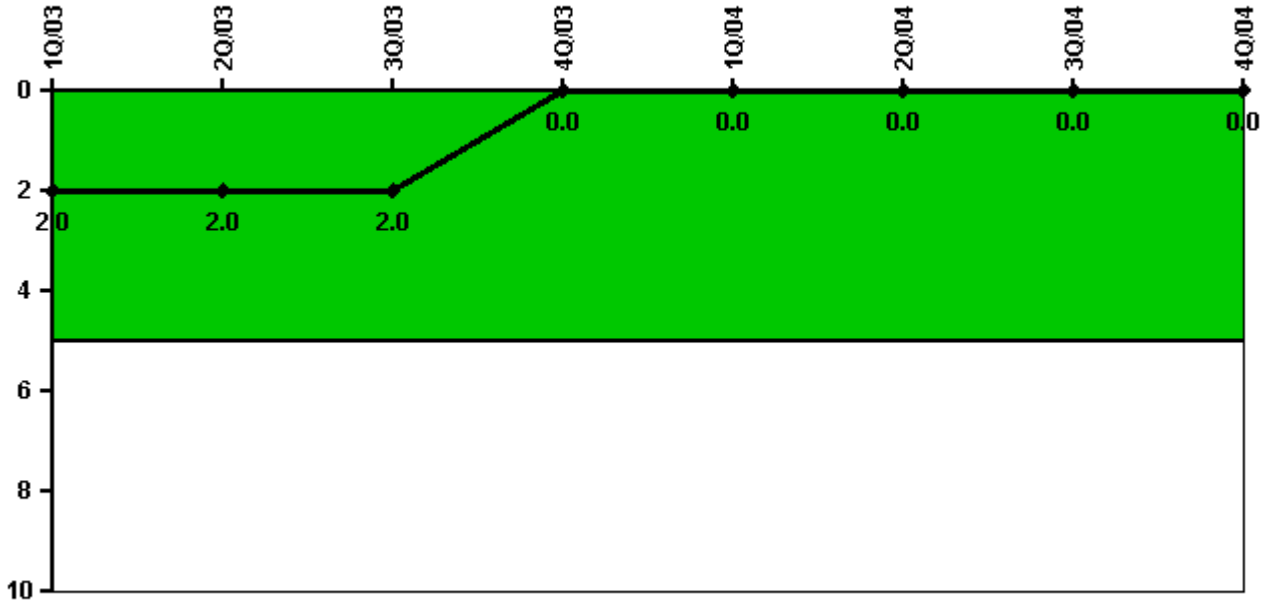
Notes

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	18.75	16.38	1.50	13.60	12.00	2.97	6.32	2.68
Unplanned unavailable hours	0	0	0.16	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	2160.00	2149.70	2146.00	2209.00	2184.00	2183.00	2208.00	1480.20
Train 2								
Planned unavailable hours	19.63	13.25	2.50	4.30	7.11	11.51	23.68	2.20
Unplanned unavailable hours	0	0	0	7.27	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	2160.00	2149.70	2146.00	2209.00	2184.00	2183.00	2208.00	1480.20
Train 3								
Planned unavailable hours	4.50	9.43	0	11.60	4.70	9.32	0.55	4.63
Unplanned unavailable hours	0	0	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	2160.00	2149.70	2146.00	2209.00	2184.00	2183.00	2208.00	1480.20
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

Licensee Comments: none

Licensee Comments: none

Safety System Functional Failures (PWR)



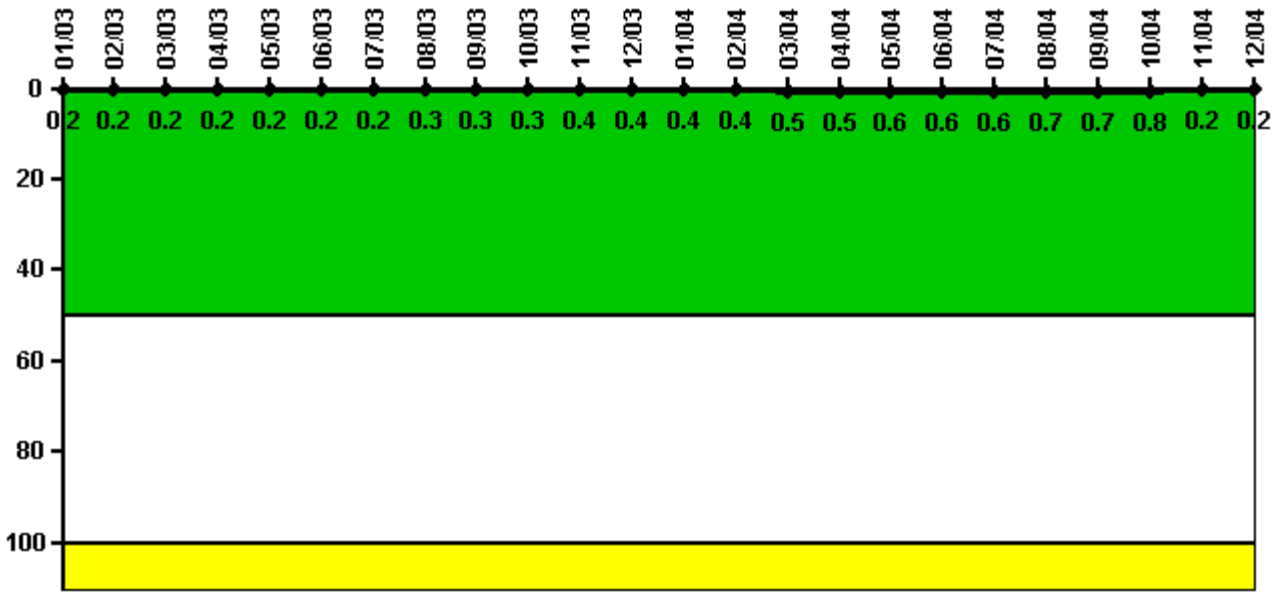
Thresholds: White > 5.0

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

Licensee Comments: none

Reactor Coolant System Activity



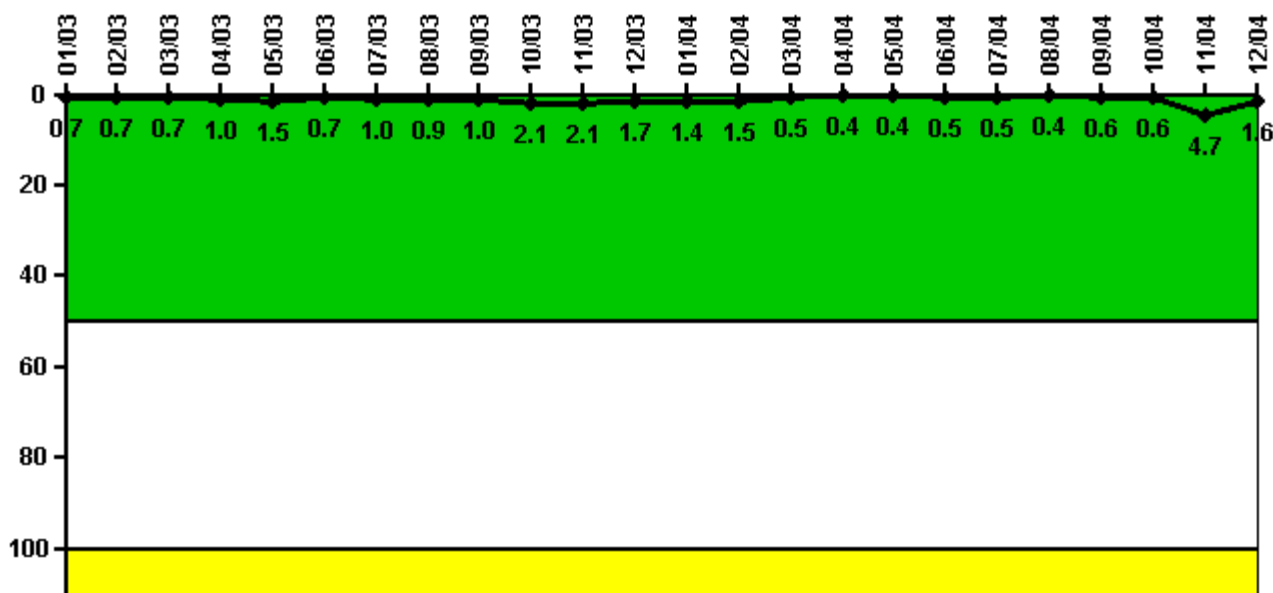
Thresholds: White > 50.0 Yellow > 100.0

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	0.001800	0.001900	0.002100	0.002100	0.002200	0.002300	0.002200	0.002800	0.003100	0.003330	0.004160	0.004110
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4
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	0.004230	0.004400	0.004620	0.005170	0.005510	0.005810	0.006250	0.006690	0.006880	0.007960	0.001550	0.002020
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	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



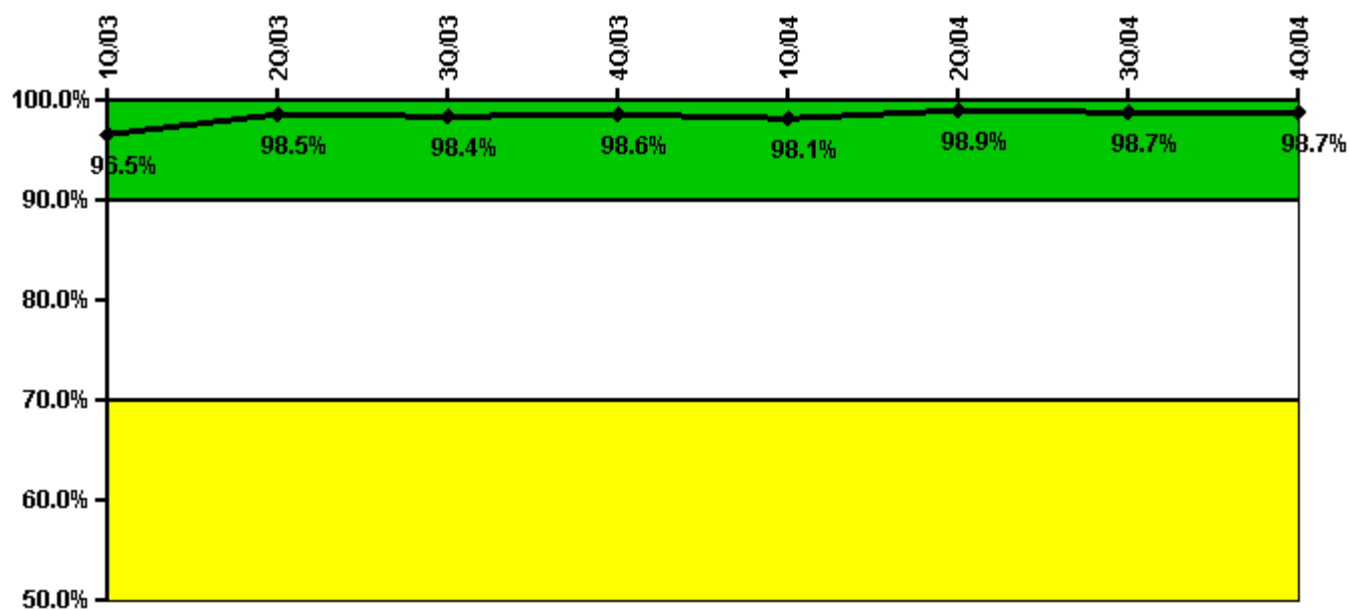
Thresholds: White > 50.0 Yellow > 100.0

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	0.067	0.070	0.070	0.102	0.148	0.075	0.097	0.093	0.096	0.211	0.211	0.168
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	0.7	0.7	0.7	1.0	1.5	0.7	1.0	0.9	1.0	2.1	2.1	1.7
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	0.139	0.147	0.050	0.039	0.038	0.045	0.045	0.037	0.060	0.060	0.469	0.159
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	1.4	1.5	0.5	0.4	0.4	0.5	0.5	0.4	0.6	0.6	4.7	1.6

Licensee Comments: none

Drill/Exercise Performance



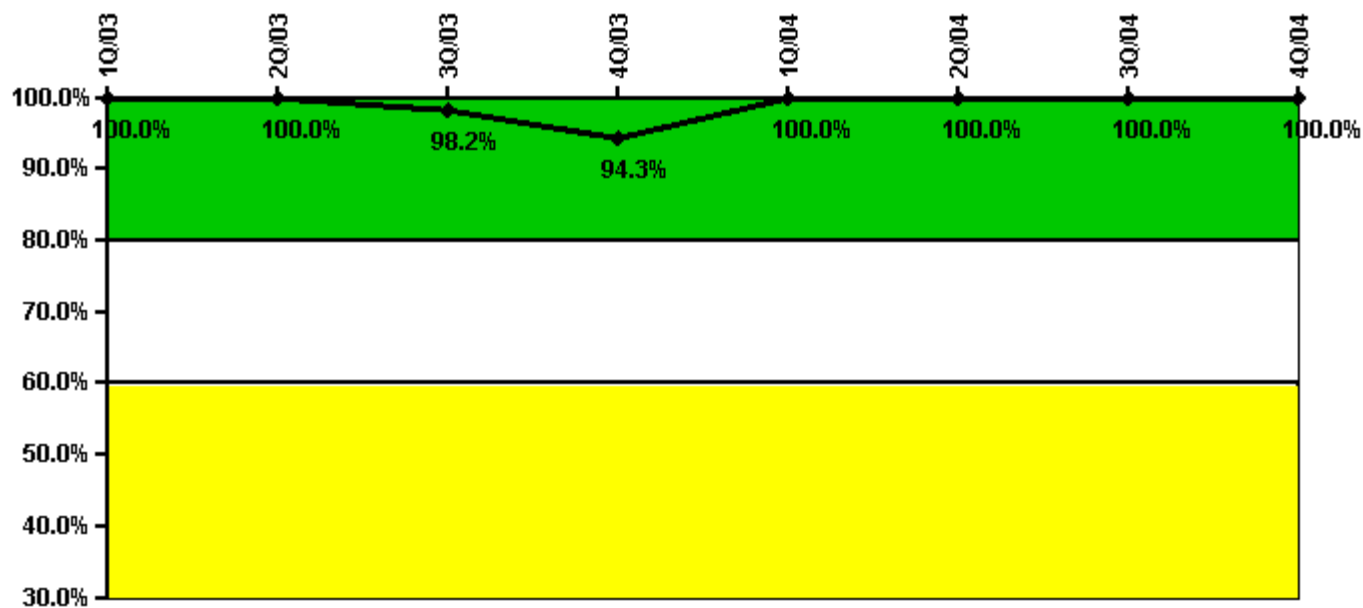
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful opportunities	7.0	9.0	21.0	24.0	21.0	46.0	19.0	0
Total opportunities	7.0	9.0	21.0	24.0	22.0	47.0	19.0	0
Indicator value	96.5%	98.5%	98.4%	98.6%	98.1%	98.9%	98.7%	98.7%

Licensee Comments: none

ERO Drill Participation



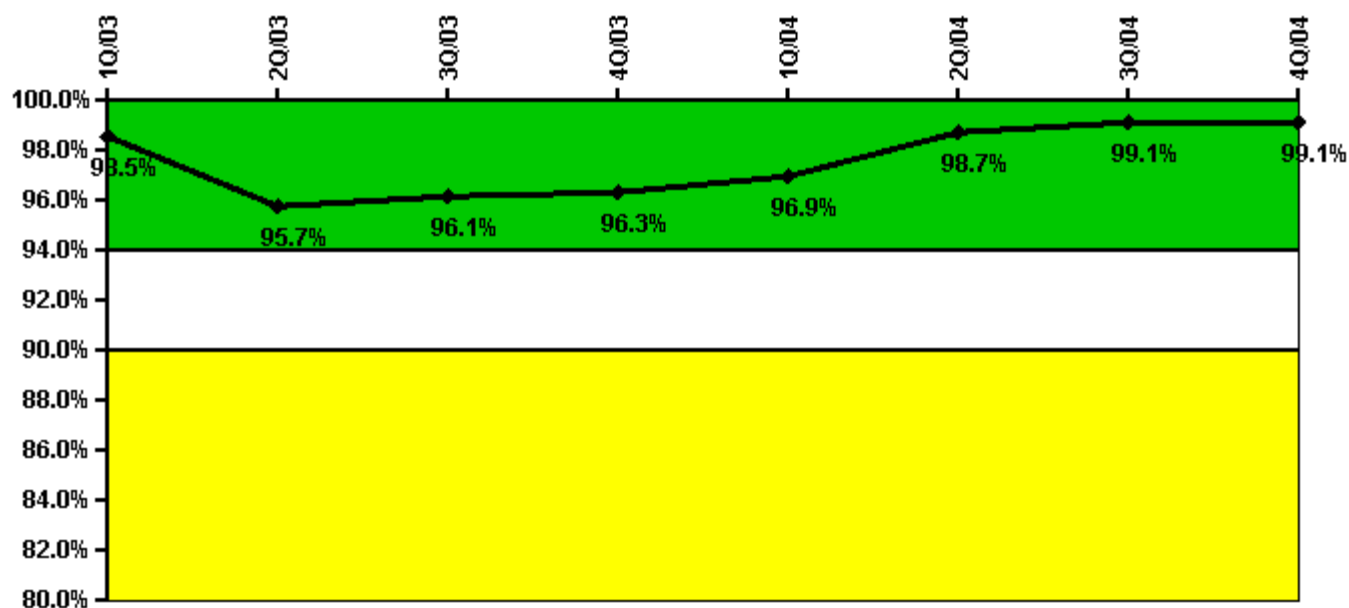
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Participating Key personnel	53.0	53.0	55.0	50.0	54.0	59.0	59.0	60.0
Total Key personnel	53.0	53.0	56.0	53.0	54.0	59.0	59.0	60.0
Indicator value	100.0%	100.0%	98.2%	94.3%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



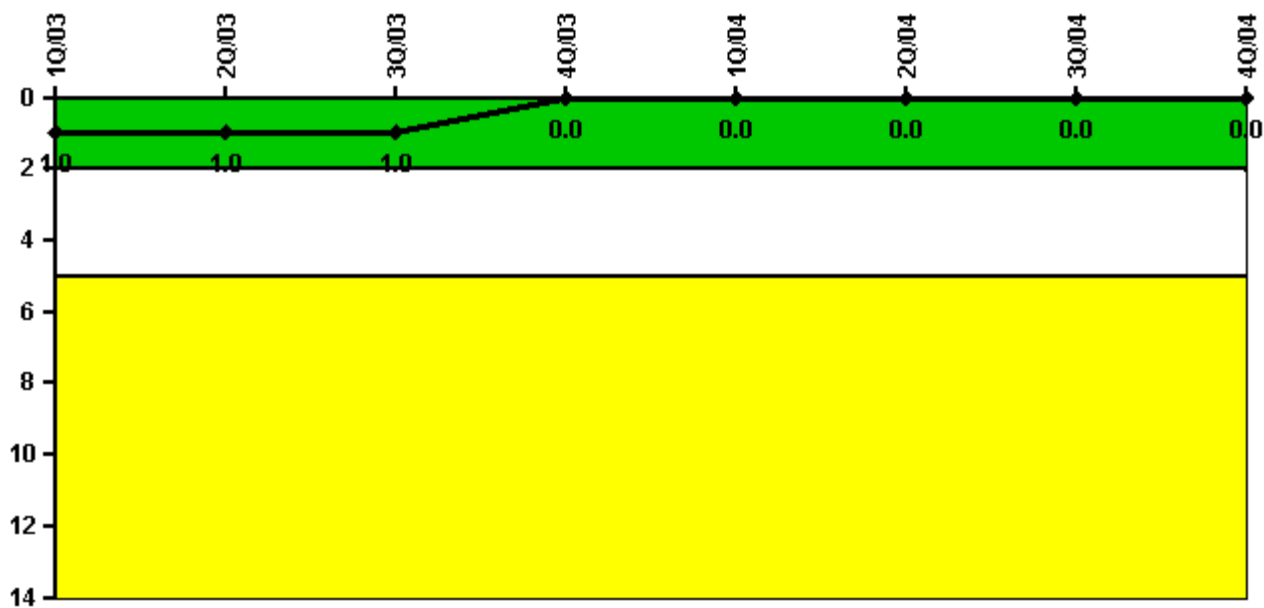
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04	4Q/04
Successful siren-tests	984	1236	1805	1901	2491	3183	2299	1081
Total sirens-tests	988	1386	1857	1920	2510	3212	2321	1097
Indicator value	98.5%	95.7%	96.1%	96.3%	96.9%	98.7%	99.1%	99.1%

Licensee Comments: none

Occupational Exposure Control Effectiveness



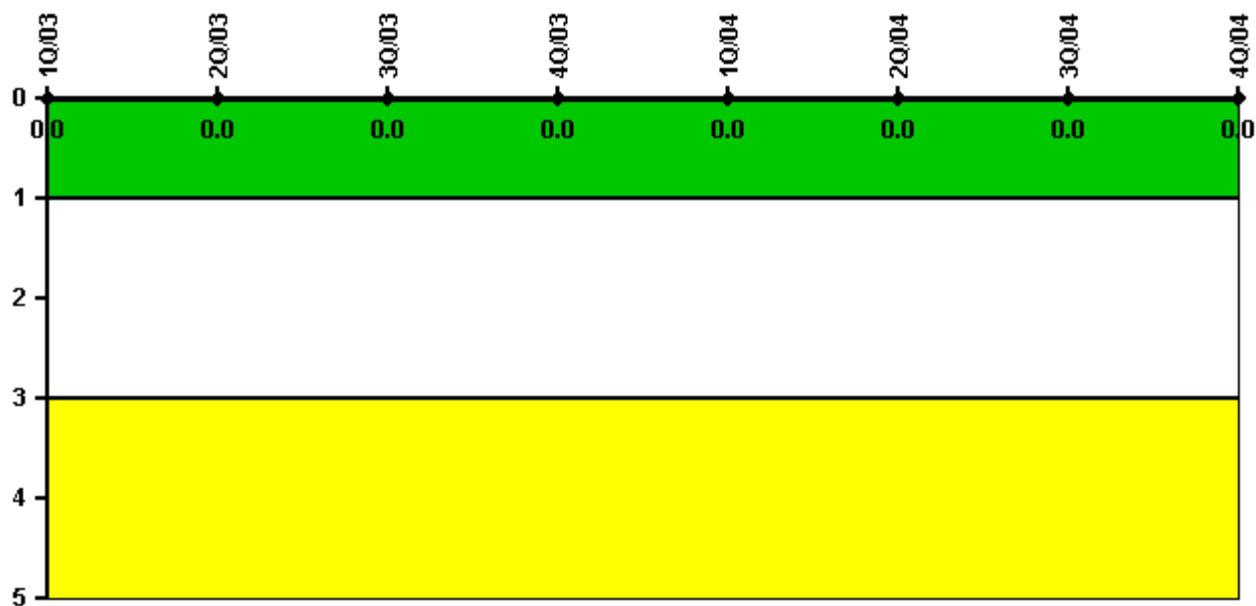
Thresholds: White > 2.0 Yellow > 5.0

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	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	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