

Beaver Valley 1

3Q/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	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned scrams	1.0	1.0	0	0	1.0	0	0	0
Critical hours	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0
Indicator value	0.8	1.8	1.9	1.9	1.9	0.9	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



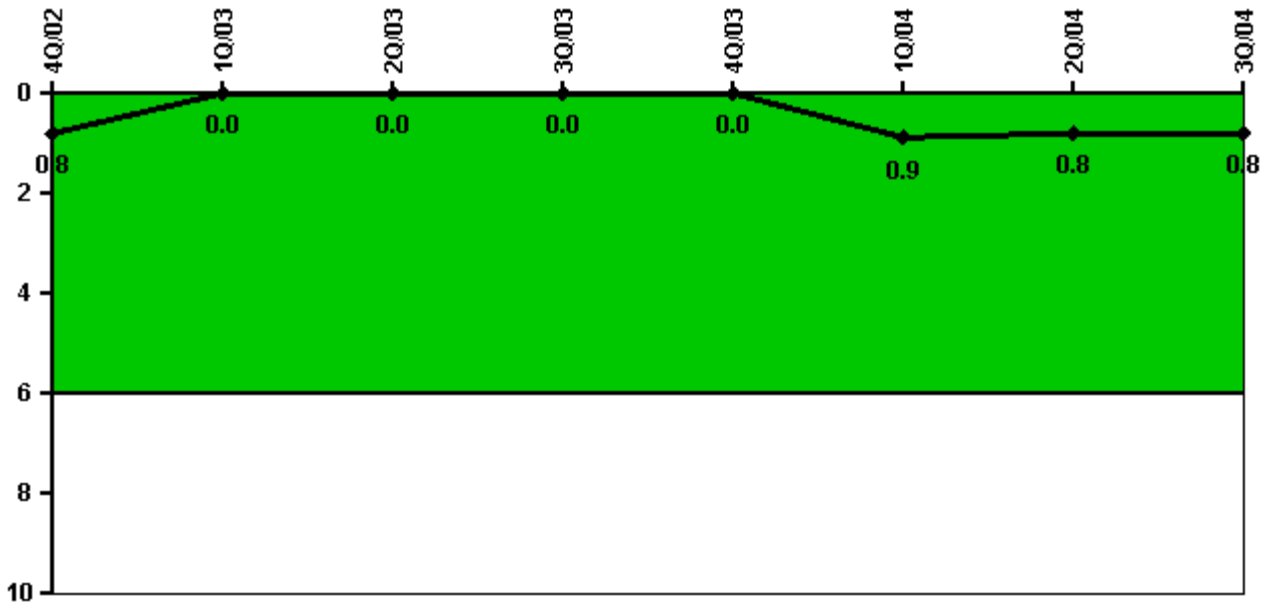
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Scrams	0	1.0	0	0	0	0	0	0
Indicator value	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



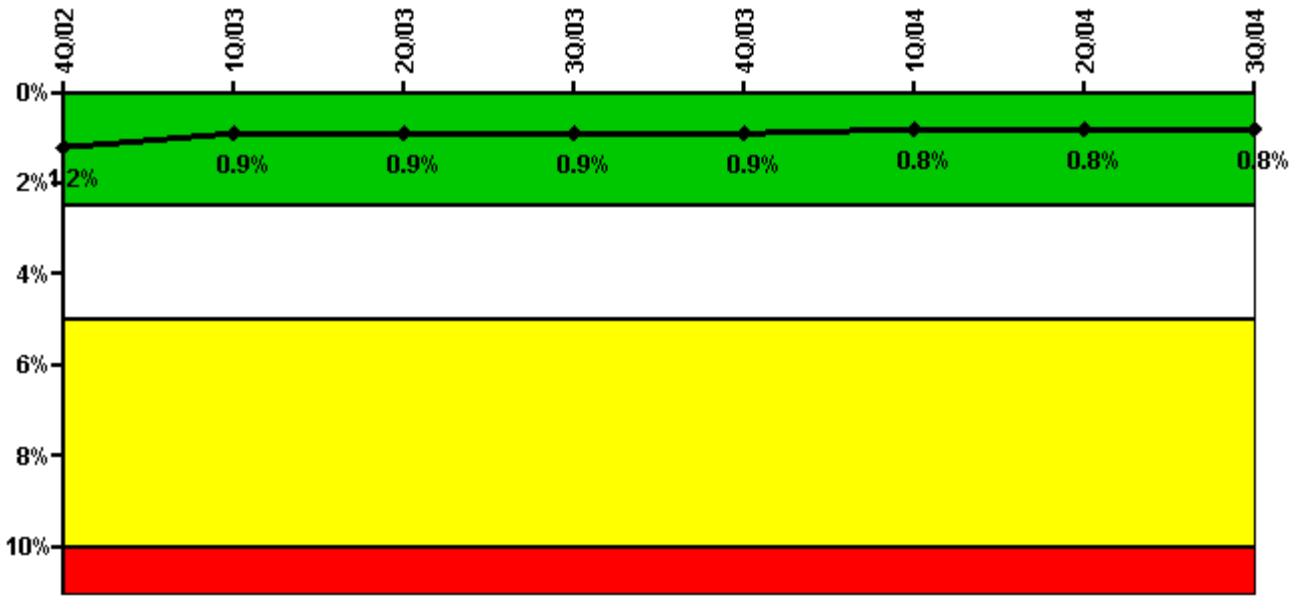
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Unplanned power changes	0	0	0	0	0	1.0	0	0
Critical hours	1958.1	1531.5	1511.0	2208.0	2185.3	2184.0	2183.0	2208.0
Indicator value	0.8	0	0	0	0	0.9	0.8	0.8

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



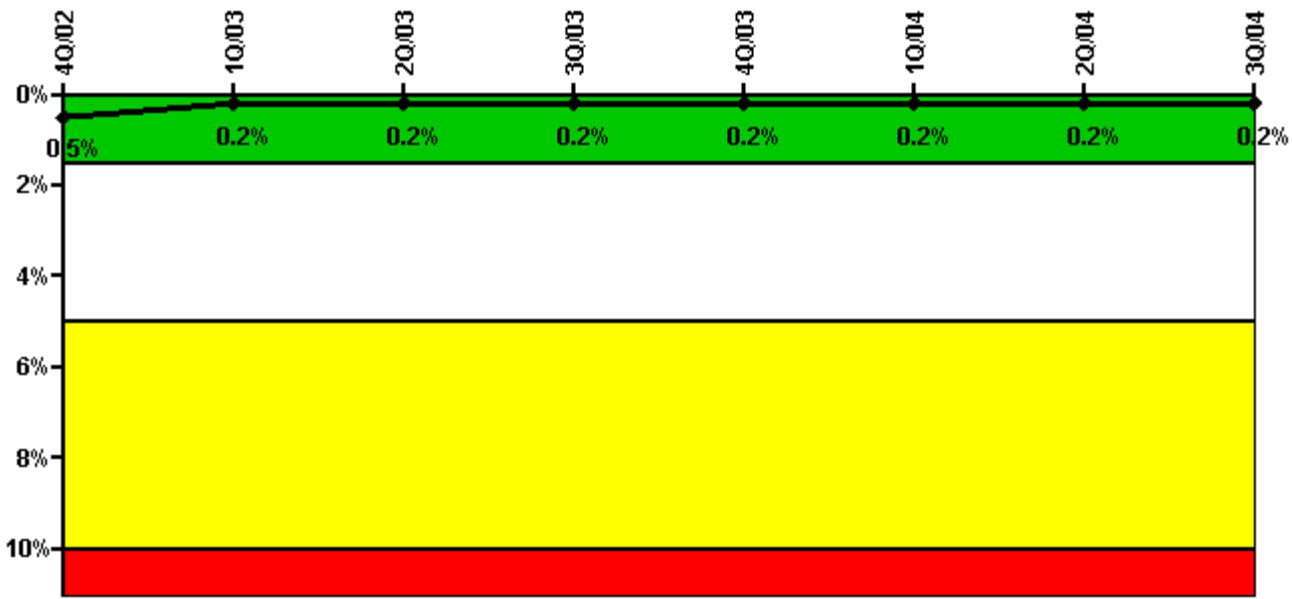
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Emergency AC Power	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	6.20	13.80	4.90	6.00	4.70	11.50	14.10	63.20
Unplanned unavailable hours	0	0	0	0	0	0	2.10	4.50
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	6.40	24.90	27.10	6.00	5.10	8.00	9.70	12.90
Unplanned unavailable hours	0	0	0	0	7.20	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	2209.00	2160.00	2183.00	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	1.2%	0.9%	0.9%	0.9%	0.9%	0.8%	0.8%	0.8%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPSI)



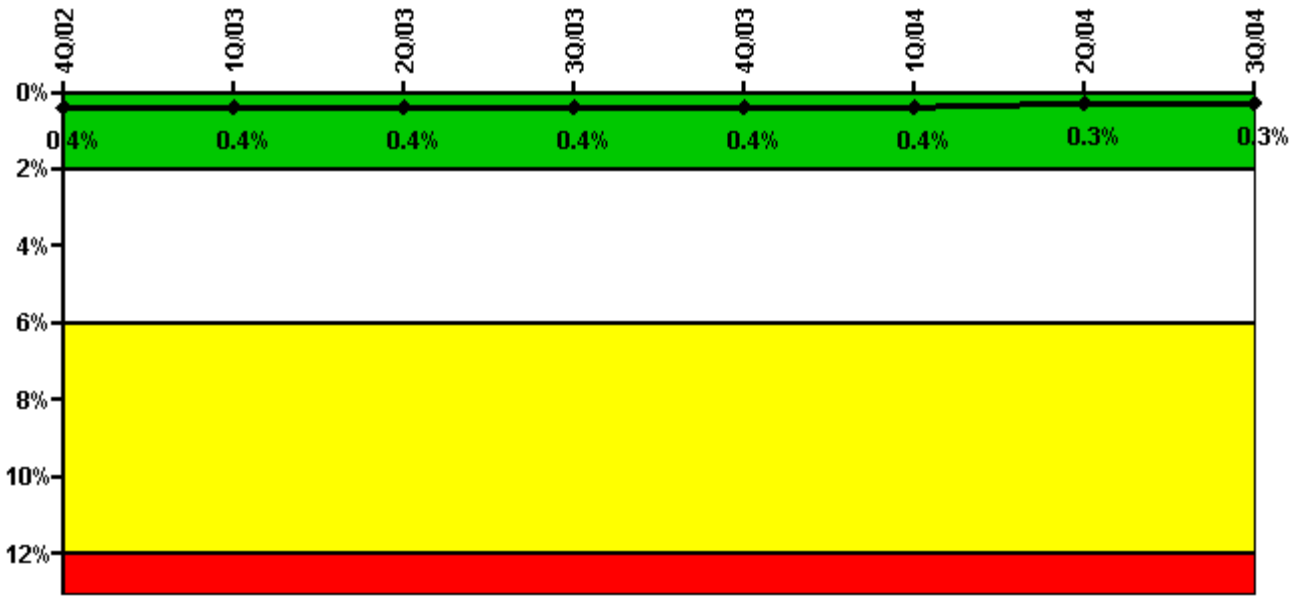
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	1.22	2.51	1.39	1.45	1.04	5.57	8.37	6.50
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	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0.55	1.26	25.47	3.00	1.25	7.84	9.51	15.65
Unplanned unavailable hours	0	0	0	0	0.62	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	1940.07	1534.70	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.5%	0.2%	0.2%	0.2%	0.2%	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)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Train 1								
Planned unavailable hours	12.15	0	6.92	0	9.55	1.65	1.47	3.78
Unplanned unavailable hours	0	0.28	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	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Train 2								
Planned unavailable hours	0	13.33	0	0	5.88	18.37	3.11	6.44
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	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Train 3								
Planned unavailable hours	3.17	0	35.15	2.73	8.85	0.25	0.30	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	1940.07	1595.60	1599.60	2208.00	2209.00	2184.00	2183.00	2208.00
Indicator value	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%

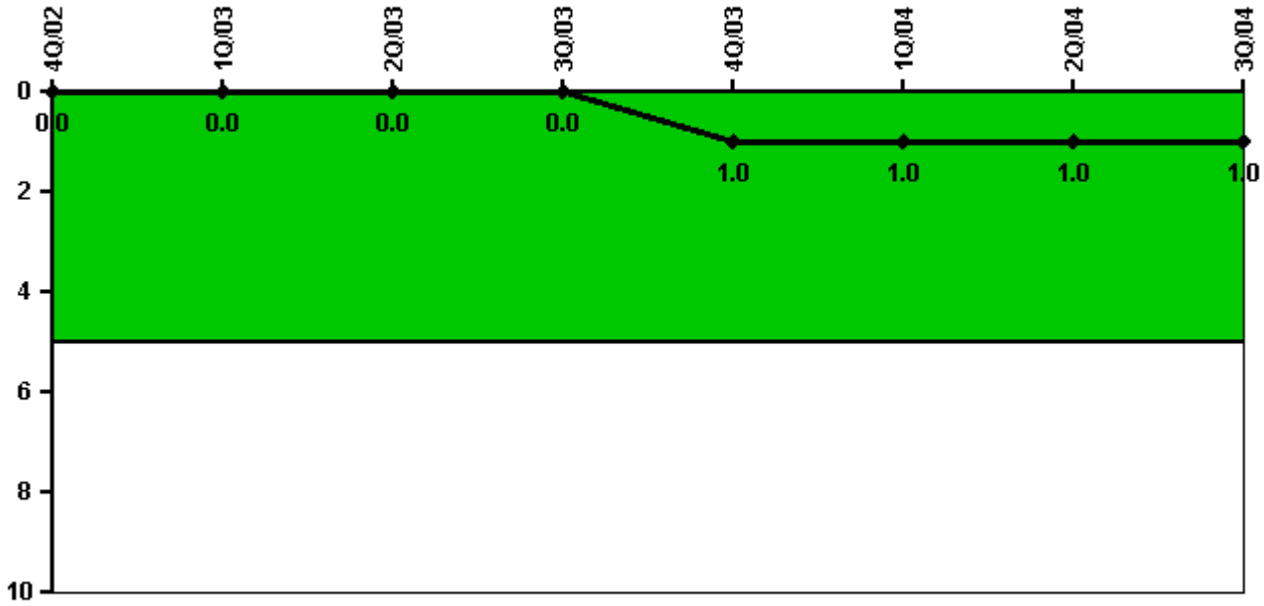
Licensee Comments:

3Q/04: 23.5 Hours of Unplanned Unavailable time for Train 3 is being evaluated per the FAQ process for the month of September.

Indicator value	0.4%	0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%
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Licensee Comments: none

Safety System Functional Failures (PWR)



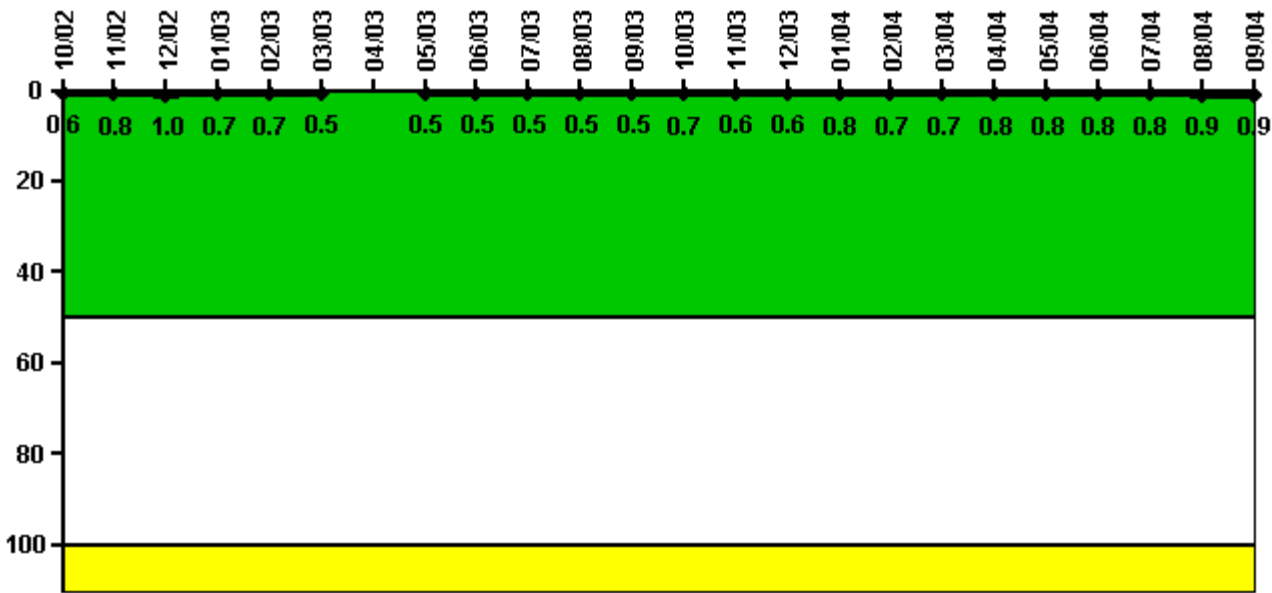
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Safety System Functional Failures	0	0	0	0	1	0	0	0
Indicator value	0	0	0	0	1	1	1	1

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

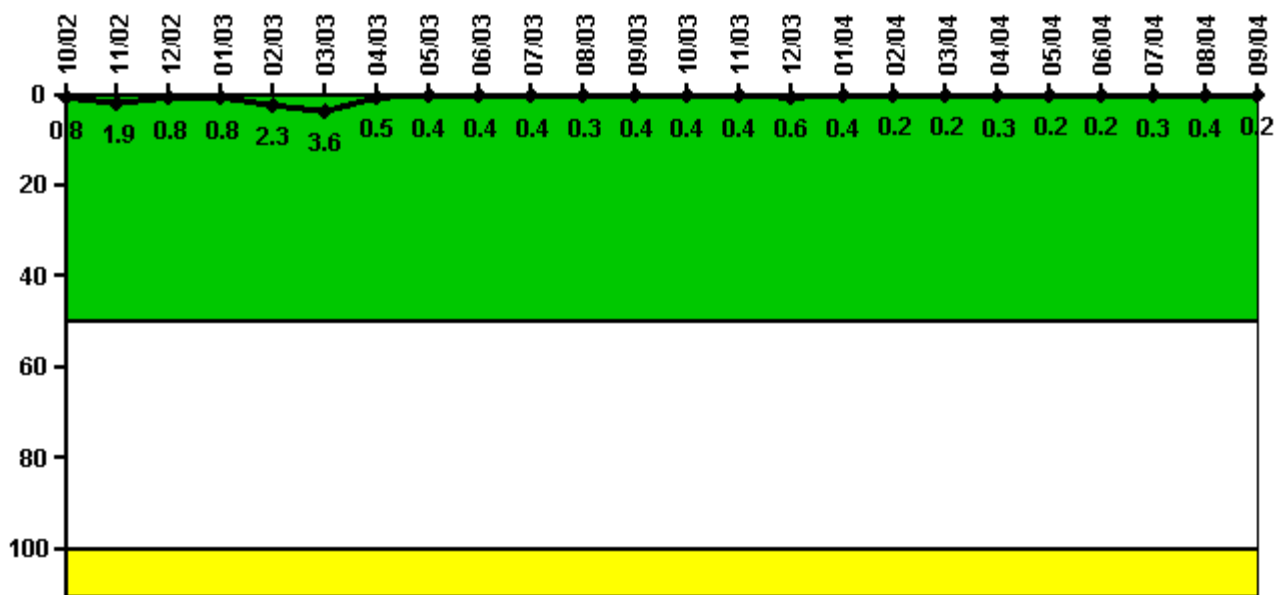
Notes

Reactor Coolant System Activity	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum activity	0.000642	0.000806	0.000979	0.000705	0.000687	0.000509	N/A	0.000529	0.000450	0.000488	0.000497	0.000526
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.6	0.8	1.0	0.7	0.7	0.5	N/A	0.5	0.5	0.5	0.5	0.5

Reactor Coolant System Activity	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum activity	0.000688	0.000592	0.000575	0.000807	0.000741	0.000719	0.000796	0.000801	0.000770	0.000777	0.000889	0.000869
Technical specification limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Indicator value	0.7	0.6	0.6	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

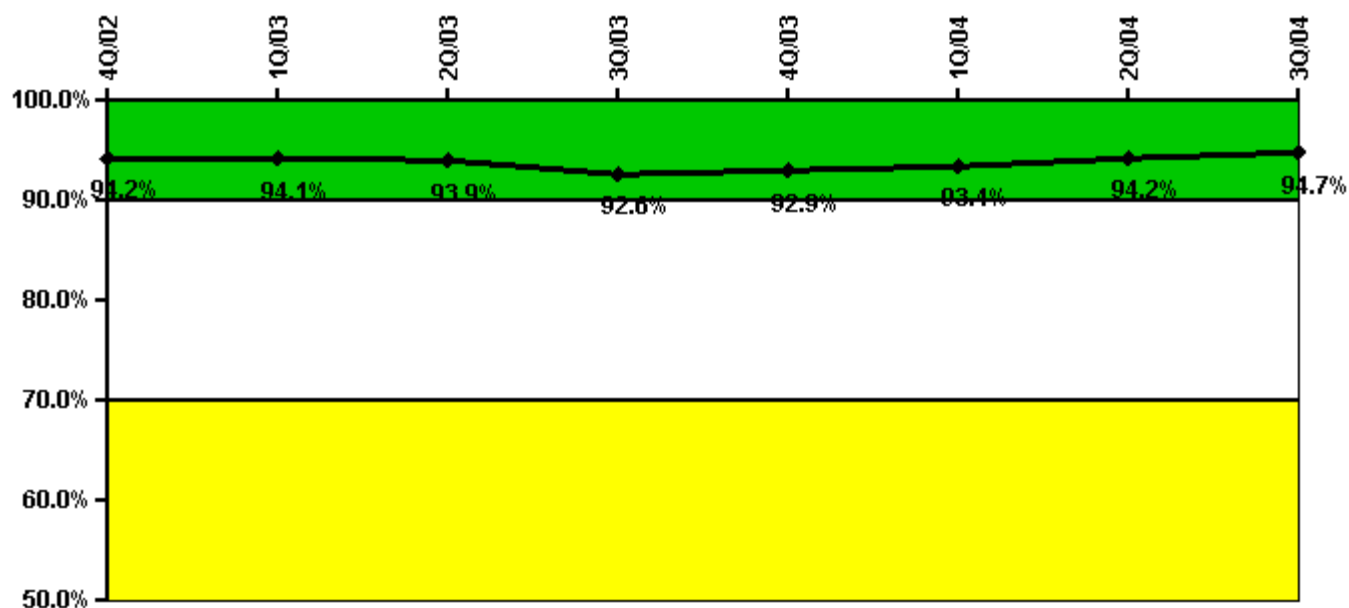
Notes

Reactor Coolant System Leakage	10/02	11/02	12/02	1/03	2/03	3/03	4/03	5/03	6/03	7/03	8/03	9/03
Maximum leakage	0.080	0.190	0.080	0.081	0.230	0.360	0.050	0.040	0.044	0.040	0.030	0.040
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	0.8	1.9	0.8	0.8	2.3	3.6	0.5	0.4	0.4	0.4	0.3	0.4

Reactor Coolant System Leakage	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	6/04	7/04	8/04	9/04
Maximum leakage	0.040	0.040	0.060	0.040	0.020	0.020	0.030	0.020	0.020	0.030	0.040	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	0.4	0.4	0.6	0.4	0.2	0.2	0.3	0.2	0.2	0.3	0.4	0.2

Licensee Comments: none

Drill/Exercise Performance



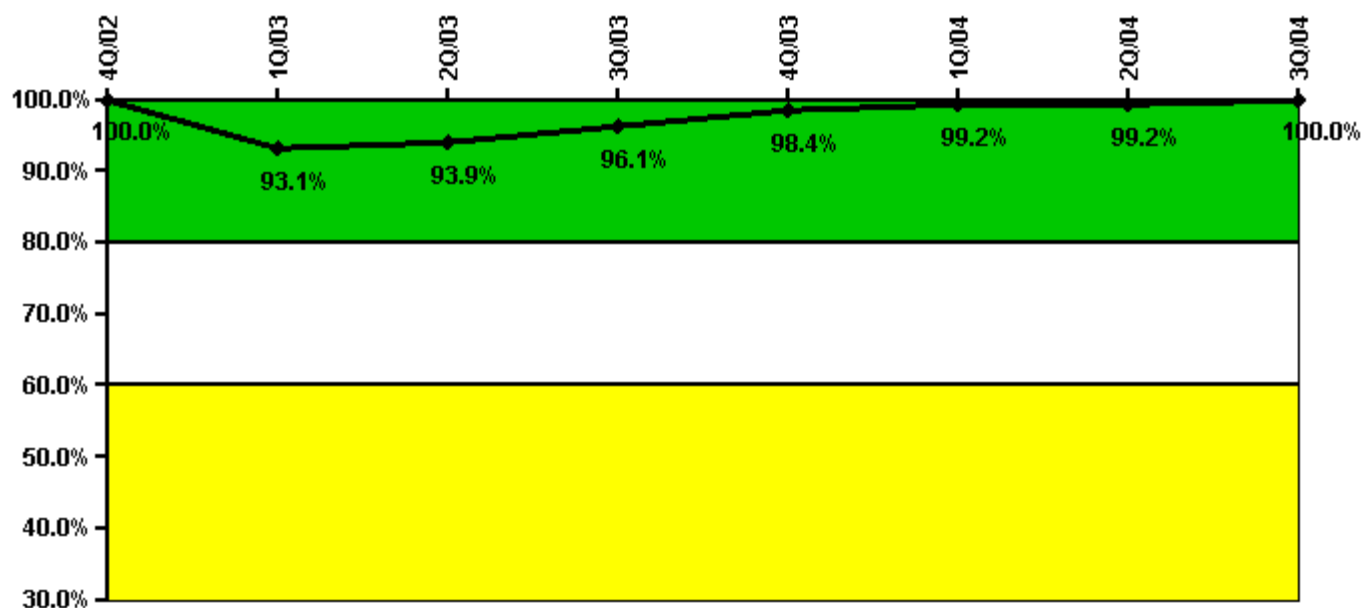
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful opportunities	29.0	2.0	15.0	14.0	47.0	20.0	39.0	32.0
Total opportunities	33.0	2.0	16.0	16.0	47.0	20.0	43.0	32.0
Indicator value	94.2%	94.1%	93.9%	92.6%	92.9%	93.4%	94.2%	94.7%

Licensee Comments: none

ERO Drill Participation



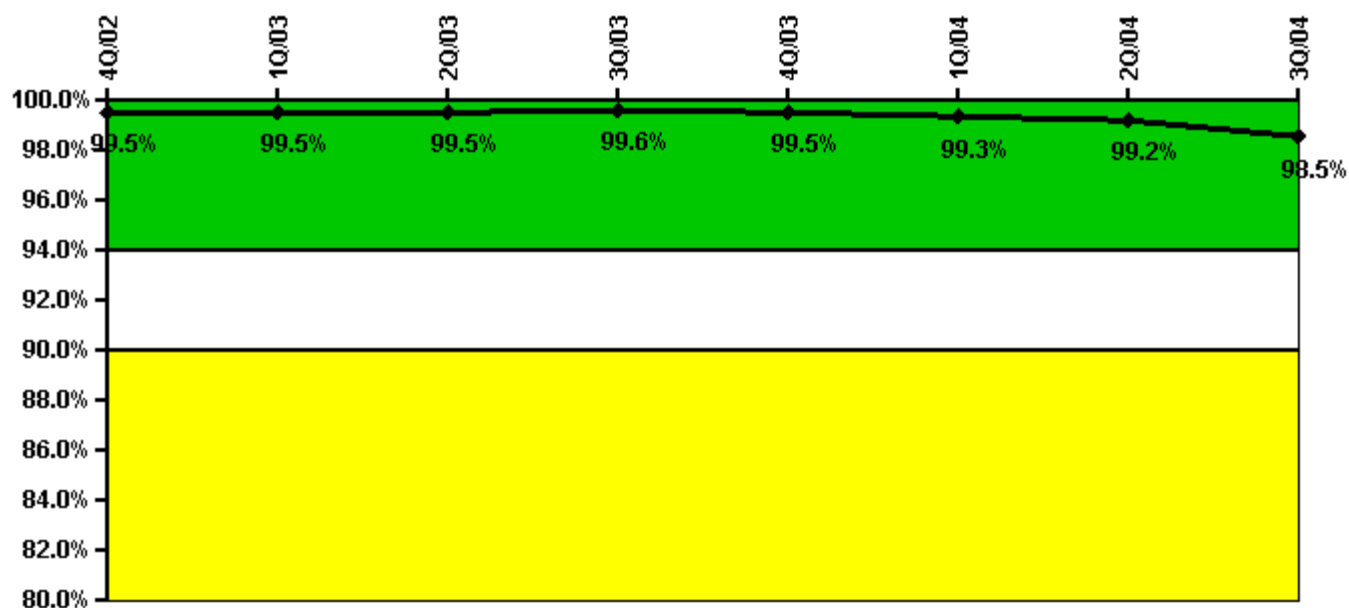
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Participating Key personnel	121.0	122.0	123.0	122.0	123.0	123.0	121.0	125.0
Total Key personnel	121.0	131.0	131.0	127.0	125.0	124.0	122.0	125.0
Indicator value	100.0%	93.1%	93.9%	96.1%	98.4%	99.2%	99.2%	100.0%

Licensee Comments: none

Alert & Notification System



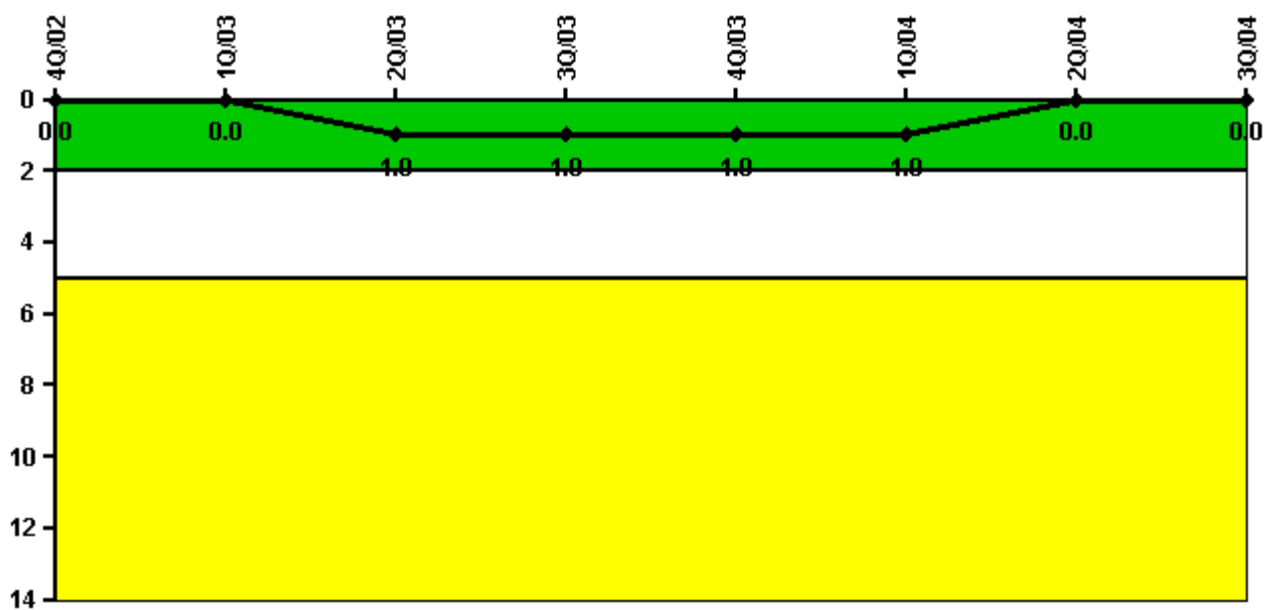
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
Successful siren-tests	232	116	117	238	117	117	118	234
Total sirens-tests	234	117	117	238	119	119	119	238
Indicator value	99.5%	99.5%	99.5%	99.6%	99.5%	99.3%	99.2%	98.5%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/04
High radiation area occurrences	0	0	1	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	0	0	1	1	1	1	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/02	1Q/03	2Q/03	3Q/03	4Q/03	1Q/04	2Q/04	3Q/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.