

Wolf Creek 1

3Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



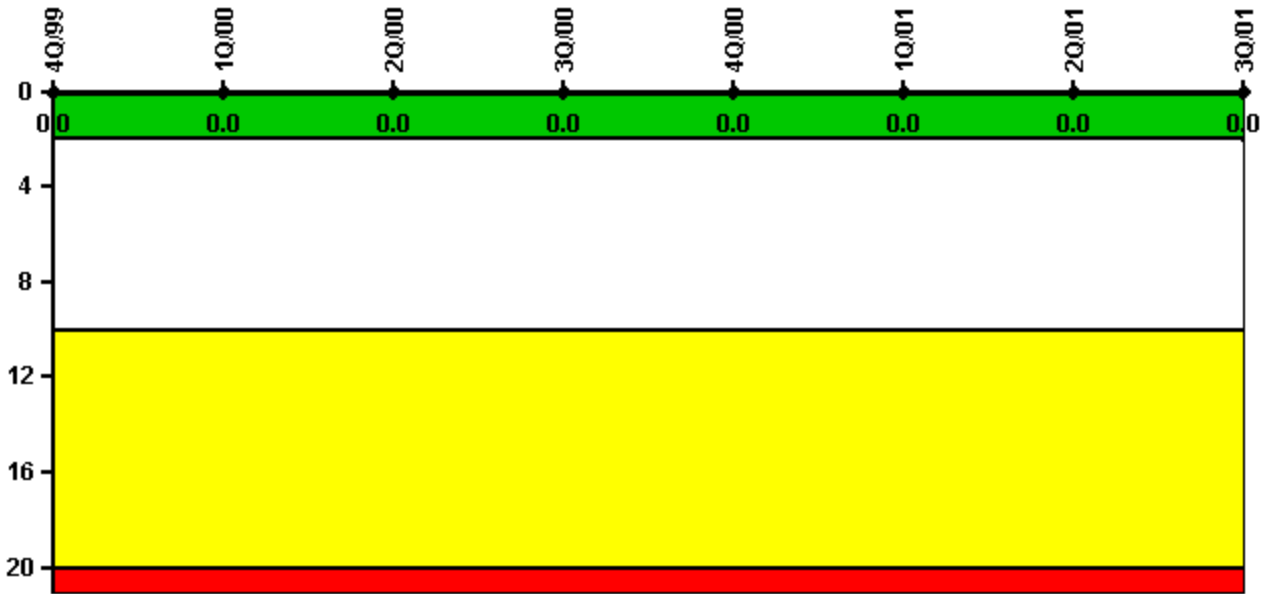
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned scrams	0	0	0	1.0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0
Indicator value	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



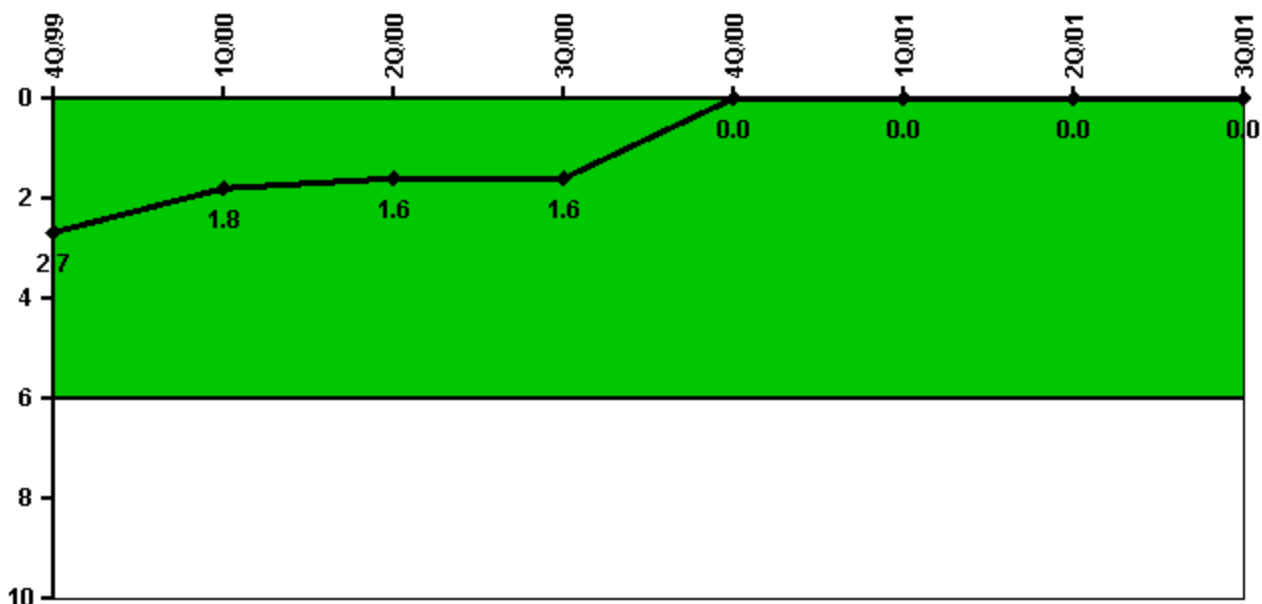
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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



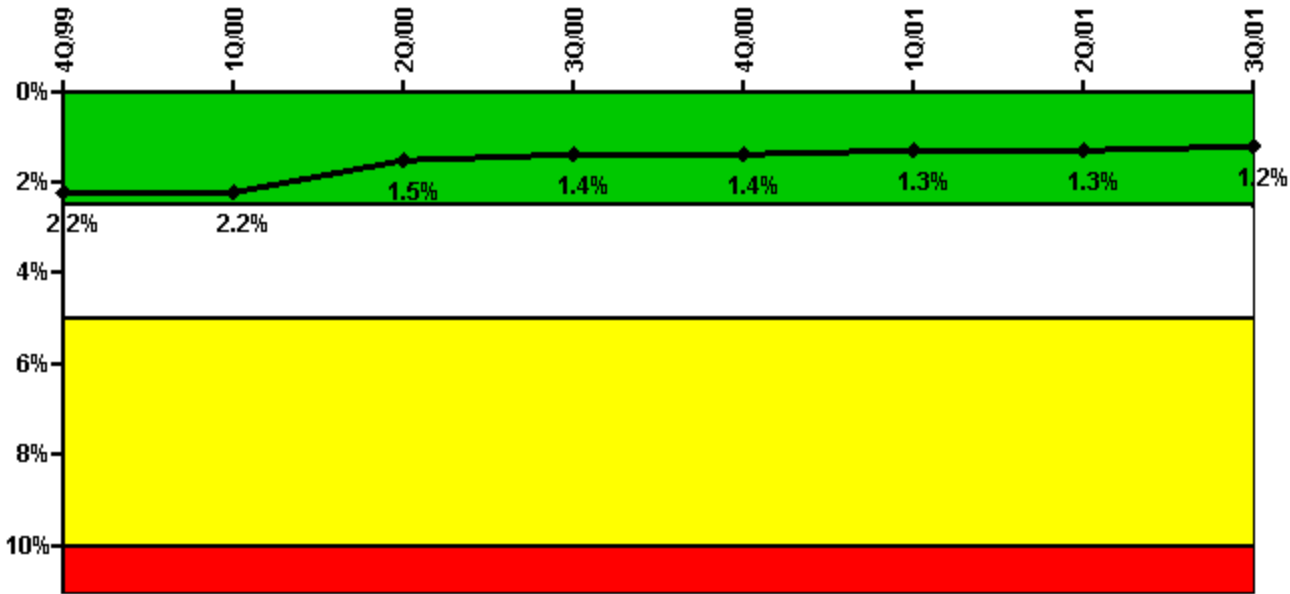
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Unplanned power changes	2.0	0	0	0	0	0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0
Indicator value	2.7	1.8	1.6	1.6	0	0	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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	35.20	54.64	33.88	2.60	15.72	2.72	31.00	0.70
Unplanned unavailable hours	44.40	10.90	4.78	0	0	0	14.08	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	395.50	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	3.58	38.68	3.64	19.17	0.95	9.27	0.98	18.10
Unplanned unavailable hours	3.33	0	20.57	0	7.43	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Indicator value	2.2%	2.2%	1.5%	1.4%	1.4%	1.3%	1.3%	1.2%

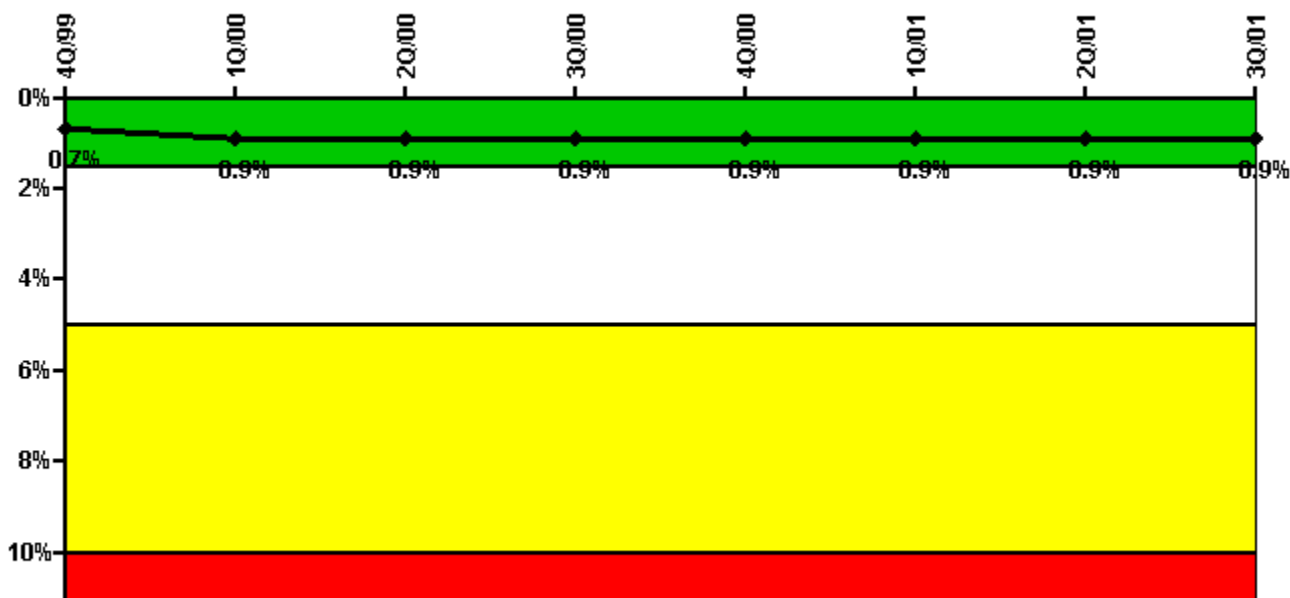
Licensee Comments:

1Q/01: January 2001 hours of planned unavailable hours was changed from 1.47 to 1.40.

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNOG had "removed" 395.5 fault exposure hours in accordance with NEI 99-02, Rev 0 requirements: 1) Four quarters have elapsed since the time of discovery (2/1999), 2) The hours accrued were greater than or equal to 336, 3) Corrective actions associated with the item to preclude recurrence have been completed, and 4) Supplemental inspection activities (50-48/99-17) have been completed and all items closed. Based upon meeting the above requirements, WCNOG removed the hours in May 2000. In accordance with RIS 2001-23, dated December 3, 2001, the hours that were previously removed were "reset" under the new process.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

Notes

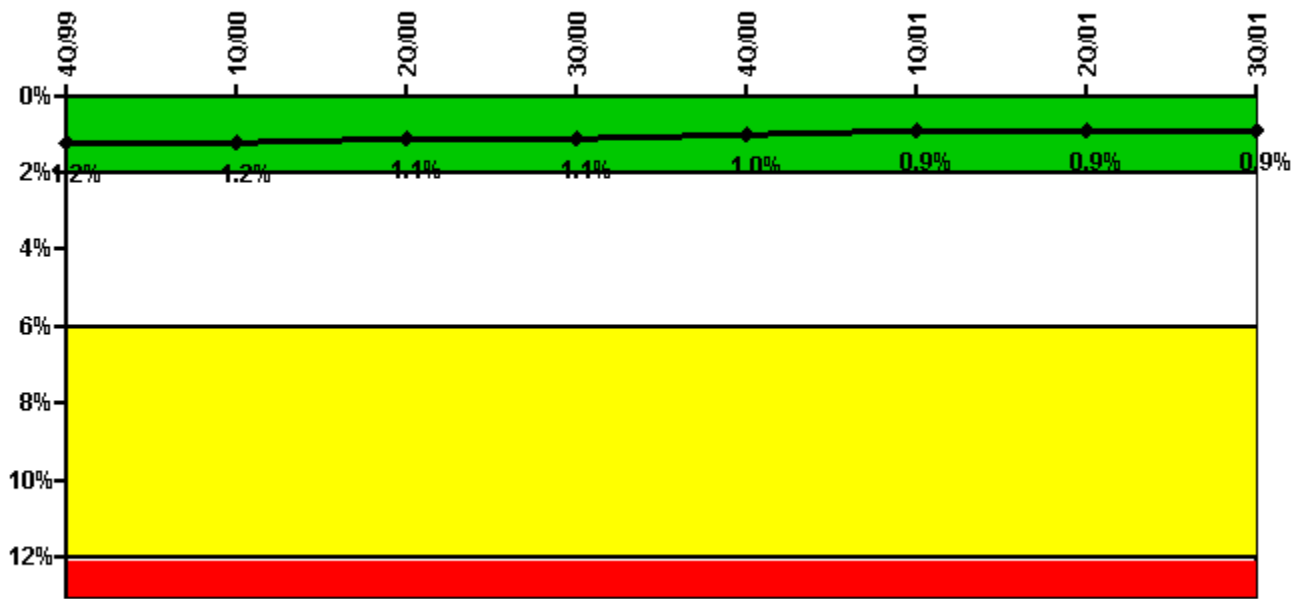
Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	36.27	50.80	33.36	8.78	8.32	8.13	6.73	0.17
Unplanned unavailable hours	44.33	0	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1421.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	40.98	54.10	18.04	16.23	0.74	5.59	19.73	15.80
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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	0.38	61.59	9.34	11.63	8.30	16.45	0.16	7.07
Unplanned unavailable hours	44.33	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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Train 4								
Planned unavailable hours	0.15	50.49	5.90	20.86	0	13.74	0	23.58
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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00

Indicator value	0.7%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
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Licensee Comments:

3Q/01: The hours required for service for the "A" train of Safety Injection (Train 3) was inadvertently entered as zero for the month of July. The train was required for the entire month and therefore the hours required should have been 744 hours. Thus the quarterly data went from 1464 hours to 2208 hours.

Safety System Unavailability, Heat Removal System (AFW)



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

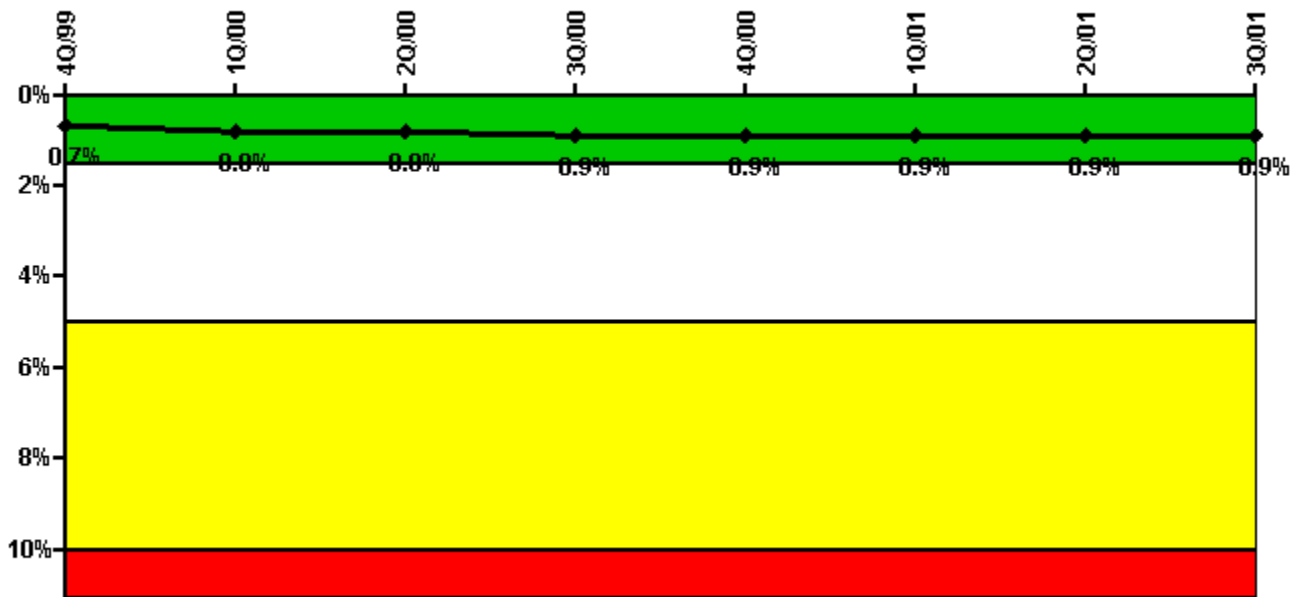
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	22.52	67.52	3.44	15.48	9.25	5.68	0.10	20.65
Unplanned unavailable hours	44.40	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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78	17.66	0	30.61
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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Train 3								
Planned unavailable hours	3.14	14.86	2.51	17.71	2.04	9.03	0.25	11.52

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	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00
Indicator value	1.2%	1.2%	1.1%	1.1%	1.0%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

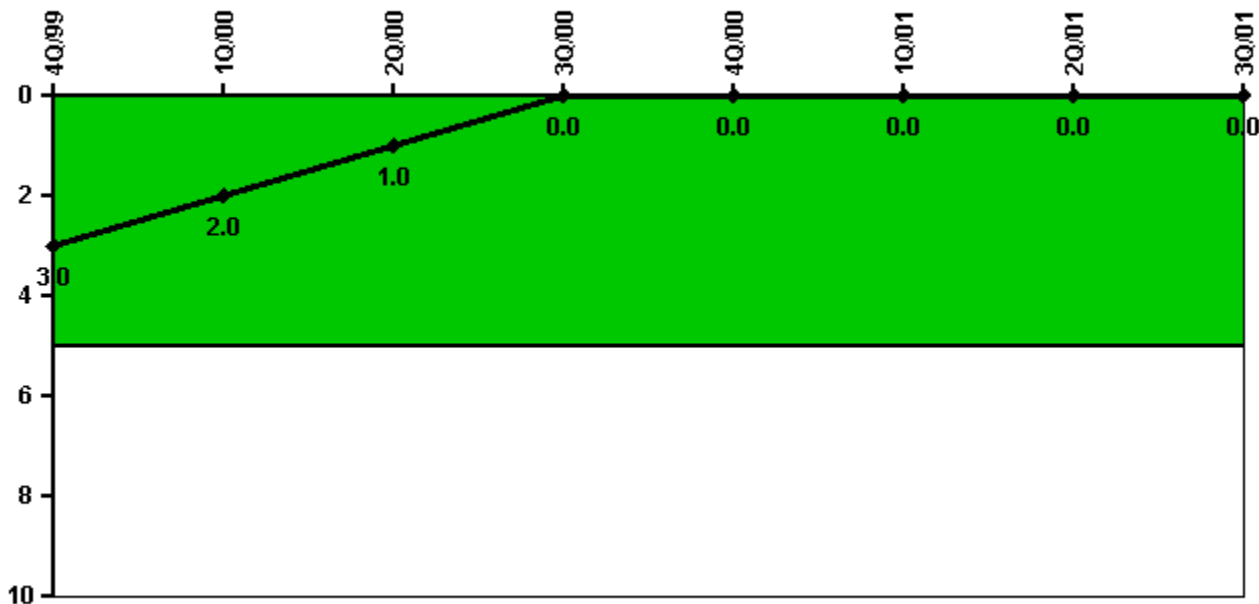
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Train 1								
Planned unavailable hours	21.70	51.43	26.51	11.05	7.97	7.65	10.09	6.84
Unplanned unavailable hours	44.40	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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00
Train 2								
Planned unavailable hours	15.93	32.33	22.23	34.88	0	6.88	10.13	15.58
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	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00

Indicator value	0.7%	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	0.9%
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Licensee Comments: none

Safety System Functional Failures (PWR)



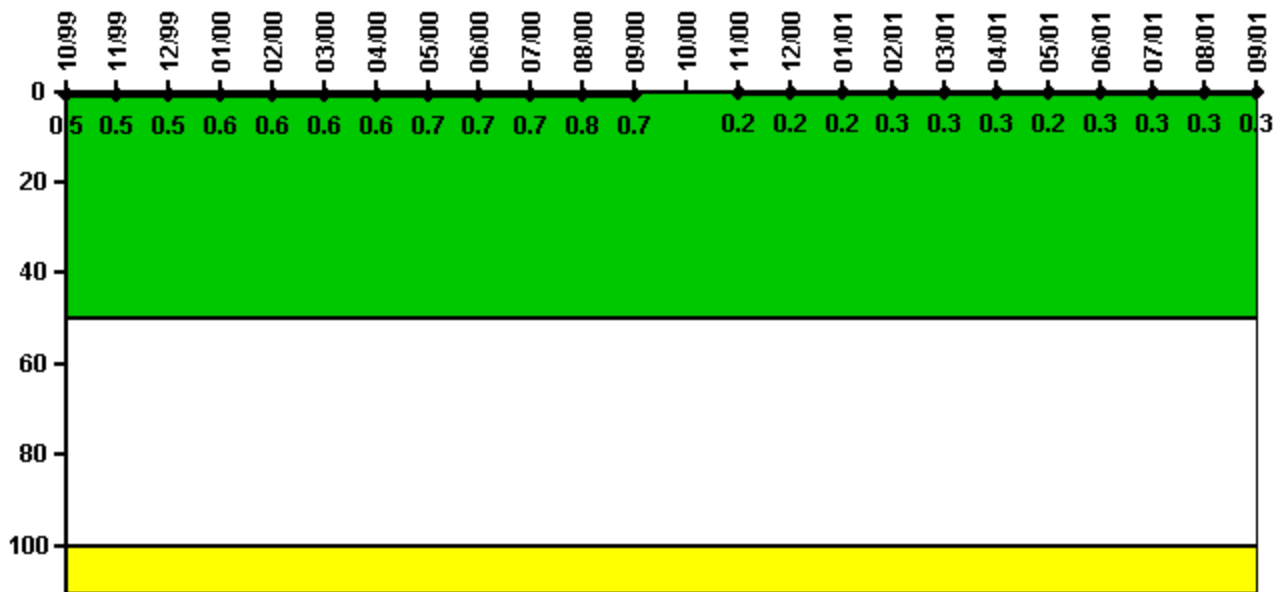
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Safety System Functional Failures	0	0	0	0	0	0	0	0
Indicator value	3	2	1	0	0	0	0	0

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

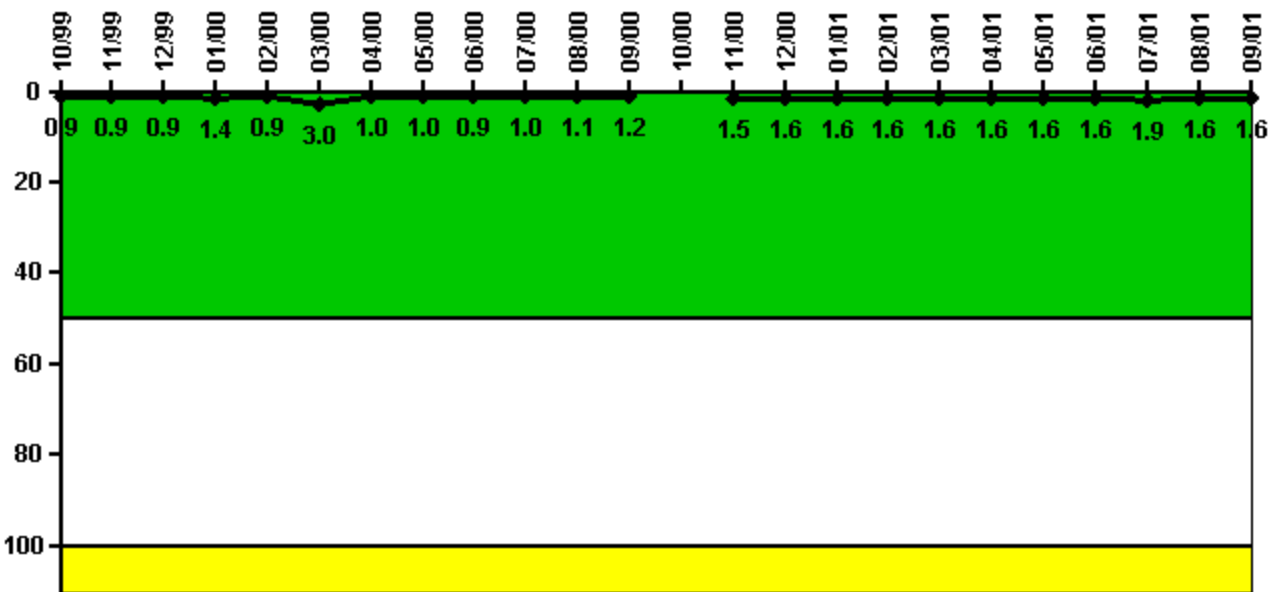
Notes

Reactor Coolant System Activity	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum activity	0.004600	0.005100	0.005100	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000
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	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.7

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum activity	N/A	0.001530	0.001930	0.002240	0.003000	0.003000	0.003000	0.002000	0.003000	0.003000	0.003000	0.003000
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	N/A	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

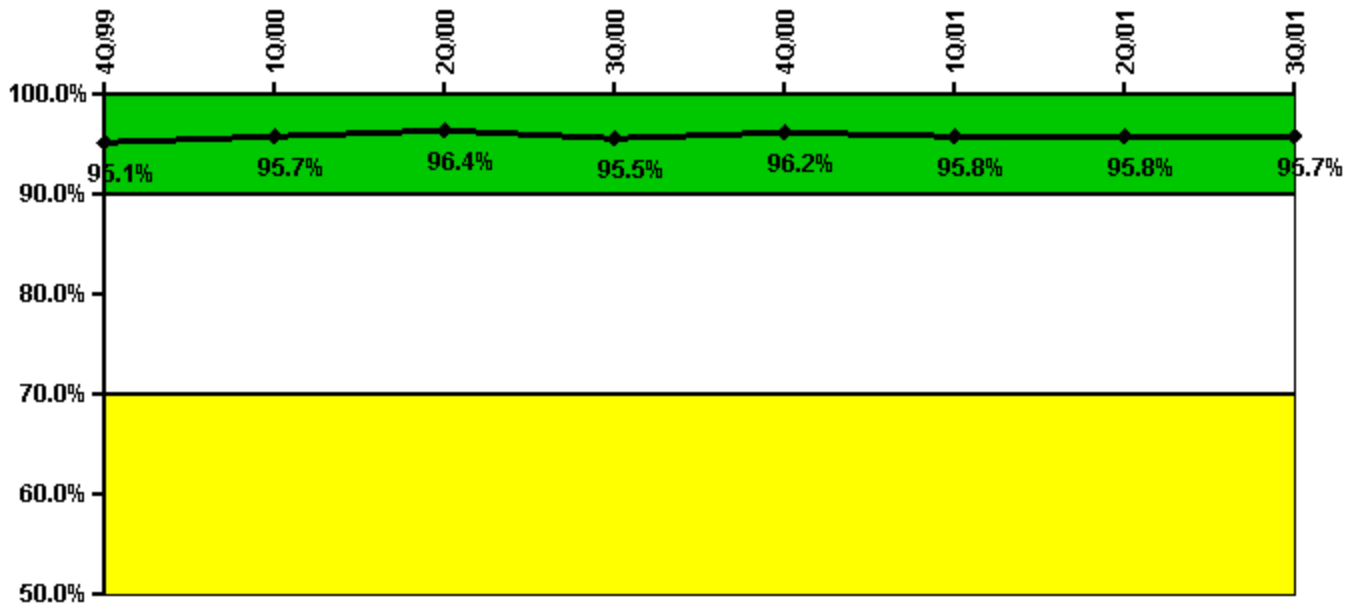
Notes

Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
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	0.9	0.9	0.9	1.4	0.9	3.0	1.0	1.0	0.9	1.0	1.1	1.2

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01
Maximum leakage	N/A	0.155	0.161	0.162	0.162	0.162	0.163	0.160	0.161	0.195	0.163	0.160
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	N/A	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.6	1.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful opportunities	57.0	56.0	39.0	64.0	25.0	56.0	29.0	26.0
Total opportunities	60.0	57.0	40.0	71.0	25.0	59.0	30.0	26.0
Indicator value	95.1%	95.7%	96.4%	95.5%	96.2%	95.8%	95.8%	95.7%

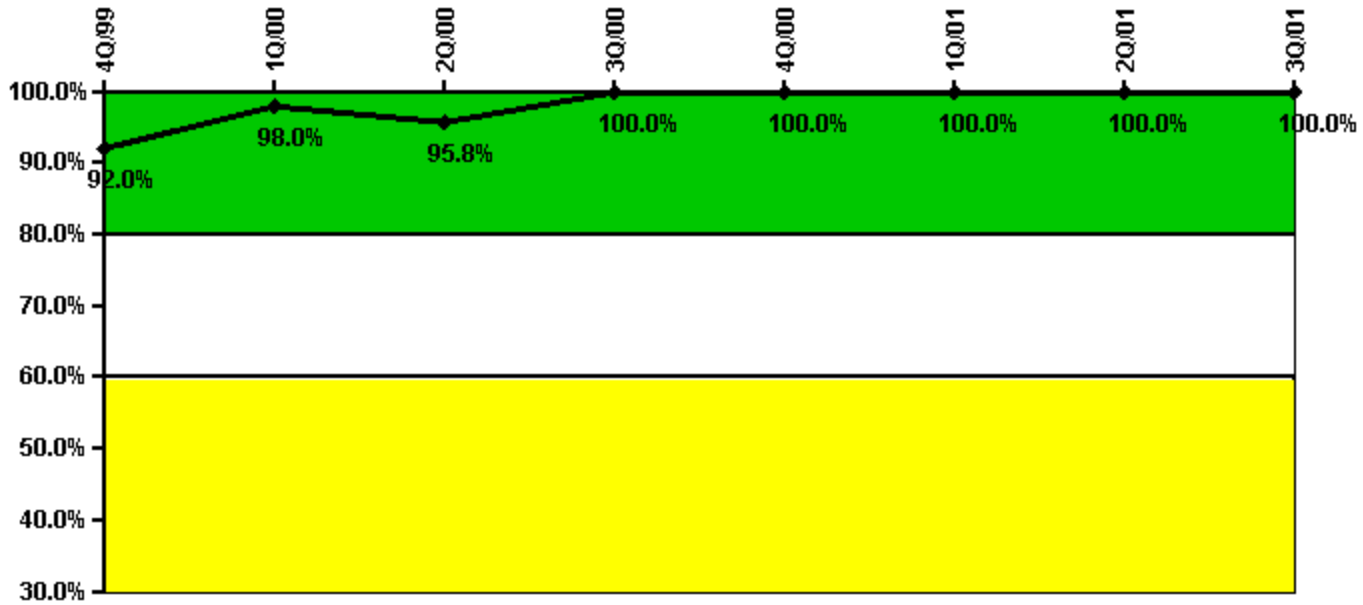
Licensee Comments:

3Q/01: Adding license requal opportunities for September 2001. Quarterly data went from 4 to 26 for both opportunities available and performed successfully.

3Q/01: Classification, protective action recommendation & notification opportunities associated with license exams will not be reported until the exam cycle is completed. Therefore, there were no opportunities reported for August and September 2001.

2Q/01: June 2001: Data was revised to add LO Requal opportunities. Actual event opportunities performed timely and accurately was revised from 13 to 17 and actual event opportunities was revised from 14 to 18.

ERO Drill Participation



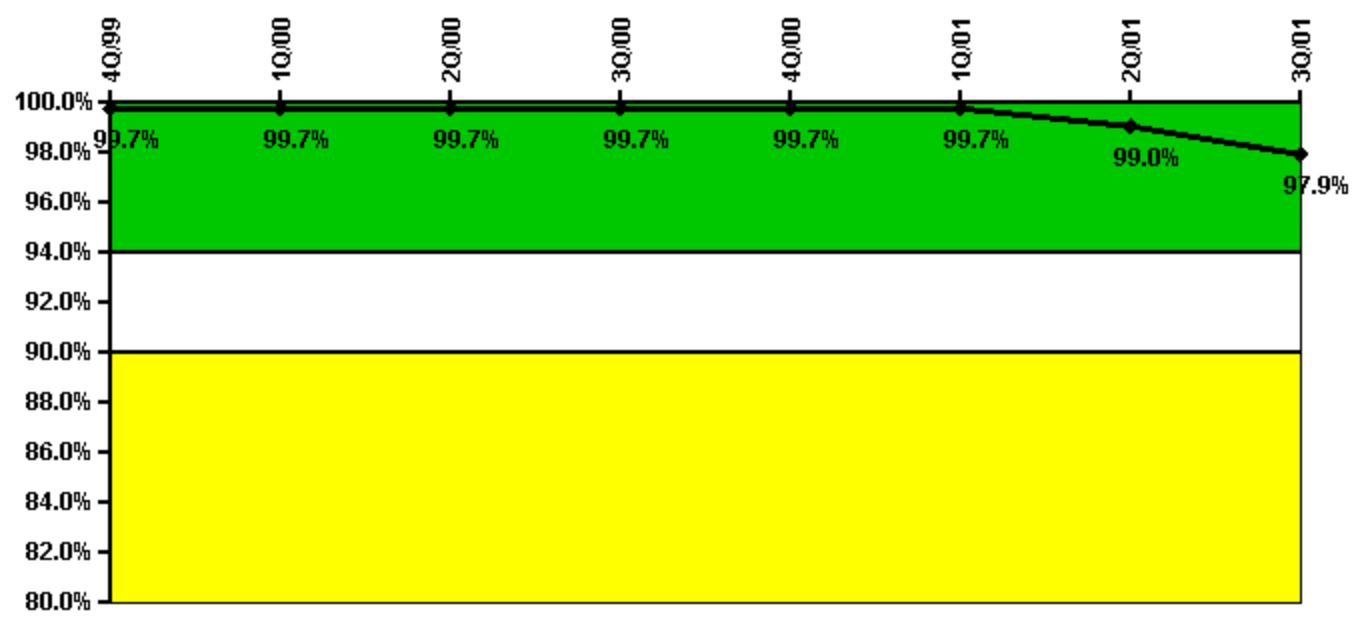
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Participating Key personnel	46.0	48.0	46.0	46.0	46.0	46.0	44.0	43.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0	46.0	44.0	43.0
Indicator value	92.0%	98.0%	95.8%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



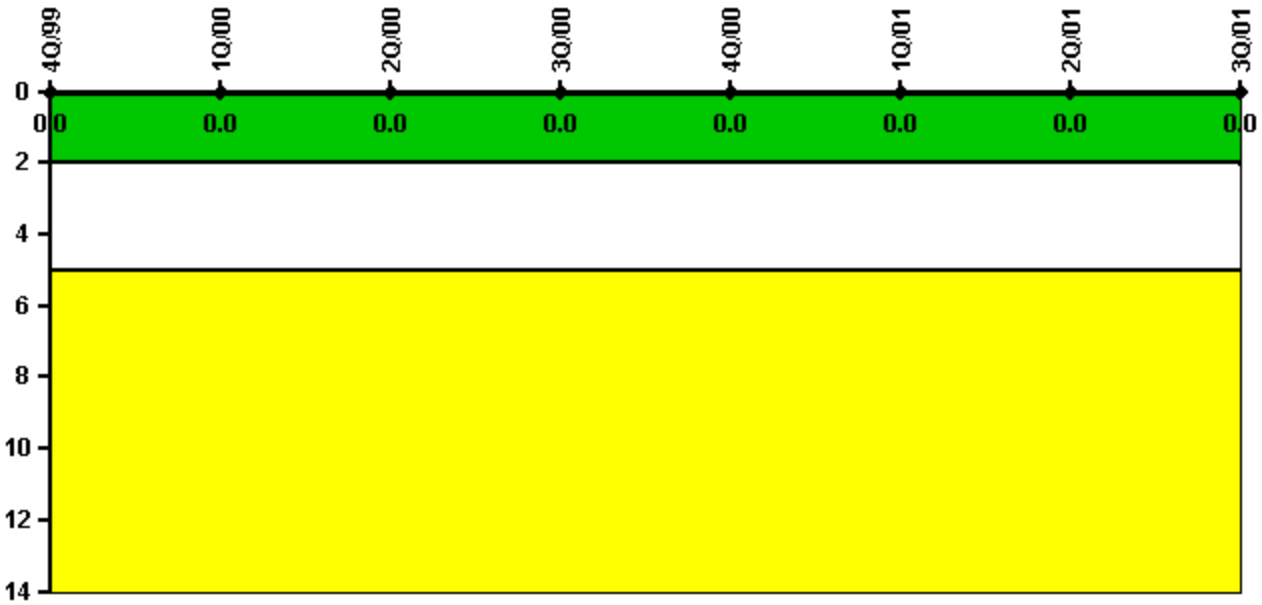
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Successful siren-tests	78	77	76	66	77	66	74	63
Total sirens-tests	78	77	77	66	77	66	77	66
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.0%	97.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



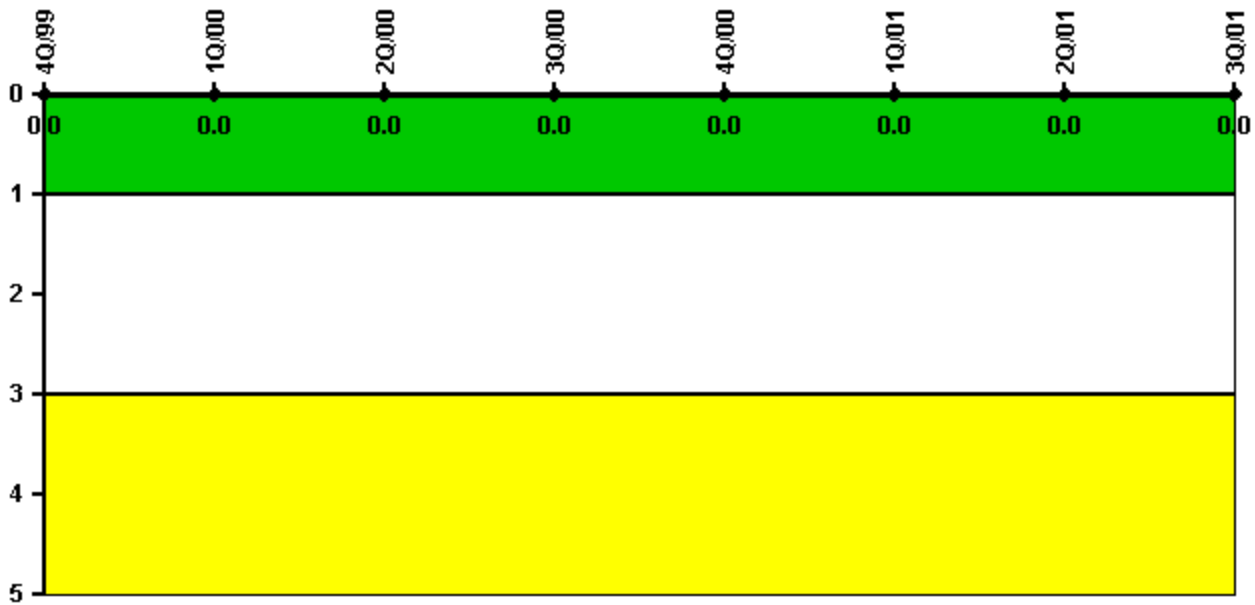
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
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	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



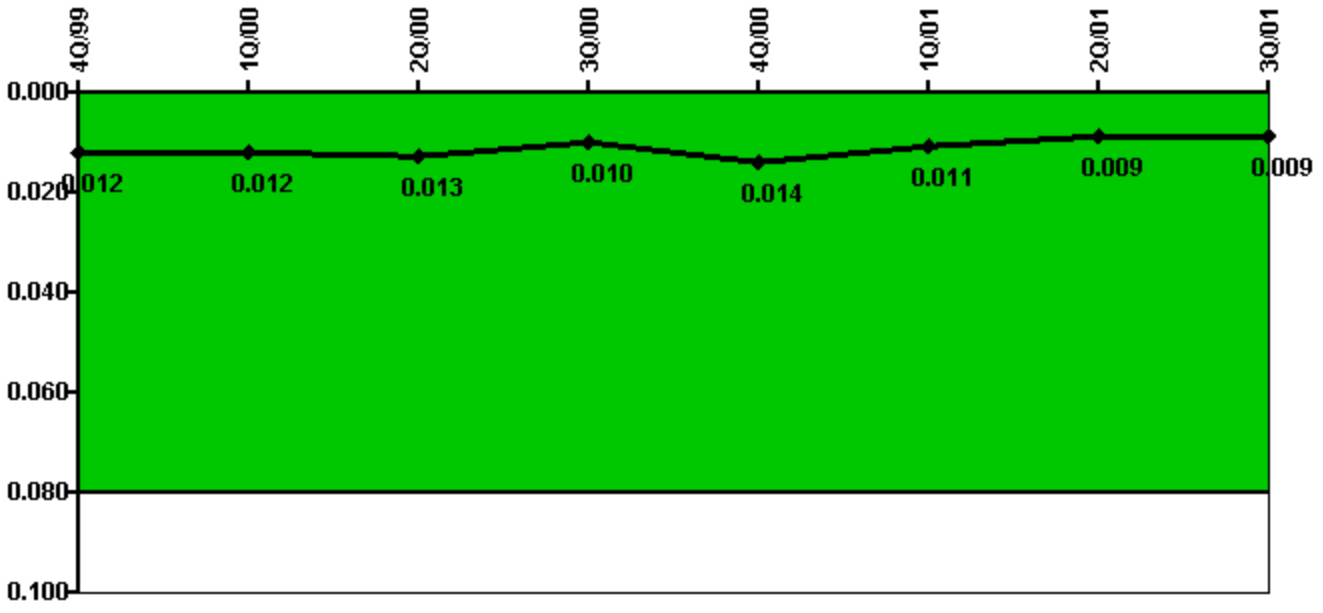
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Protected Area Security Performance Index



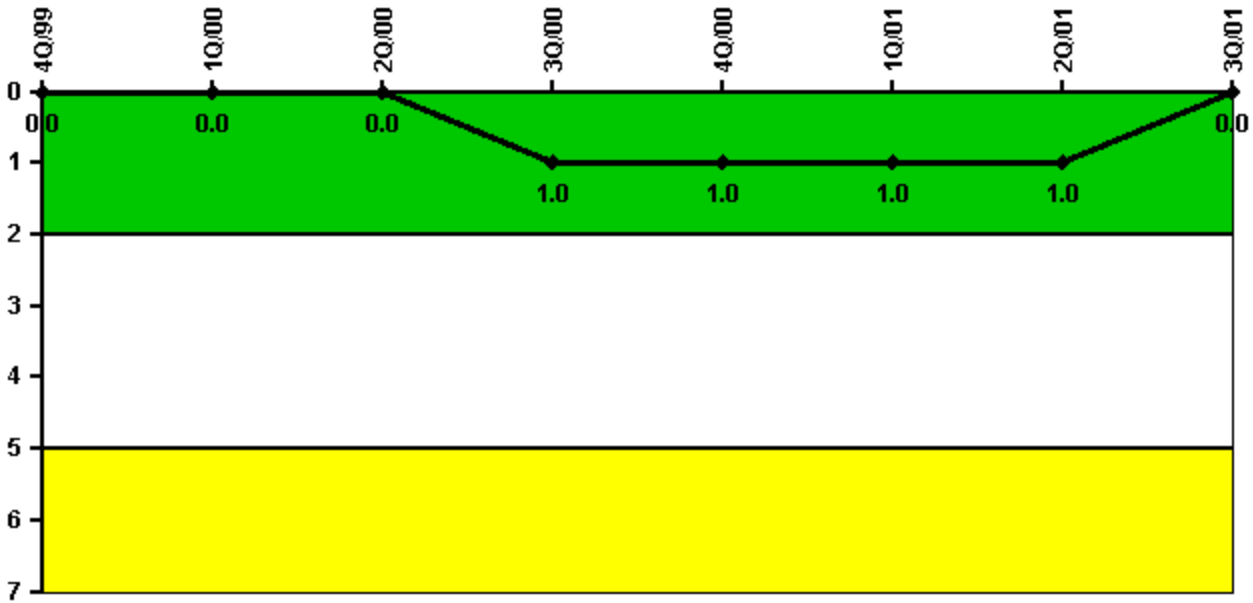
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
IDS compensatory hours	0.60	98.10	28.40	25.50	106.30	14.80	28.10	50.80
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7	2.6	1.1	3.3
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.50	1.55	1.55
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
Index Value	0.012	0.012	0.013	0.010	0.014	0.011	0.009	0.009

Licensee Comments: none

Personnel Screening Program



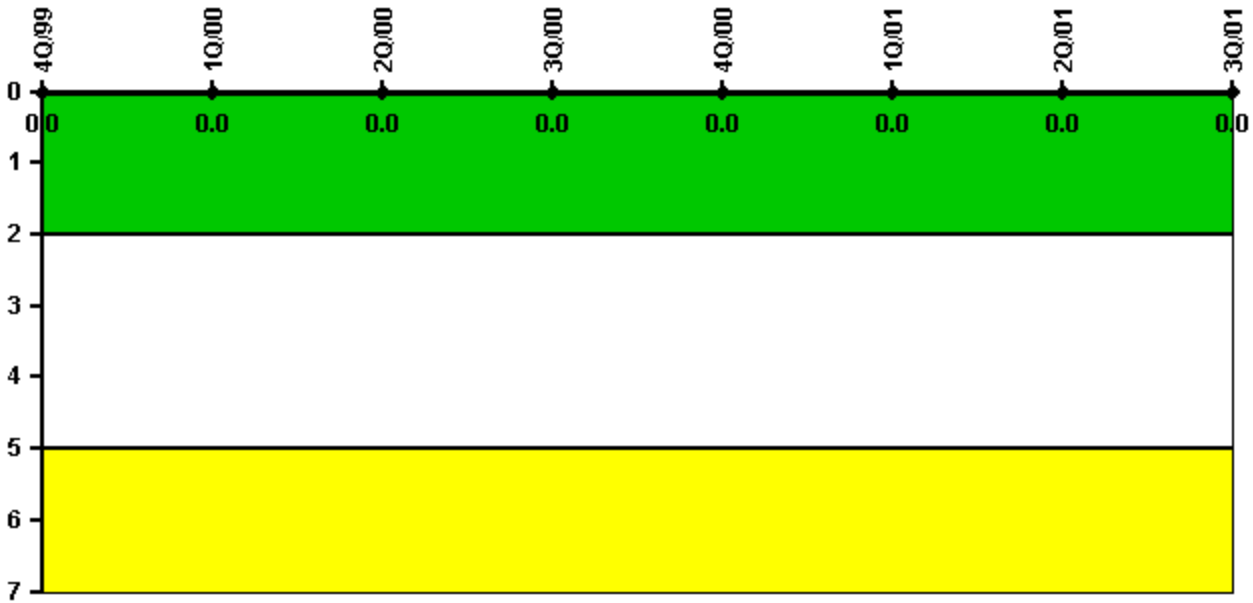
Thresholds: White > 2.0 Yellow > 5.0

Notes

Personnel Screening Program	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program failures	0	0	0	1	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01
Program Failures	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[▲ PI Summary](#) | [Inspection Findings Summary](#) | [Action Matrix Summary](#) | [Reactor Oversight Process](#)

Last Modified: March 26, 2002