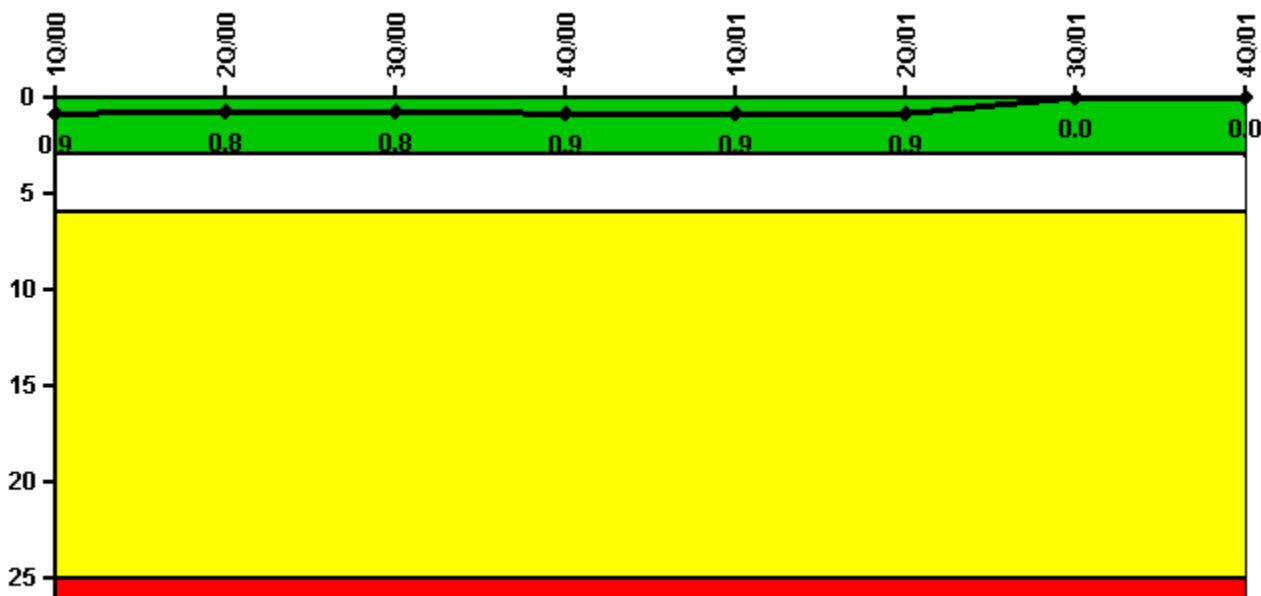


Wolf Creek 1

4Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



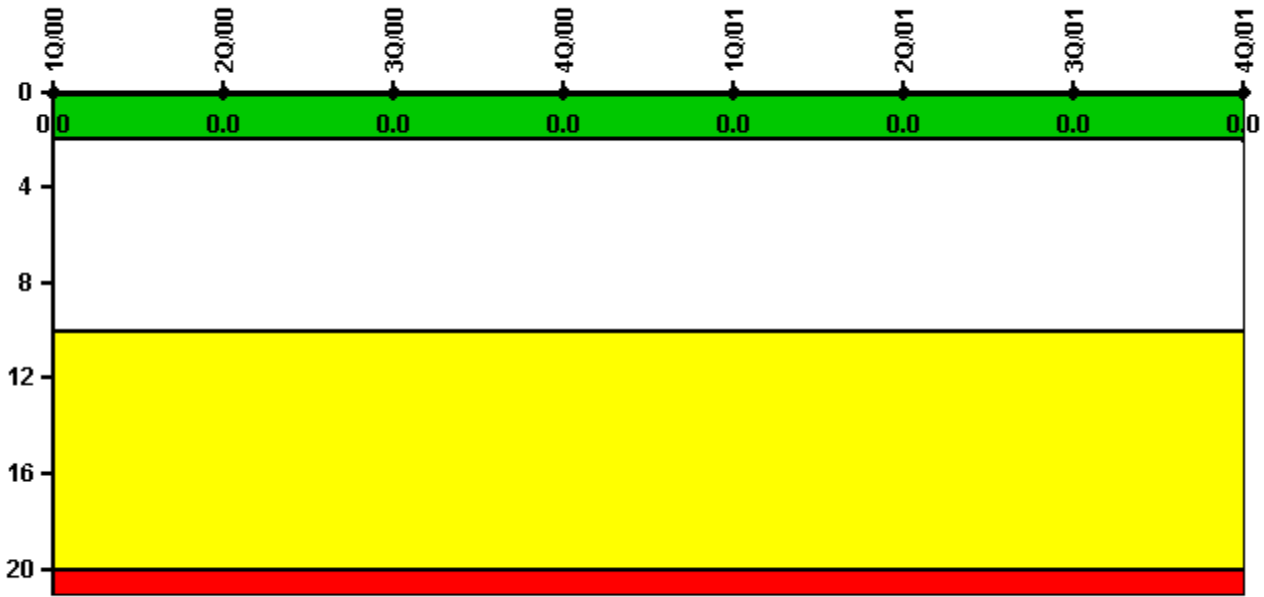
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

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

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



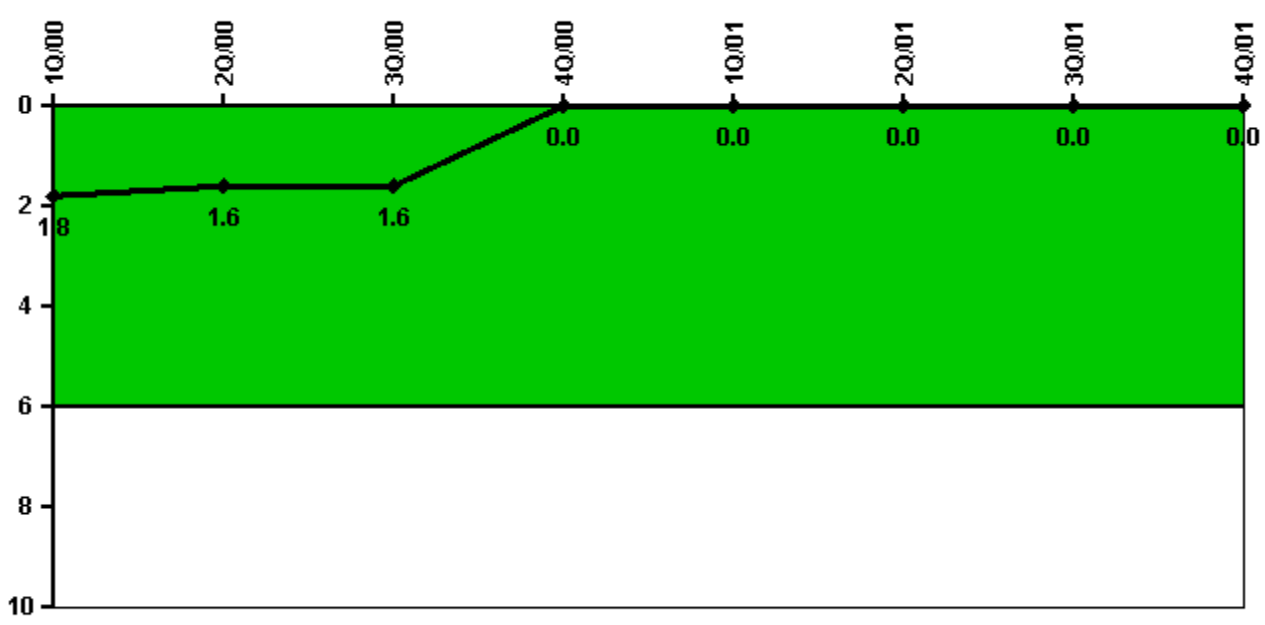
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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



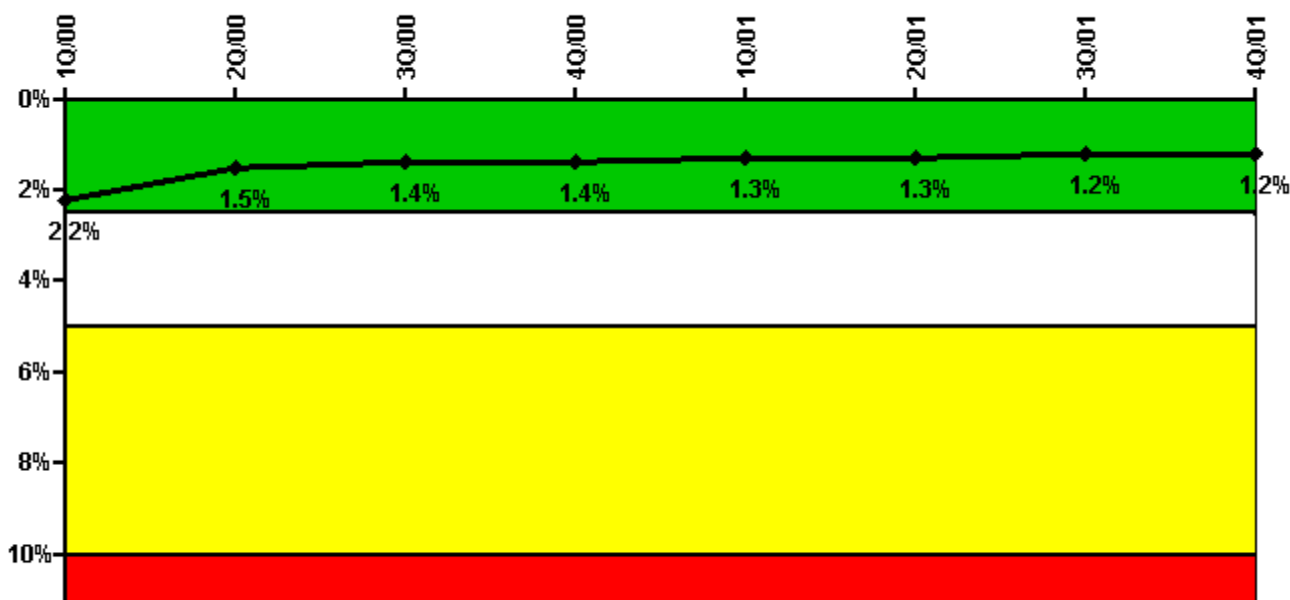
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	0	0	0	0	0	0	0	0
Critical hours	2184.0	2183.0	2151.7	1340.7	2160.0	2183.0	2208.0	2209.0
Indicator value	1.8	1.6	1.6	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

Notes

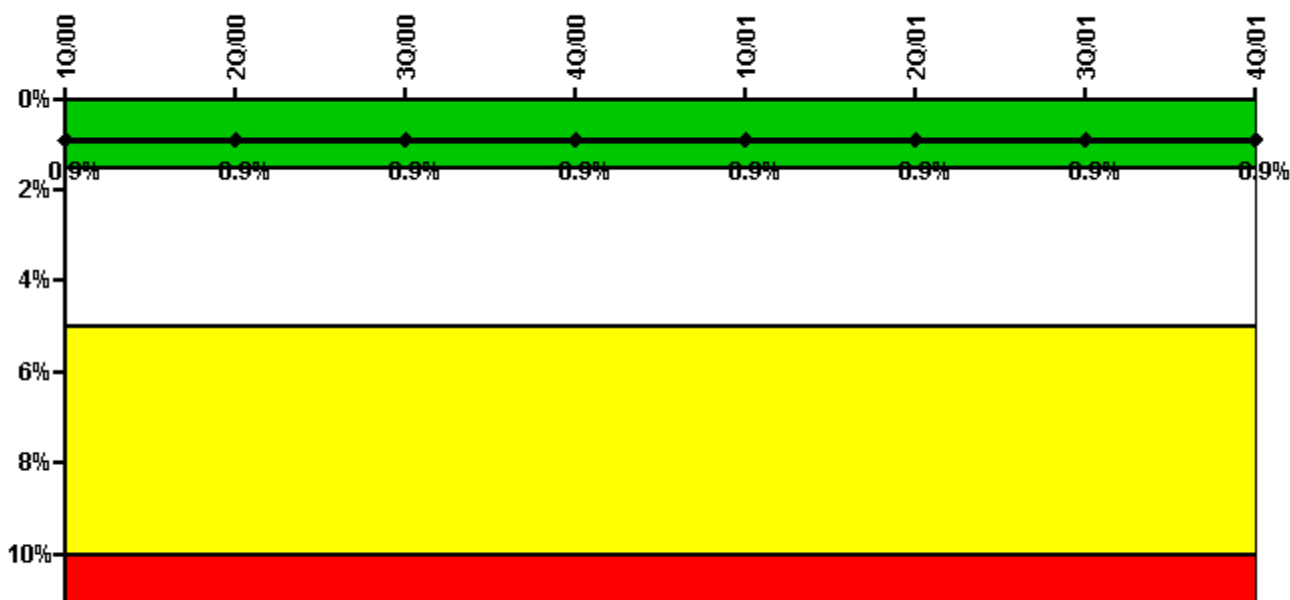
Safety System Unavailability, Emergency AC Power	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	54.64	33.88	2.60	15.72	2.72	31.00	0.70	42.84
Unplanned unavailable hours	10.90	4.78	0	0	0	14.08	0	0
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	395.50	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	38.68	3.64	19.17	0.95	9.27	0.98	18.10	16.03
Unplanned unavailable hours	0	20.57	0	7.43	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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	2.2%	1.5%	1.4%	1.4%	1.3%	1.3%	1.2%	1.2%

Licensee Comments: none

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%

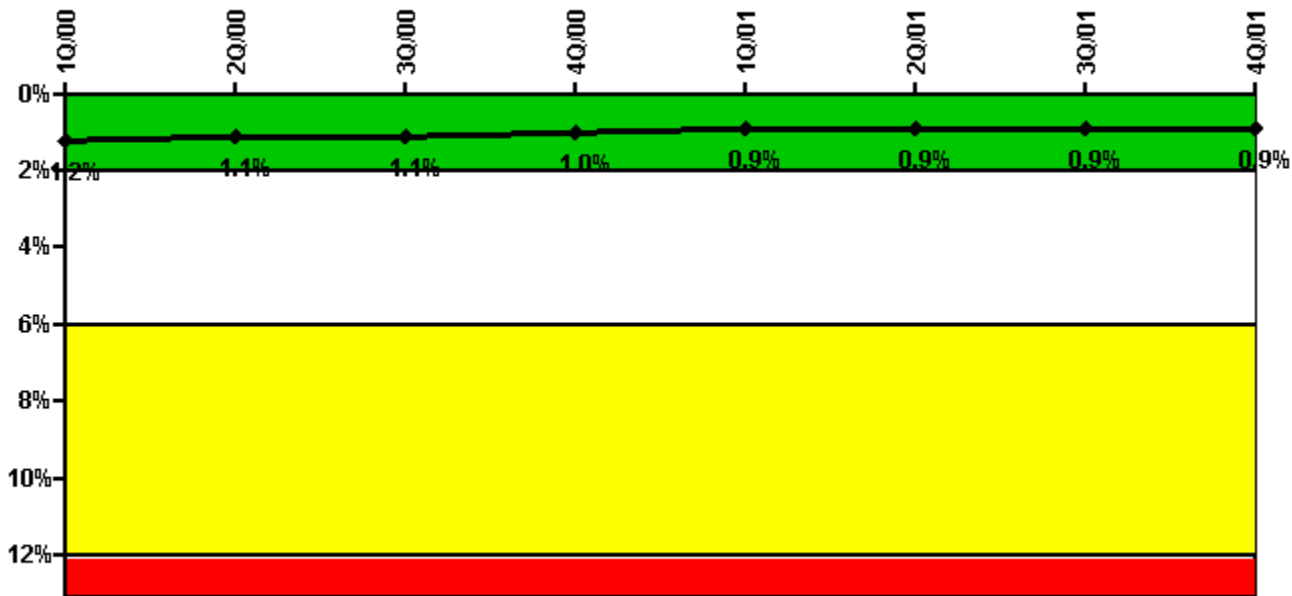
Notes

Safety System Unavailability, High Pressure Injection System (HPSI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	50.80	33.36	8.78	8.32	8.13	6.73	0.17	40.81
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	2184.00	2183.00	2208.00	1421.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	54.10	18.04	16.23	0.74	5.59	19.73	15.80	6.55
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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	61.59	9.34	11.63	8.30	16.45	0.16	7.07	30.73
Unplanned unavailable hours	0	0	0	0	0	0	0	4.00
Fault exposure hours	0	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Train 4								
Planned unavailable hours	50.49	5.90	20.86	0	13.74	0	23.58	0.70
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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%

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)



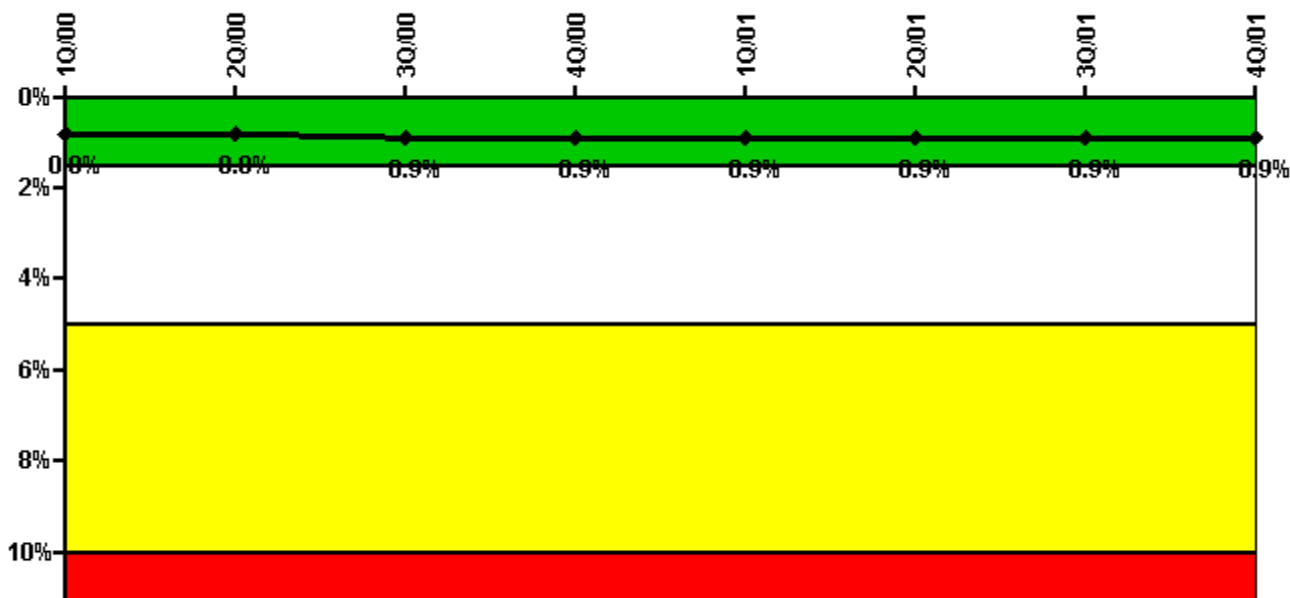
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

Notes

Safety System Unavailability, Heat Removal System (AFW)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	67.52	3.44	15.48	9.25	5.68	0.10	20.65	31.80
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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	45.22	1.93	18.51	1.78	17.66	0	30.61	2.45
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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Train 3								
Planned unavailable hours	14.86	2.51	17.71	2.04	9.03	0.25	11.52	1.31
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	2184.00	2183.00	2208.00	1385.00	2160.00	2183.00	2208.00	2209.00
Indicator value	1.2%	1.1%	1.1%	1.0%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



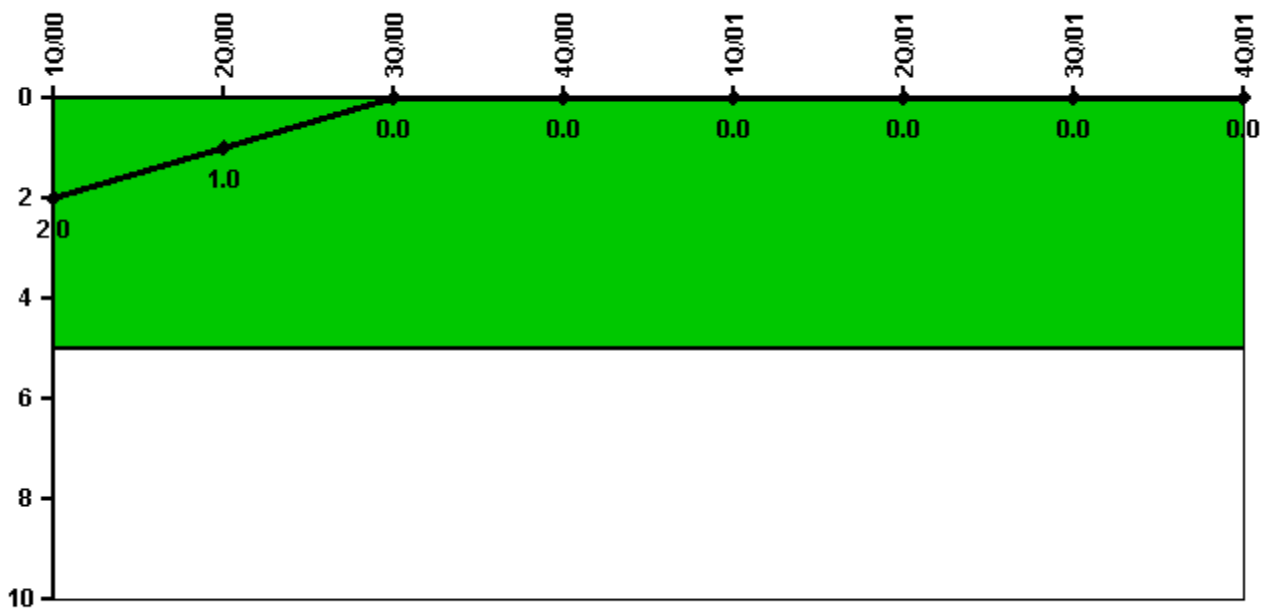
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

Notes

Safety System Unavailability, Residual Heat Removal System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	51.43	26.51	11.05	7.97	7.65	10.09	6.84	35.81
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Train 2								
Planned unavailable hours	32.33	22.23	34.88	0	6.88	10.13	15.58	6.15
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	2184.00	2183.00	2208.00	2209.00	2160.00	2183.00	2208.00	2209.00
Indicator value	0.8%	0.8%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%

Licensee Comments: none

Safety System Functional Failures (PWR)



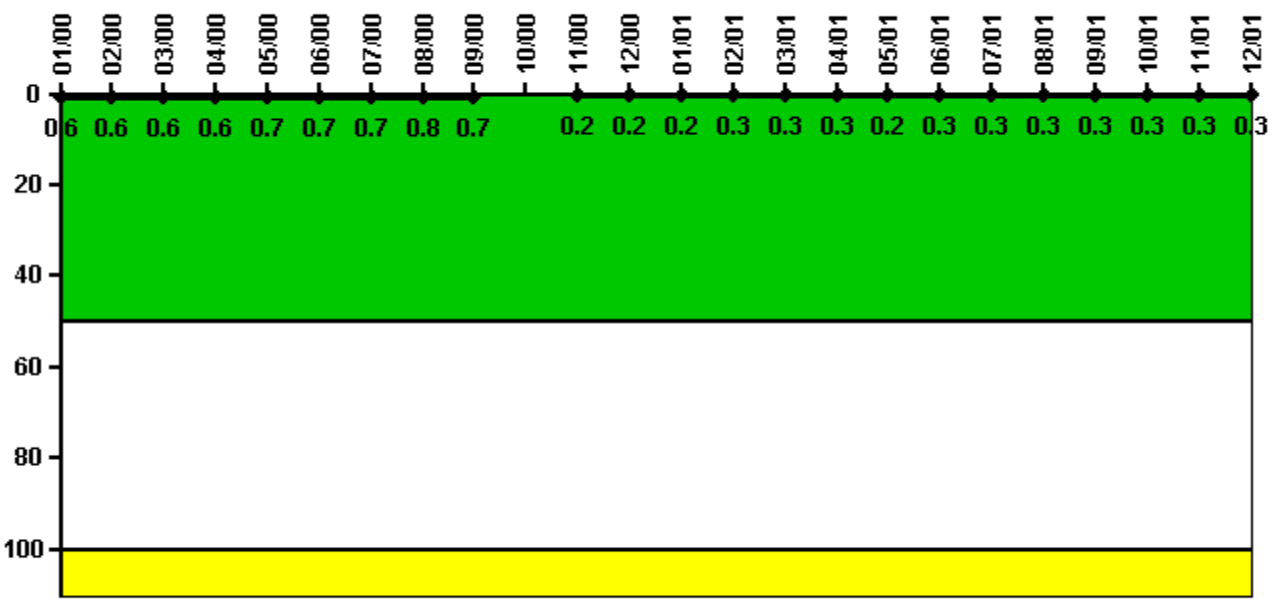
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

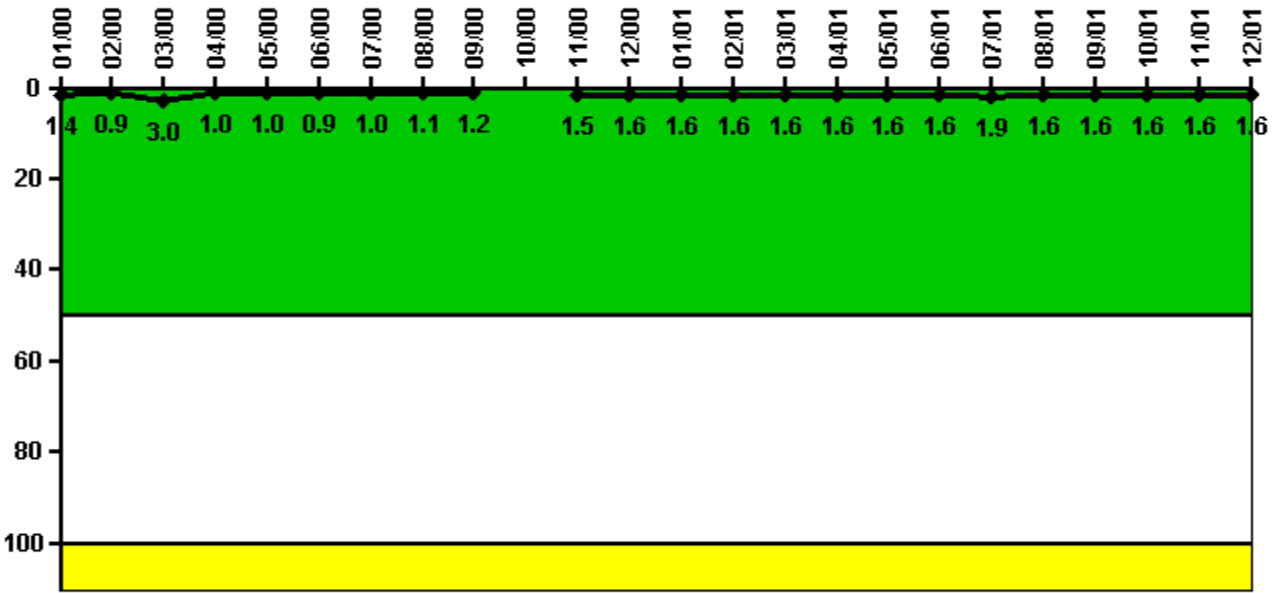
Notes

Reactor Coolant System Activity	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum activity	0.005600	0.005800	0.006300	0.005900	0.007000	0.006600	0.007080	0.007590	0.007000	N/A	0.001530	0.001930
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	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.7	N/A	0.2	0.2

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

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

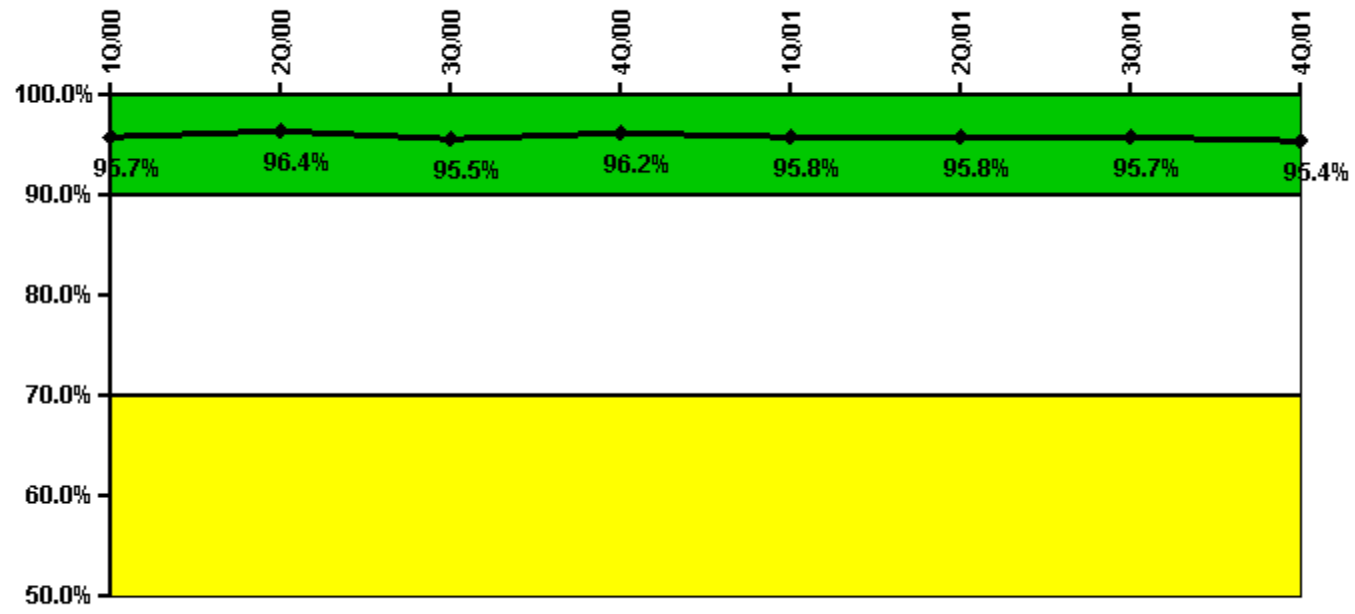
Notes

Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124	N/A	0.155	0.161
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	0.9	3.0	1.0	1.0	0.9	1.0	1.1	1.2	N/A	1.5	1.6

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

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

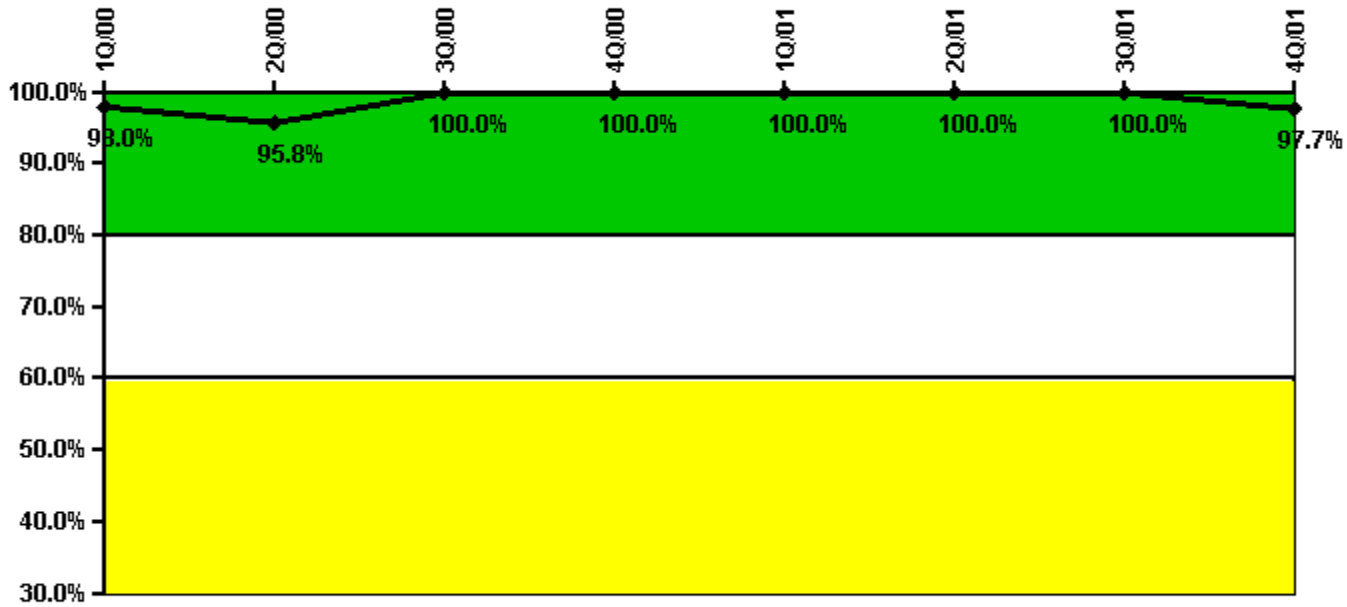
Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	56.0	39.0	64.0	25.0	56.0	29.0	26.0	59.0
Total opportunities	57.0	40.0	71.0	25.0	59.0	30.0	26.0	63.0
Indicator value	95.7%	96.4%	95.5%	96.2%	95.8%	95.8%	95.7%	95.4%

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.

ERO Drill Participation



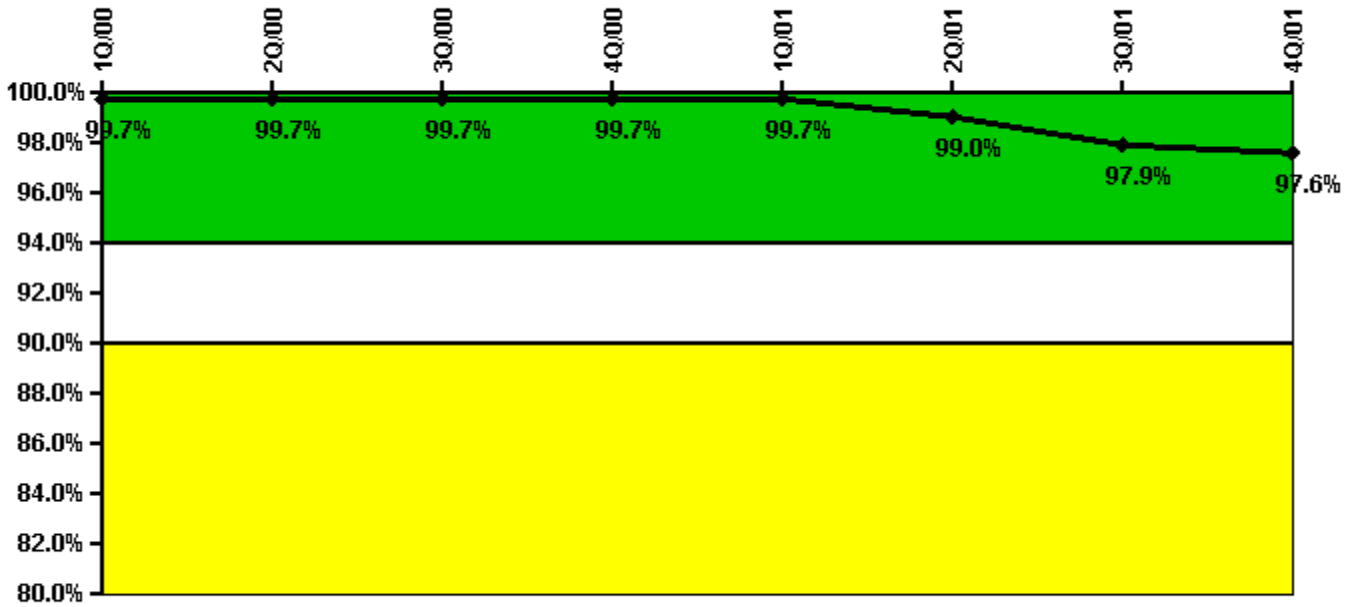
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	48.0	46.0	46.0	46.0	46.0	44.0	43.0	42.0
Total Key personnel	49.0	48.0	46.0	46.0	46.0	44.0	43.0	43.0
Indicator value	98.0%	95.8%	100.0%	100.0%	100.0%	100.0%	100.0%	97.7%

Licensee Comments: none

Alert & Notification System



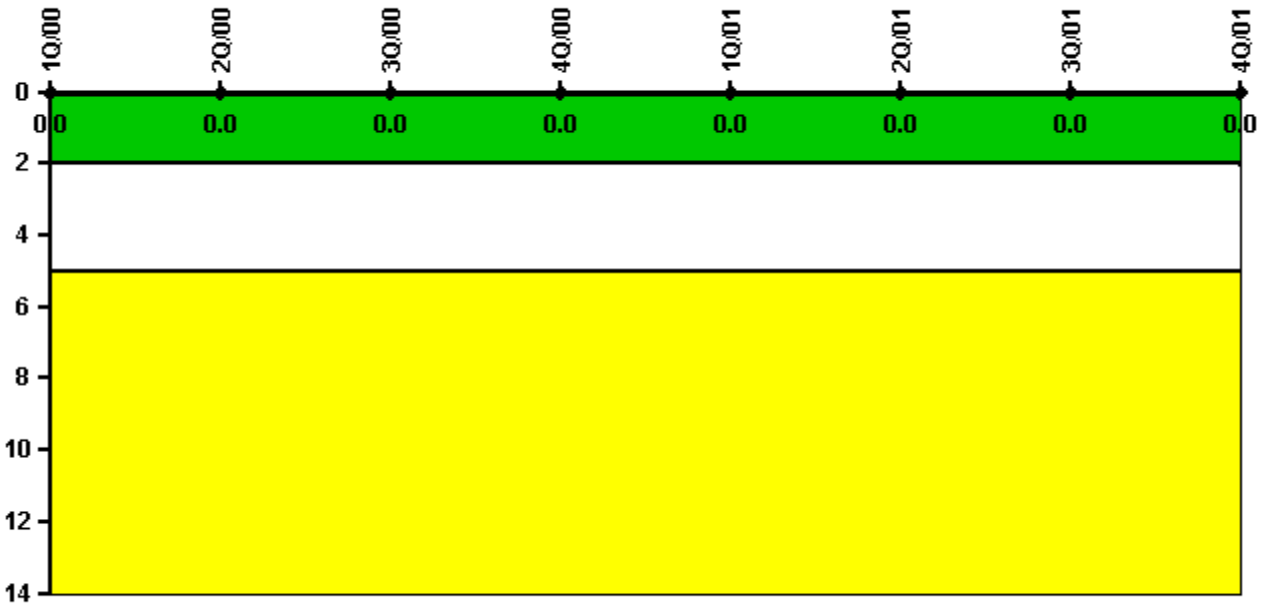
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	77	76	66	77	66	74	63	76
Total sirens-tests	77	77	66	77	66	77	66	77
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.0%	97.9%	97.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

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



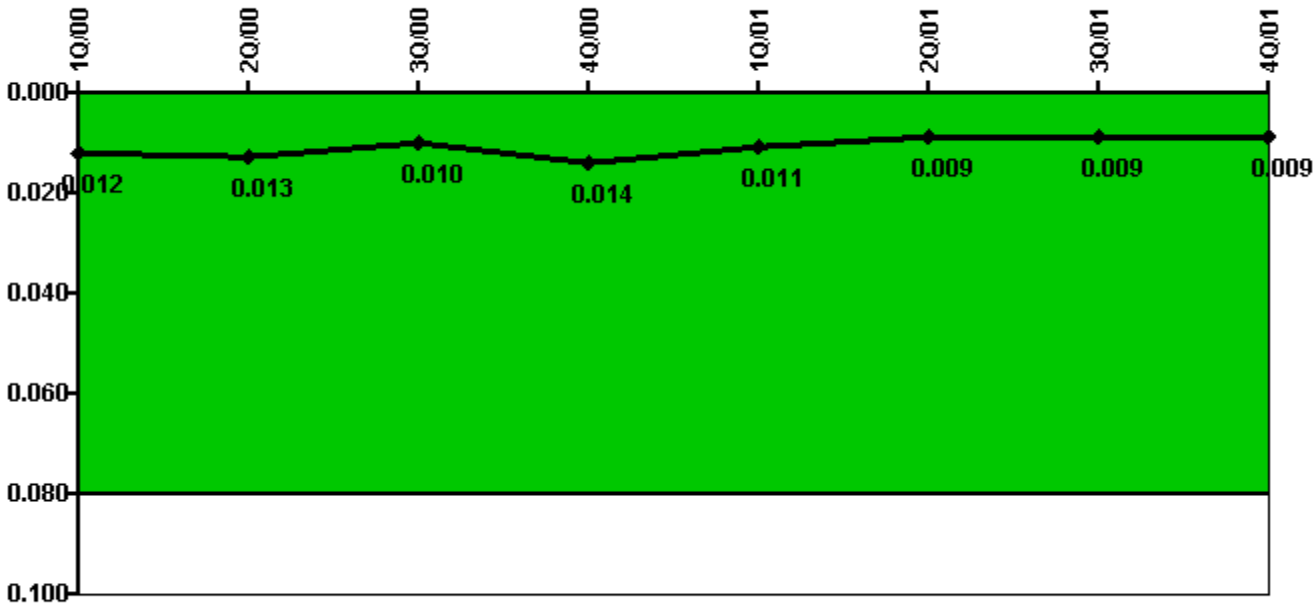
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/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



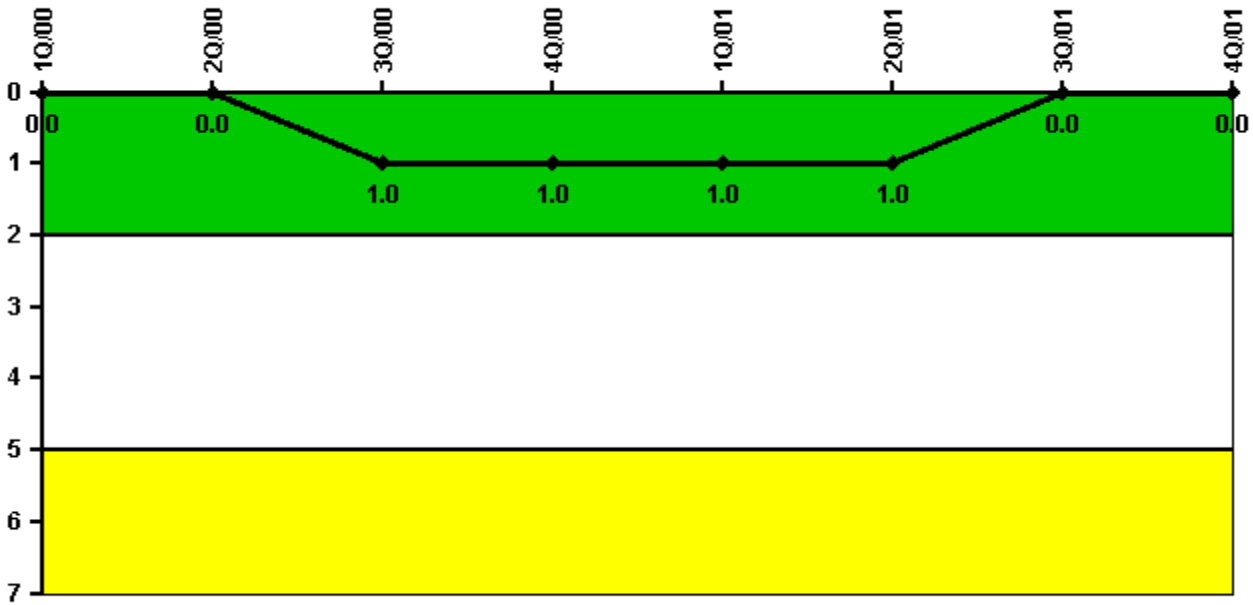
Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
IDS compensatory hours	98.10	28.40	25.50	106.30	14.80	28.10	50.80	133.00
CCTV compensatory hours	3.4	35.8	36.0	26.7	2.6	1.1	3.3	2.8
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.55	1.55	1.55
CCTV normalization factor	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
Index Value	0.012	0.013	0.010	0.014	0.011	0.009	0.009	0.009

Licensee Comments: none

Personnel Screening Program



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

FFD/Personnel Reliability	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/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 15, 2002