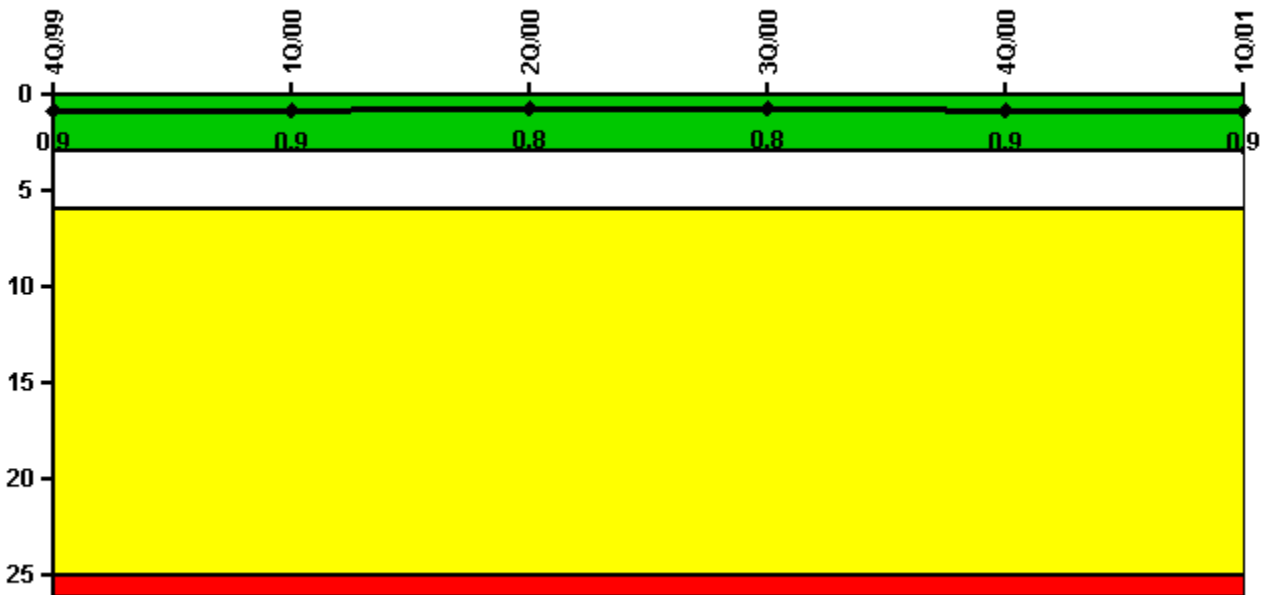


Wolf Creek 1

1Q/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
Unplanned scrams	0	0	0	1.0	0	0
Critical hours	2209.0	2184.0	2183.0	2151.7	1340.7	2160.0
Indicator value	0.9	0.9	0.8	0.8	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



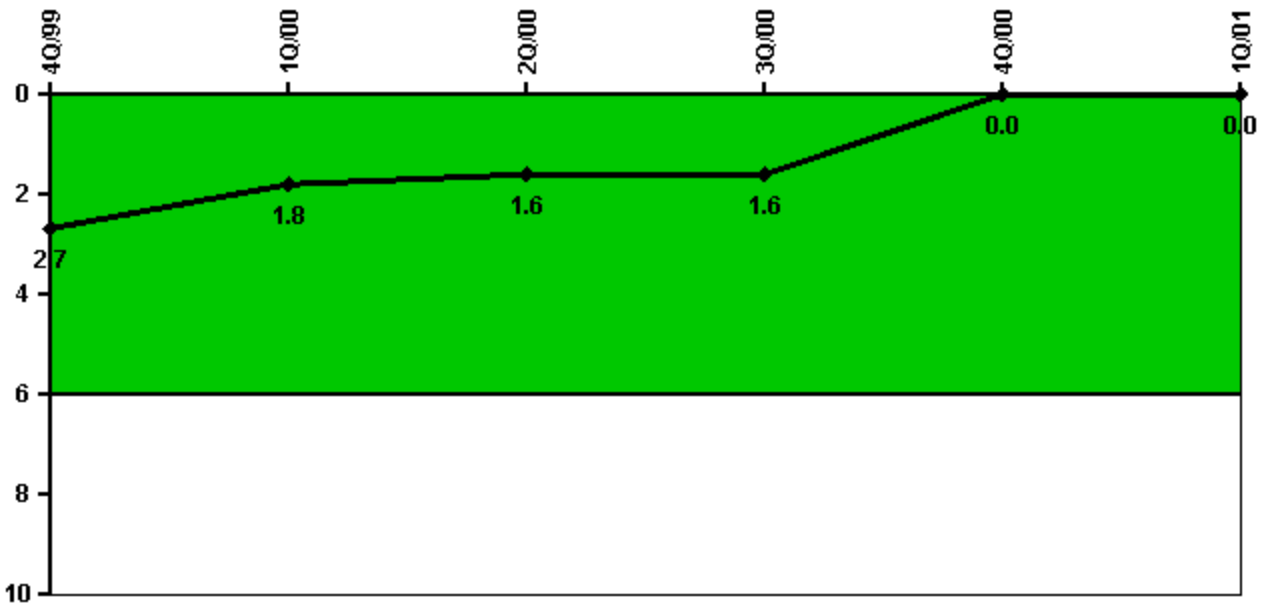
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



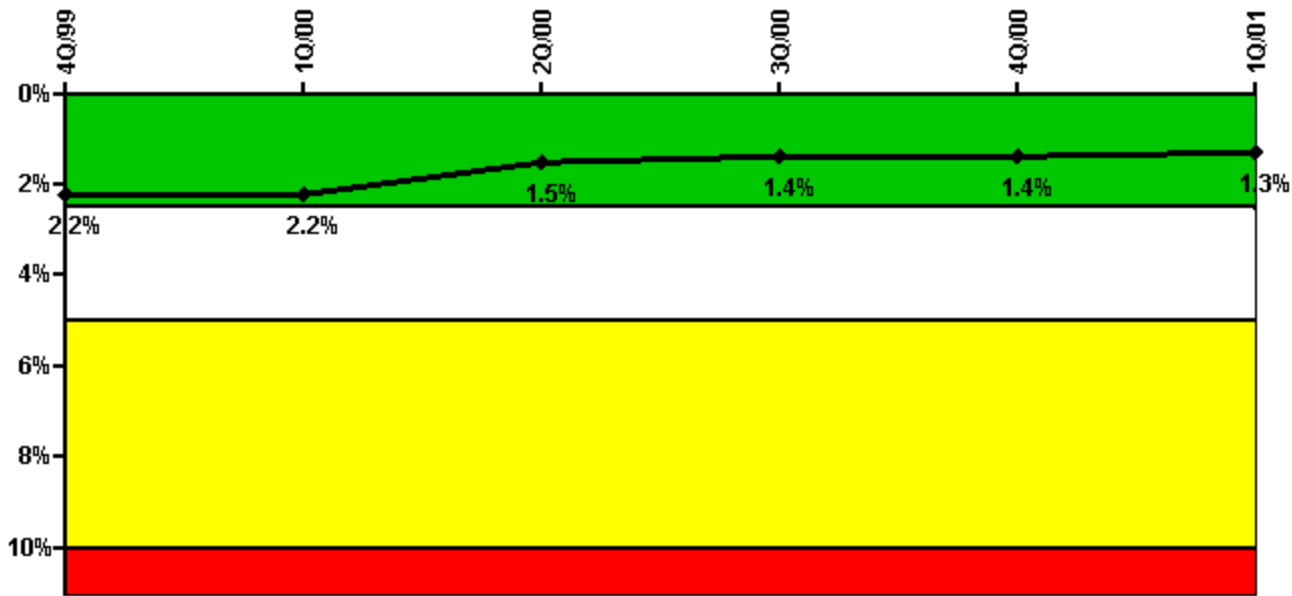
Thresholds: White > 6.0

Notes

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

Licensee Comments:

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

4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability. 7/2001 change to October 2000 hours train required for service: added 1 hour due to daylight savings time (744 to 745).

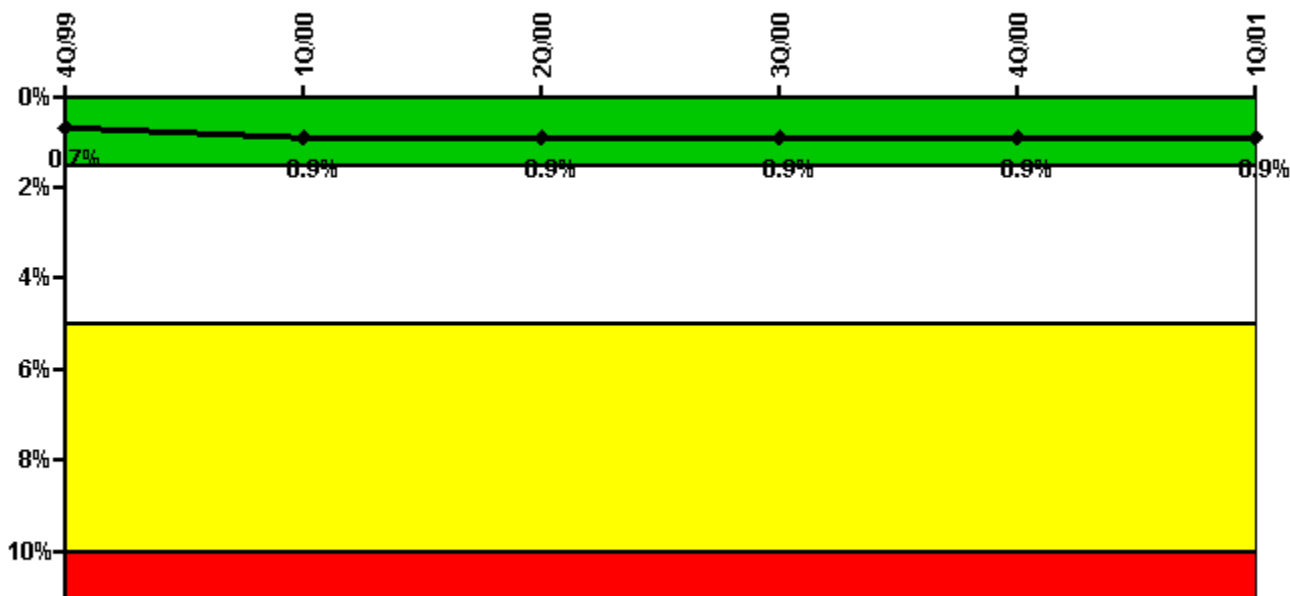
4Q/00: Change: A train EDG changed from 14.95 hours of unavailability to 15.15 hours of unavailability.

Effective Reset Comments:

2Q/00: First Quarter 1999: WCNO 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, WCNO 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

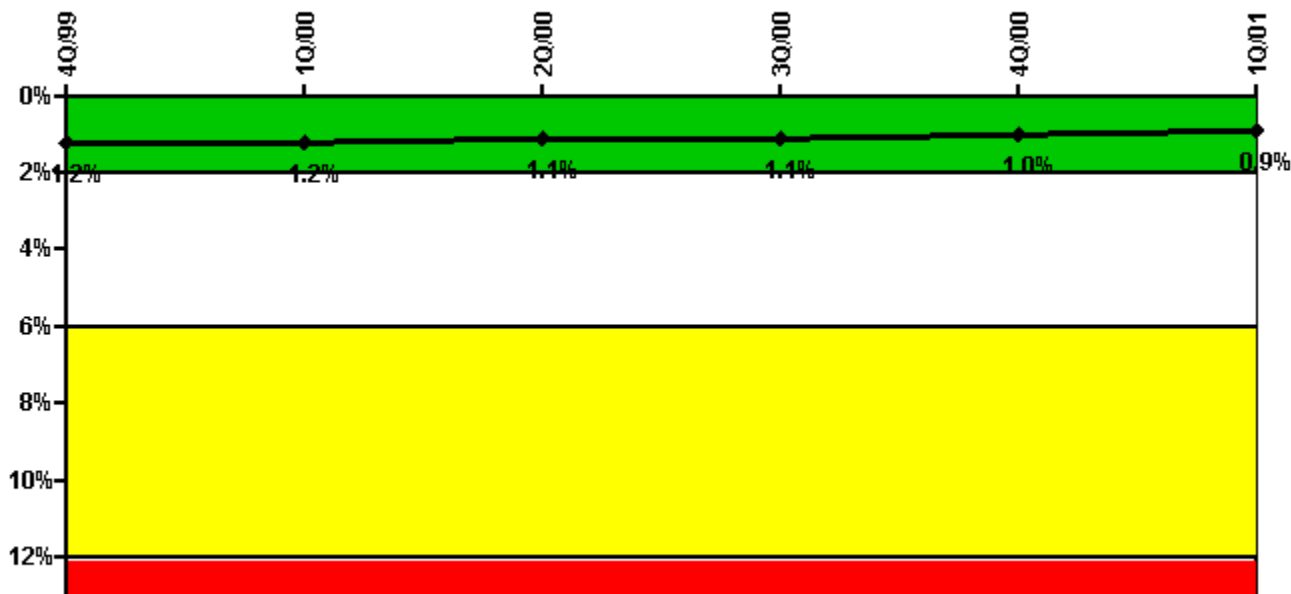
Safety System Unavailability, High Pressure Injection System (HPSI)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	36.27	50.80	33.36	8.78	8.32	8.13
Unplanned unavailable hours	44.33	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours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

Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00
Indicator value	0.7%	0.9%	0.9%	0.9%	0.9%	0.9%

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that trains 2 (15.37 hours to .17) and 4 (15.57 hours to .37) were available.

Safety System Unavailability, Heat Removal System (AFW)



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

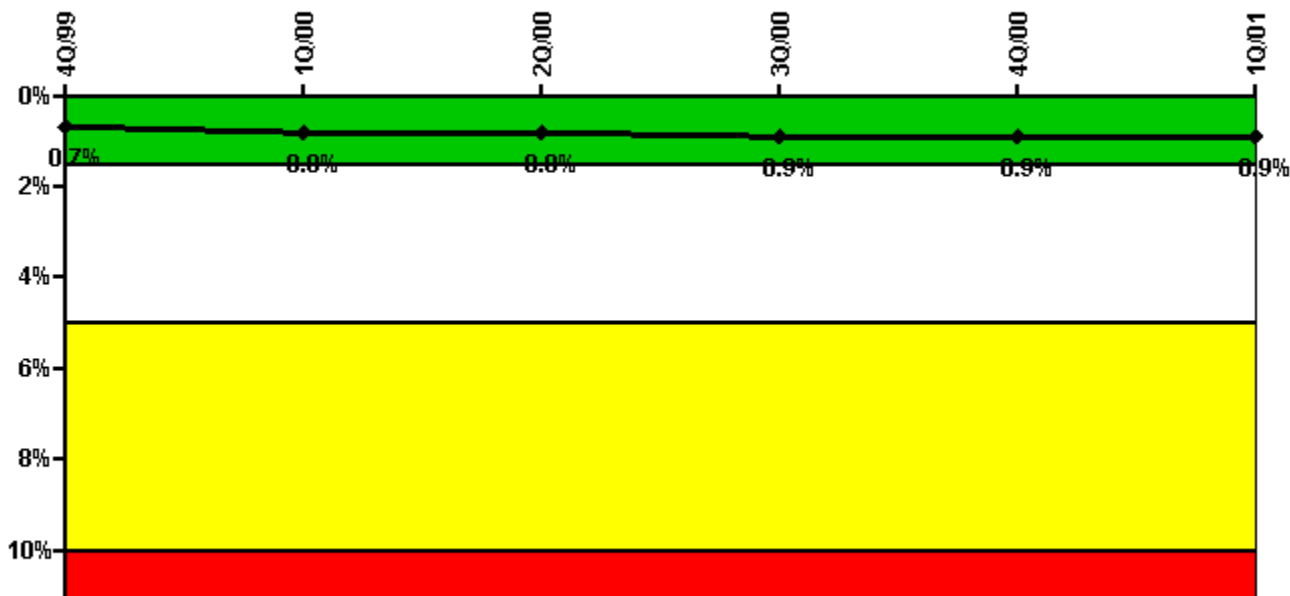
Notes

Safety System Unavailability, Heat Removal System (AFW)	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	22.52	67.52	3.44	15.48	9.25	5.68
Unplanned unavailable hours	44.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00
Train 2						
Planned unavailable hours	16.40	45.22	1.93	18.51	1.78	17.66
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00
Train 3						

Planned unavailable hours	3.14	14.86	2.51	17.71	2.04	9.03
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	1385.00	2160.00
Indicator value	1.2%	1.2%	1.1%	1.1%	1.0%	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
Train 1						
Planned unavailable hours	21.70	51.43	26.51	11.05	7.97	7.65
Unplanned unavailable hours	44.40	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00
Train 2						
Planned unavailable hours	15.93	32.33	22.23	34.88	0	6.88
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2209.00	2160.00

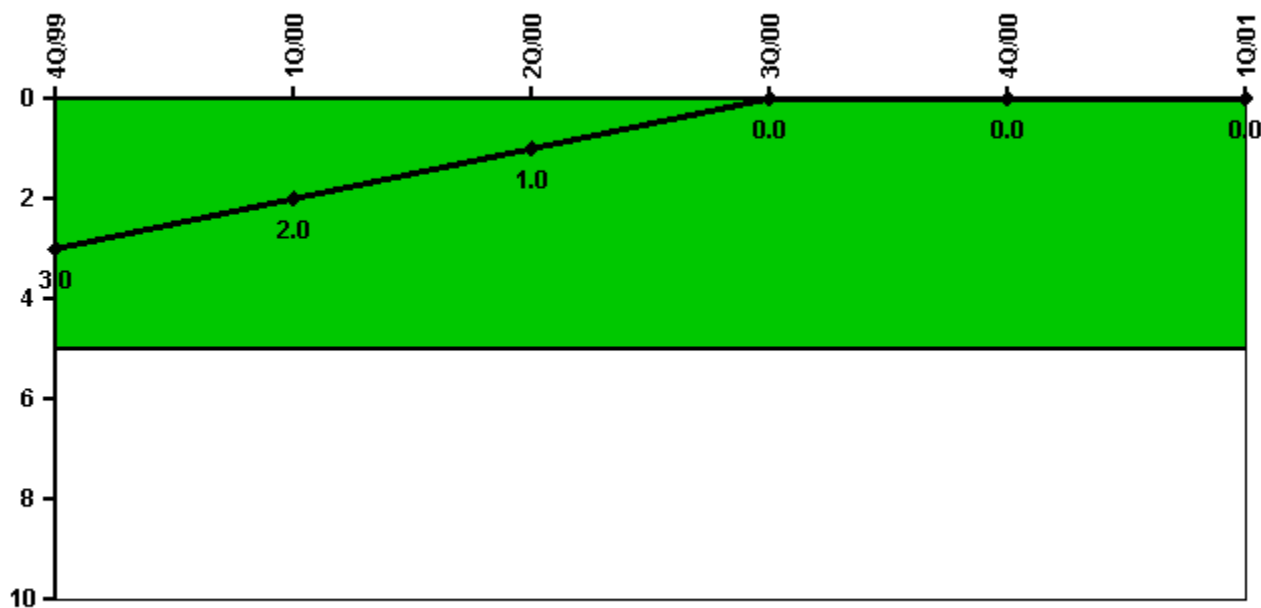
Indicator value	0.7%	0.8%	0.8%	0.9%	0.9%	0.9%

Licensee Comments:

1Q/01: March 2001: Engineering evaluation determined that train 2 was available (15.33 hours to 0.13).

4Q/00: October 2000 hours train required for service changed from 744 to 745 due to daylight savings time.

Safety System Functional Failures (PWR)



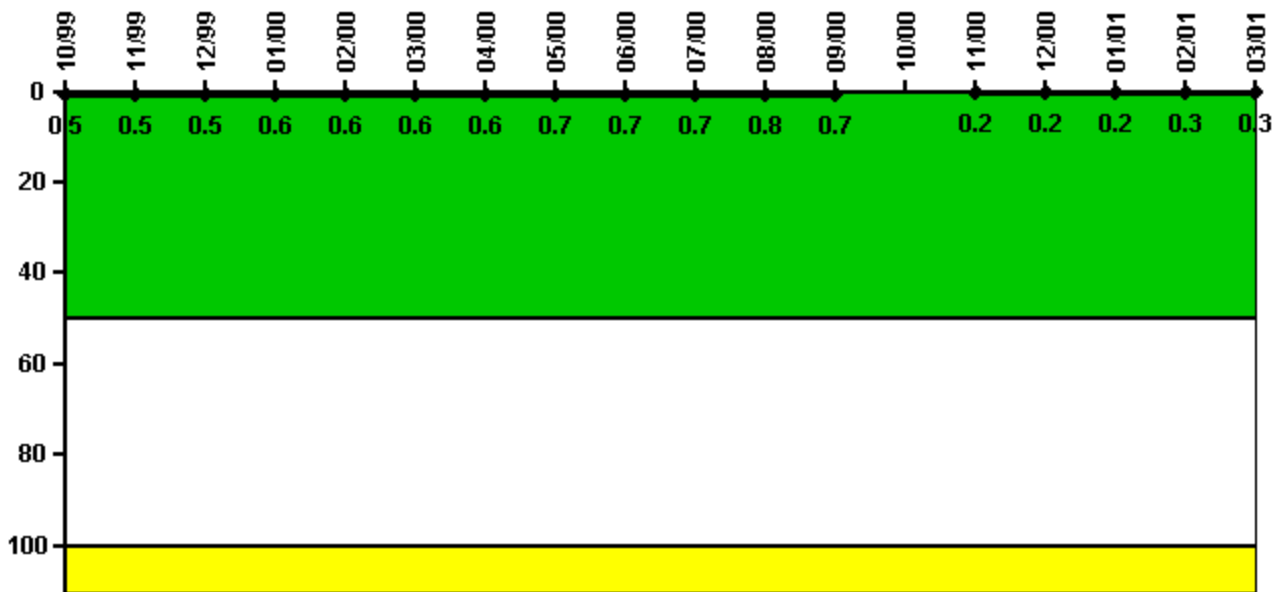
Thresholds: White > 5.0

Notes

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

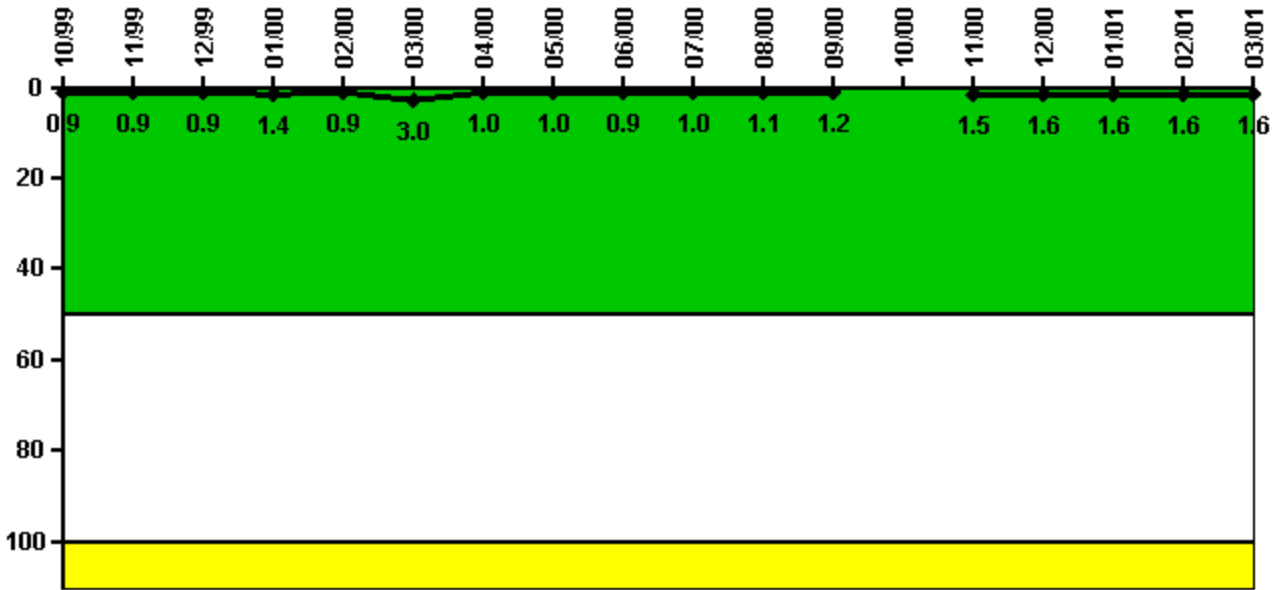
Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	N/A	0.001530	0.001930	0.002240	0.003000	0.003000
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	N/A	0.2	0.2	0.2	0.3	0.3

Licensee Comments:

12/00: Entered Refueling Outage XI on 9/29/00. *Changed 10/2000 from a zero to an N/A.

9/00: Changed:9/2000 to .007 as the original number (.0131) was not the steady state data

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

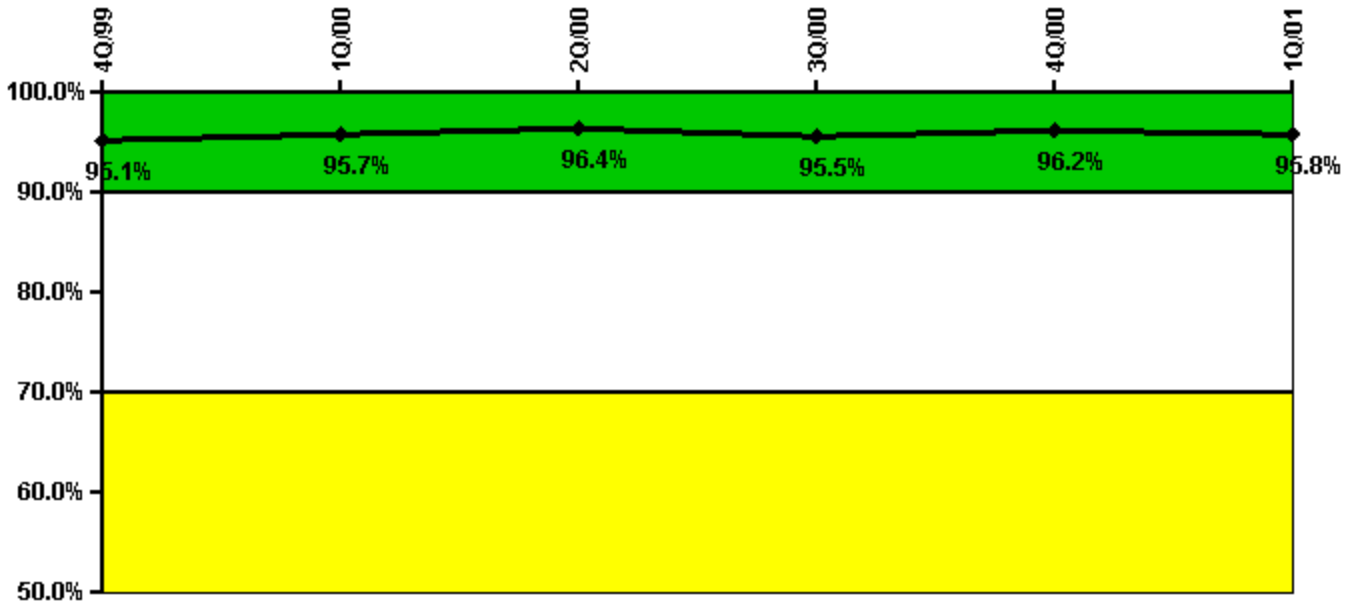
Reactor Coolant System Leakage	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00
Maximum leakage	0.094	0.090	0.086	0.135	0.090	0.295	0.098	0.100	0.088	0.095	0.105	0.124
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.9	0.9	0.9	1.4	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
Maximum leakage	N/A	0.155	0.161	0.162	0.162	0.162
Technical specification limit	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

Licensee Comments:

12/00: Changed: 10/2000 data from a zero to an N/A.

Drill/Exercise Performance



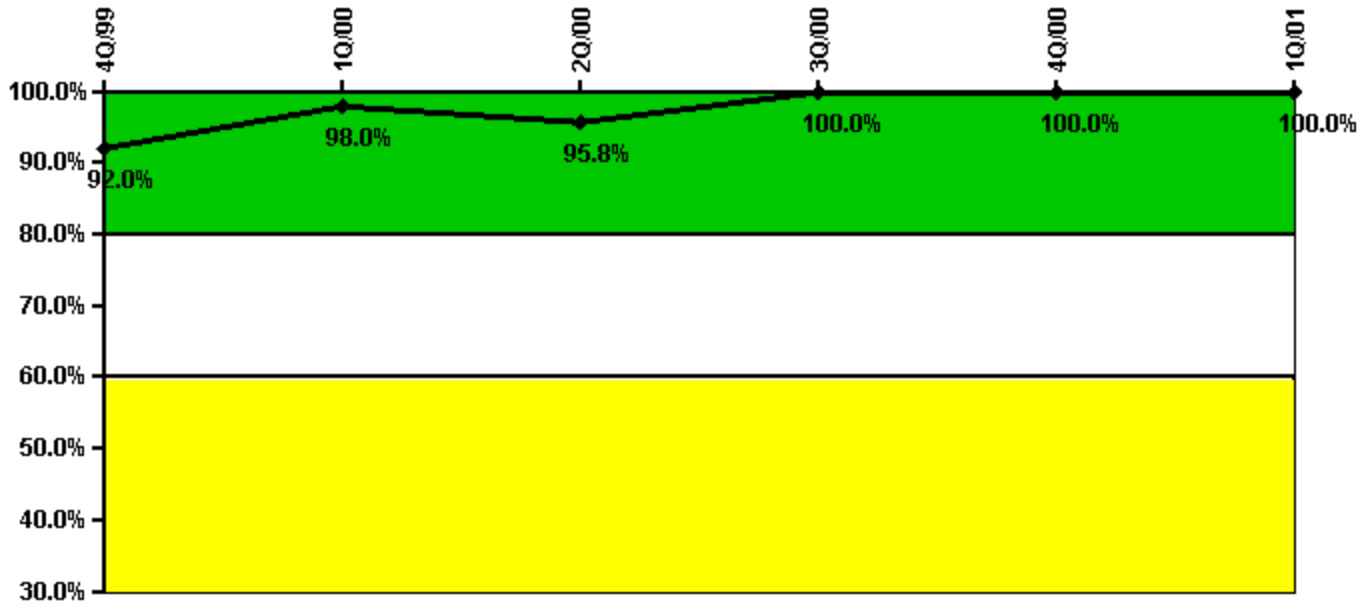
Thresholds: White < 90.0% Yellow < 70.0%

Notes

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

Licensee Comments: none

ERO Drill Participation



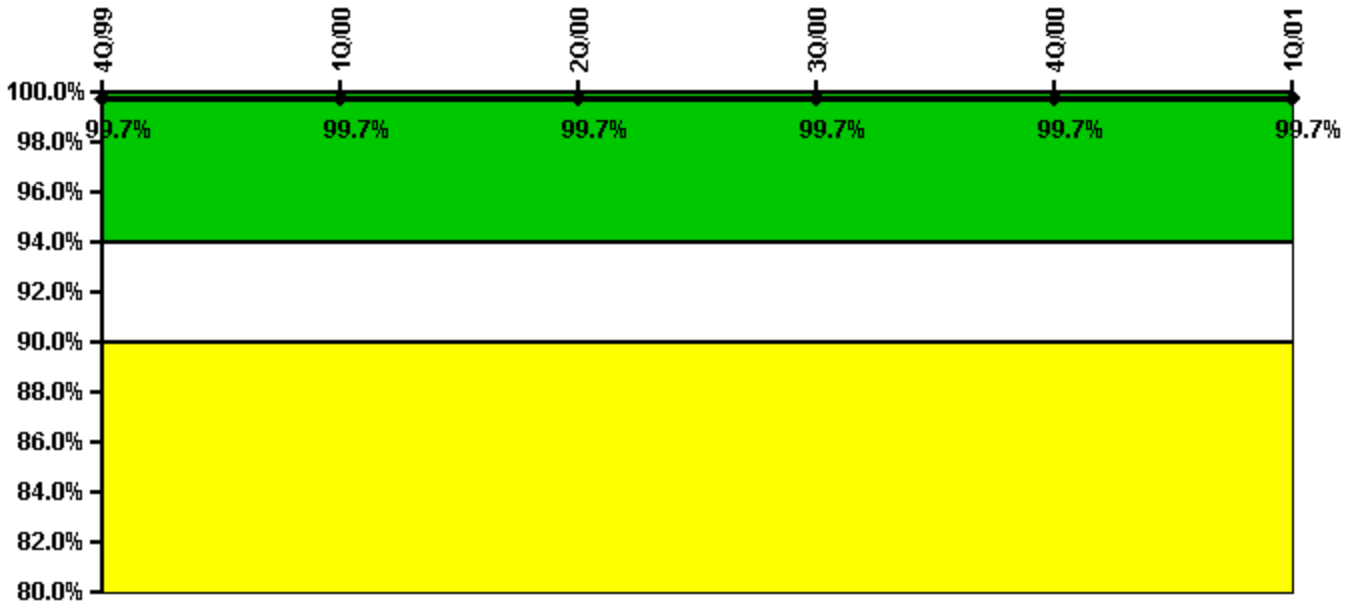
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Participating Key personnel	46.0	48.0	46.0	46.0	46.0	46.0
Total Key personnel	50.0	49.0	48.0	46.0	46.0	46.0
Indicator value	92.0%	98.0%	95.8%	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
Successful siren-tests	78	77	76	66	77	66
Total sirens-tests	78	77	77	66	77	66
Indicator value	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%

Licensee Comments:

1Q/01:

Occupational Exposure Control Effectiveness



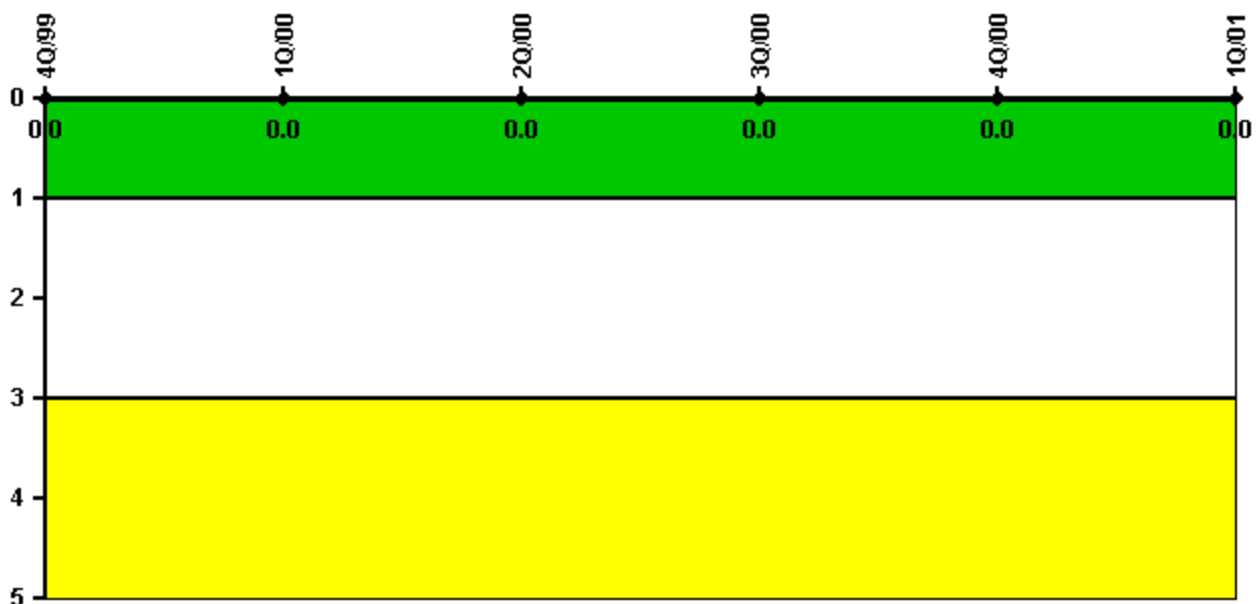
Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
High radiation area occurrences	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



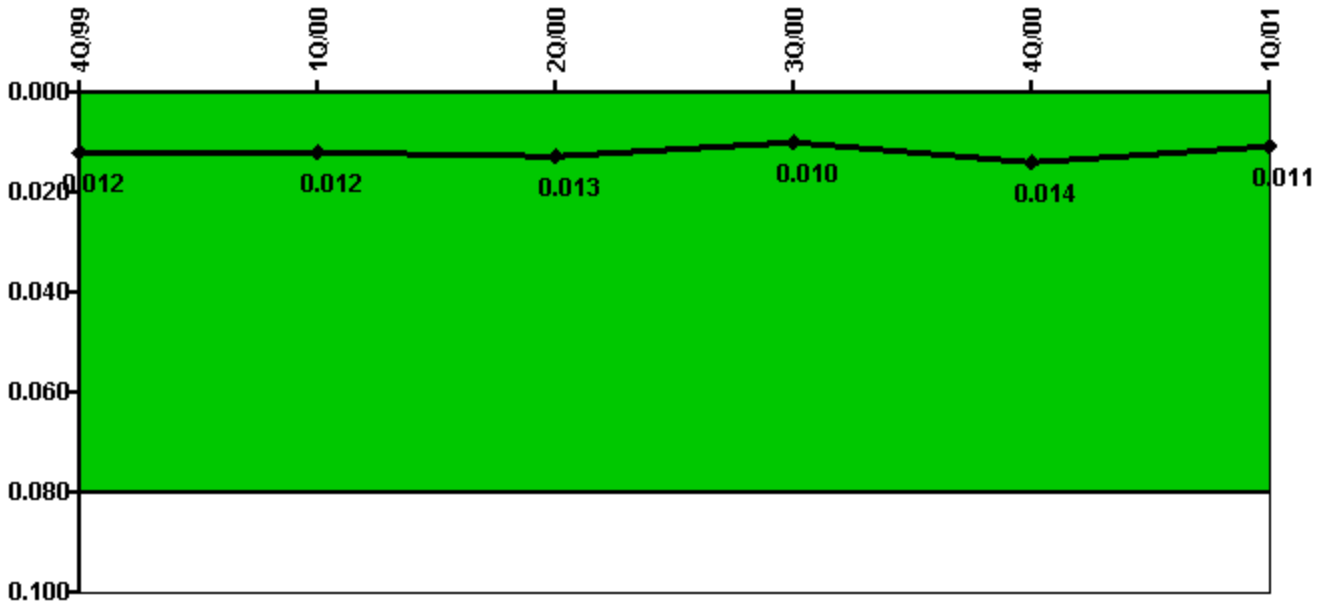
Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
RETS/ODCM occurrences	0	0	0	0	0	0
Indicator value	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
IDS compensatory hours	0.60	98.10	28.40	25.50	106.30	14.80
CCTV compensatory hours	17.9	3.4	35.8	36.0	26.7	2.6
IDS normalization factor	1.50	1.50	1.50	1.50	1.50	1.50
CCTV normalization factor	1.3	1.3	1.3	1.3	1.3	1.4
Index Value	0.012	0.012	0.013	0.010	0.014	0.011

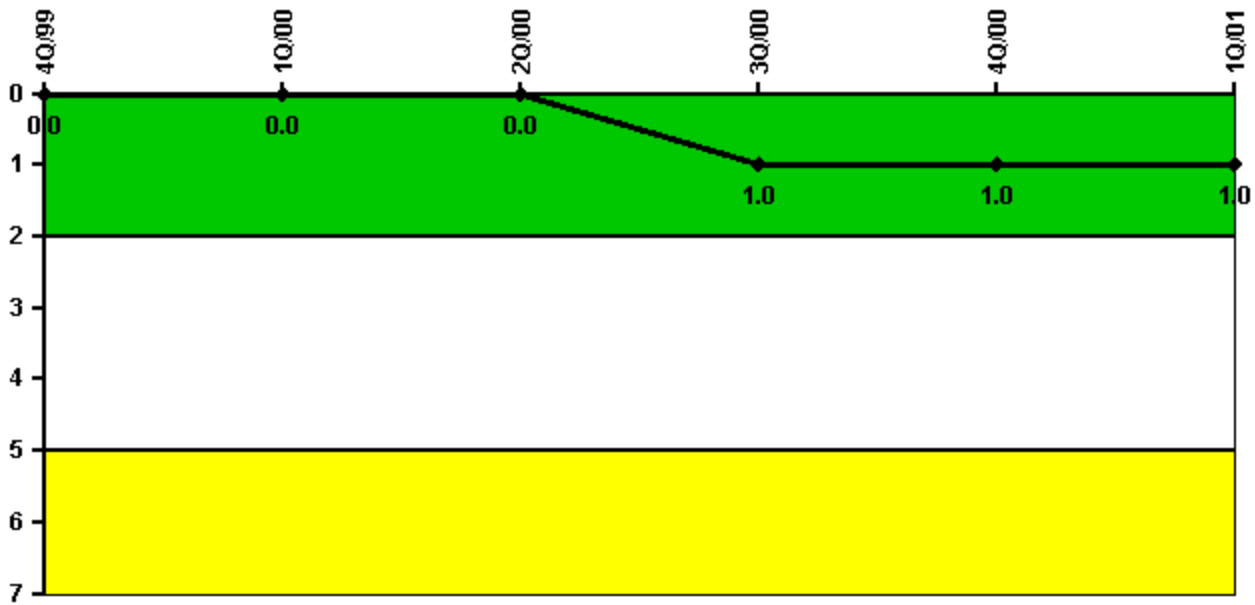
Licensee Comments:

1Q/01: March 2001: 0.2 hours added to CCTV (0 to 0.2)

4Q/00: Review of security activity identified 1.3 hours over reported for December 2000 IDS Compensatory hours. (105.5 to 104.2)

3Q/00: Review of security activity identified 2.3 hours to be added to September 2000 CCTV (18.6 to 20.9).

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
Program failures	0	0	0	1	0	0
Indicator value	0	0	0	1	1	1

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
Program Failures	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0

Licensee Comments: none

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

Last Modified: March 28, 2002