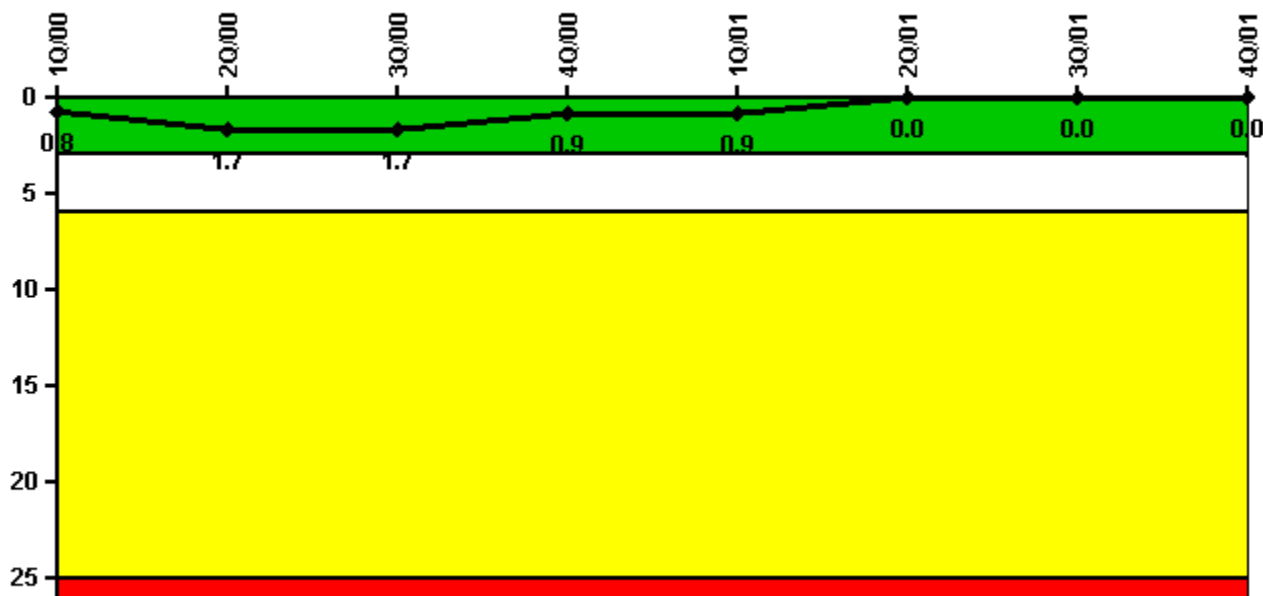


Harris 1

4Q/2001 Performance Indicators

Licensee's General Comments: Update to 4Q2001 Report

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	1.0	0	0	0	0	0	0
Critical hours	2184.0	1526.7	2208.0	2209.0	2160.0	2183.0	1992.2	7.5
Indicator value	0.8	1.7	1.7	0.9	0.9	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



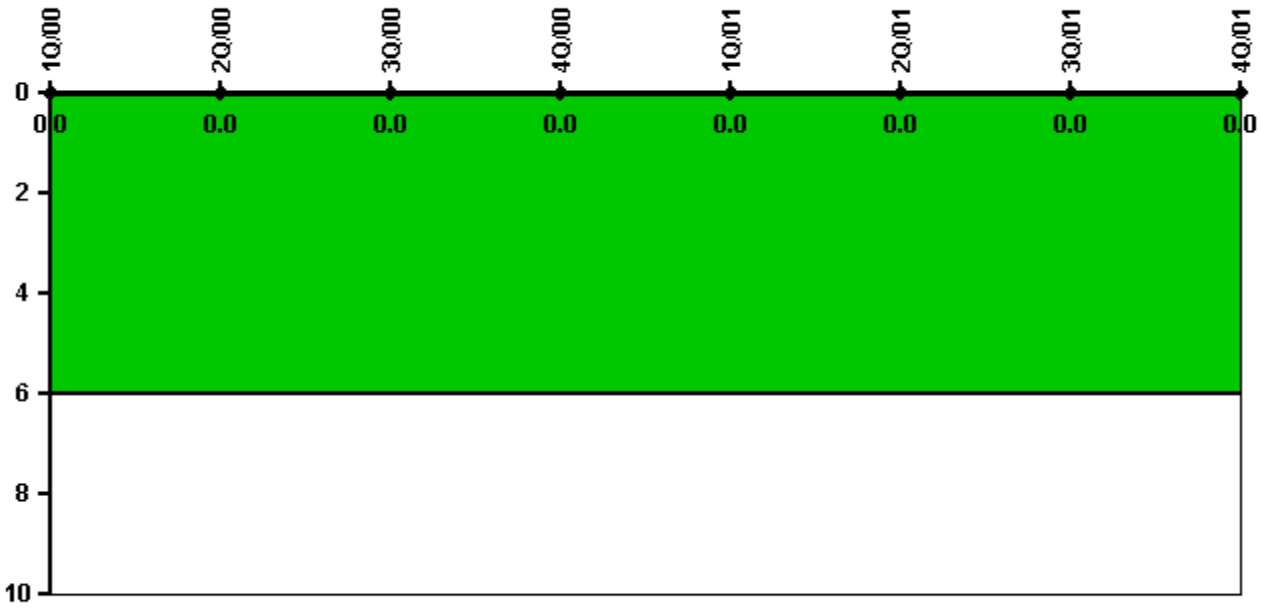
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

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	1.0	0	0	0	0	0	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



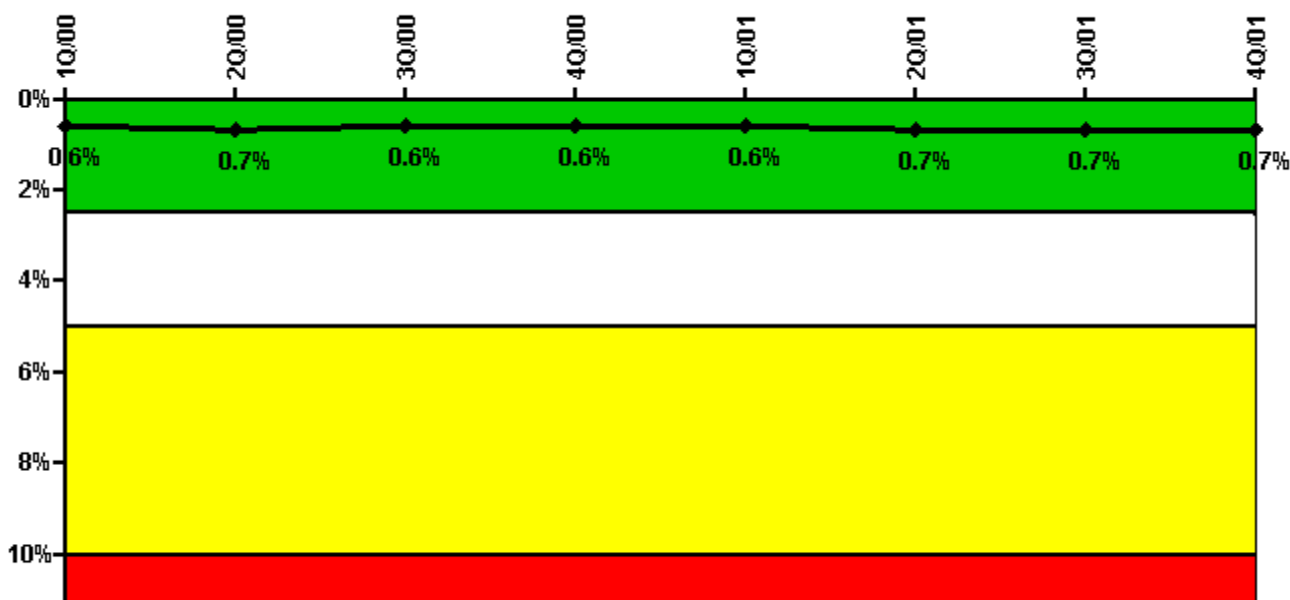
Thresholds: White > 6.0

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	1526.7	2208.0	2209.0	2160.0	2183.0	1992.2	7.5
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

Safety System Unavailability, Emergency AC Power



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

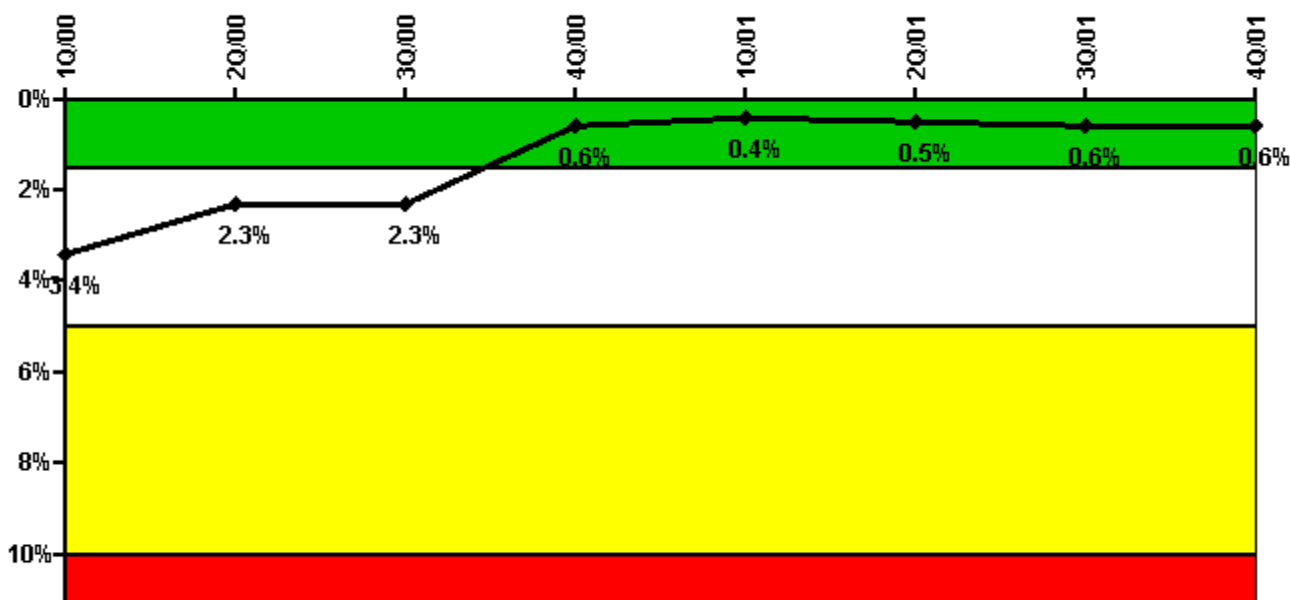
Notes

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	18.20	2.20	19.85	3.01	15.84	3.49	21.09	1.22
Unplanned unavailable hours	0	2.00	0	0.32	6.50	0.20	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	1881.50	2208.00	2209.00	2160.00	2183.00	2005.50	837.57
Train 2								
Planned unavailable hours	2.30	28.50	7.84	2.51	35.63	12.93	1.78	0
Unplanned unavailable hours	0	2.80	0	0.75	1.47	9.26	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	1942.80	2208.00	2209.00	2160.00	2183.00	2208.00	727.97
Indicator value	0.6%	0.7%	0.6%	0.6%	0.6%	0.7%	0.7%	0.7%

Licensee Comments:

2Q/01: Based upon Maintenance Rule Database review, added .2 hours Unplanned Unavailability for Train 1 for 5/2001. No PI color change involved.

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	1.18	0.45	7.03	0.47	10.45	25.40	36.36	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	485.93	0	842.84	0	0	0	0
Required hours	2184.00	1832.00	2208.00	2209.00	2160.00	2183.00	2005.50	108.28
Train 2								
Planned unavailable hours	7.98	0.25	4.75	7.47	9.65	30.65	8.52	0
Unplanned unavailable hours	0.77	0	0	0	0	8.95	0	0
Fault exposure hours	97.05	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	97.05	0	0	0
Required hours	2184.00	1832.00	2208.00	2209.00	2160.00	2183.00	2005.50	108.28
Indicator value	3.4%	2.3%	2.3%	0.6%	0.4%	0.5%	0.6%	0.6%

Licensee Comments:

4Q/01: LER 01-03-00 "1A-SA Residual Heat Removal Suction Line Debris" dated 11/27/01 addresses a condition that is considered to be a historical design issue. This issue potentially impacts HHSI. However, there is no impact on PI due to historical design issue.

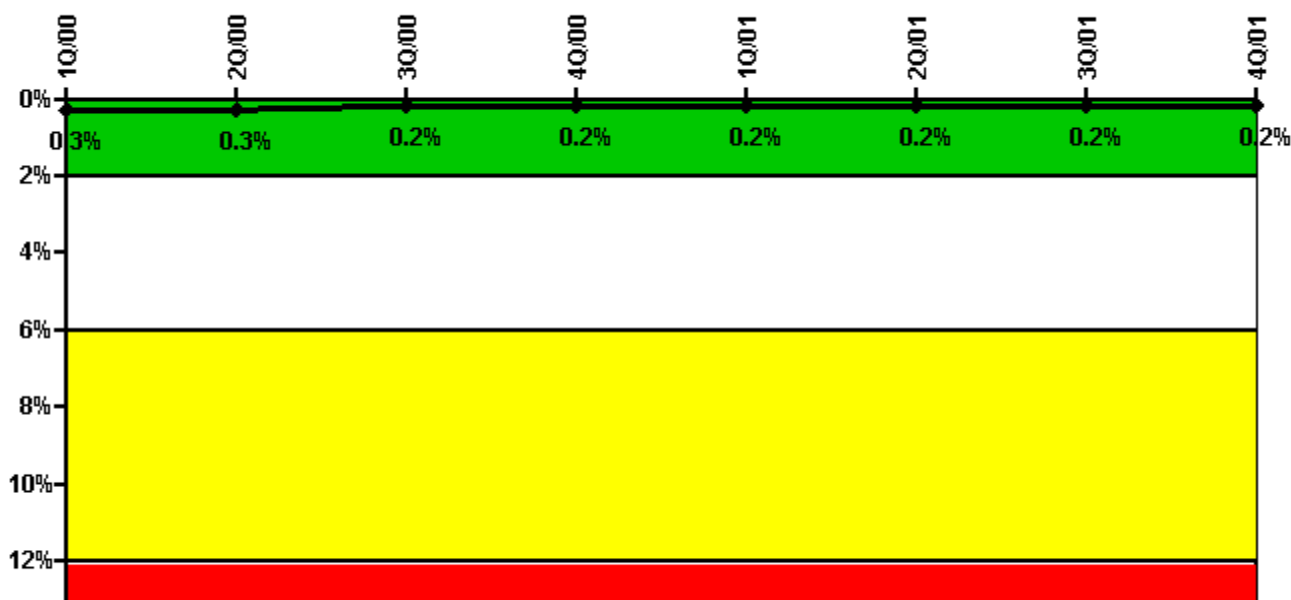
Effective Reset Comments:

1Q/01: Criteria met to reset FE hours.

4Q/00: Criteria met to reset FE hours.

2Q/00: Criteria has been met for reset of FE hours.

Safety System Unavailability, Heat Removal System (AFW)



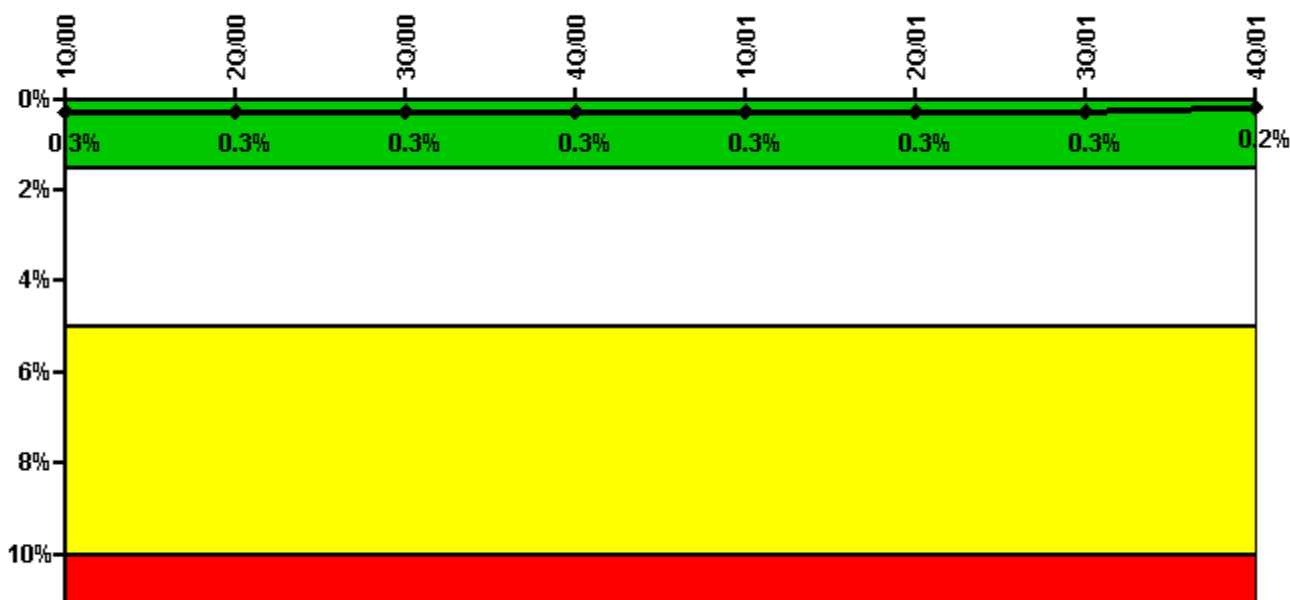
Thresholds: White > 2.0% Yellow > 6.0% Red > 12.0%

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	0	9.00	0	0	0	1.17	0	0
Unplanned unavailable hours	0	0	0	0	0	4.27	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	1589.88	2208.00	2209.00	2160.00	2183.00	1996.72	68.72
Train 2								
Planned unavailable hours	6.25	0	0	5.60	0	0	3.38	0
Unplanned unavailable hours	0	0	0	0	0	1.38	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	1589.88	2208.00	2209.00	2160.00	2183.00	1996.72	68.72
Train 3								
Planned unavailable hours	12.09	8.25	10.92	0.47	0	6.83	8.47	0
Unplanned unavailable hours	6.52	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	1589.88	2208.00	2209.00	2160.00	2183.00	1996.72	68.72
Indicator value	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



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

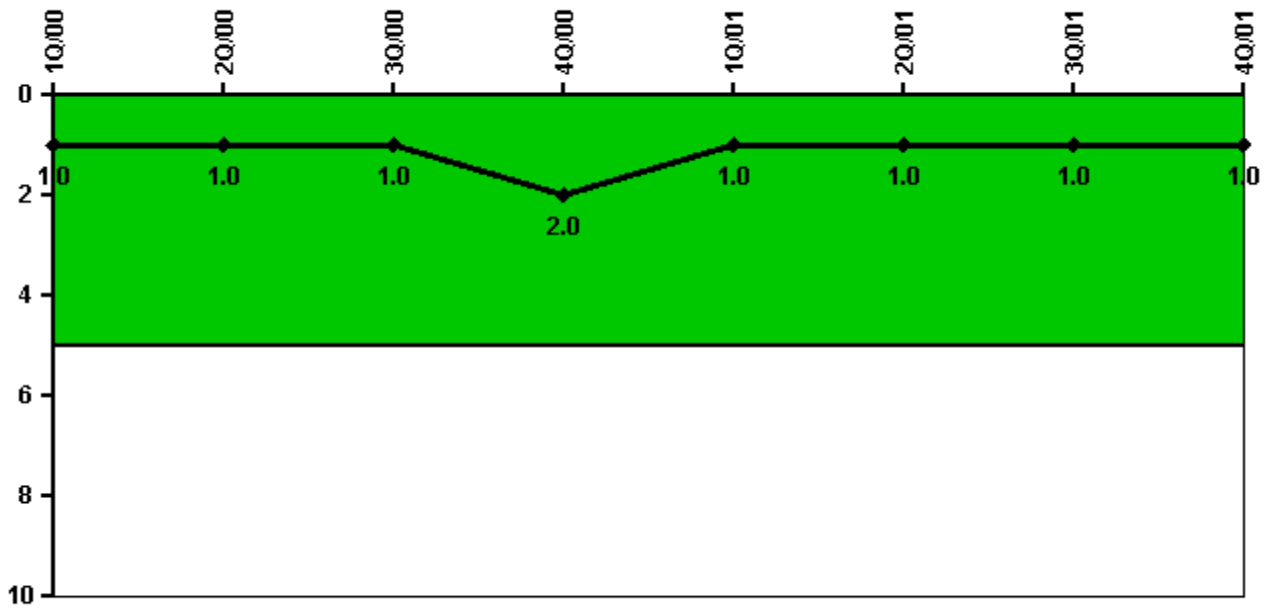
Notes

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	2.30	0	10.50	8.00	5.20	0	4.00	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	2184.00	2035.00	2208.00	2209.00	2160.00	2183.00	2208.00	726.75
Train 2								
Planned unavailable hours	0	3.70	0	3.00	0	1.20	8.30	0
Unplanned unavailable hours	0	0	0	0	0	0	3.70	0
Fault exposure hours	0	0	0	0	0	0	7.70	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	2184.00	2035.00	2208.00	2209.00	2160.00	2183.00	2208.00	726.75
Indicator value	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%

Licensee Comments:

4Q/01: The 3Q 2001 report for Residual Heat Removal (RHR) system included a note that stated that an investigation was in progress that may lead to additional unavailable hours being identified. The investigation resulted in LER 01-03-00 "1A-SA Residual Heat Removal Suction Line Debris" dated 11/27/01. This condition is considered to be a historical design issue.

Safety System Functional Failures (PWR)



Thresholds: White > 5.0

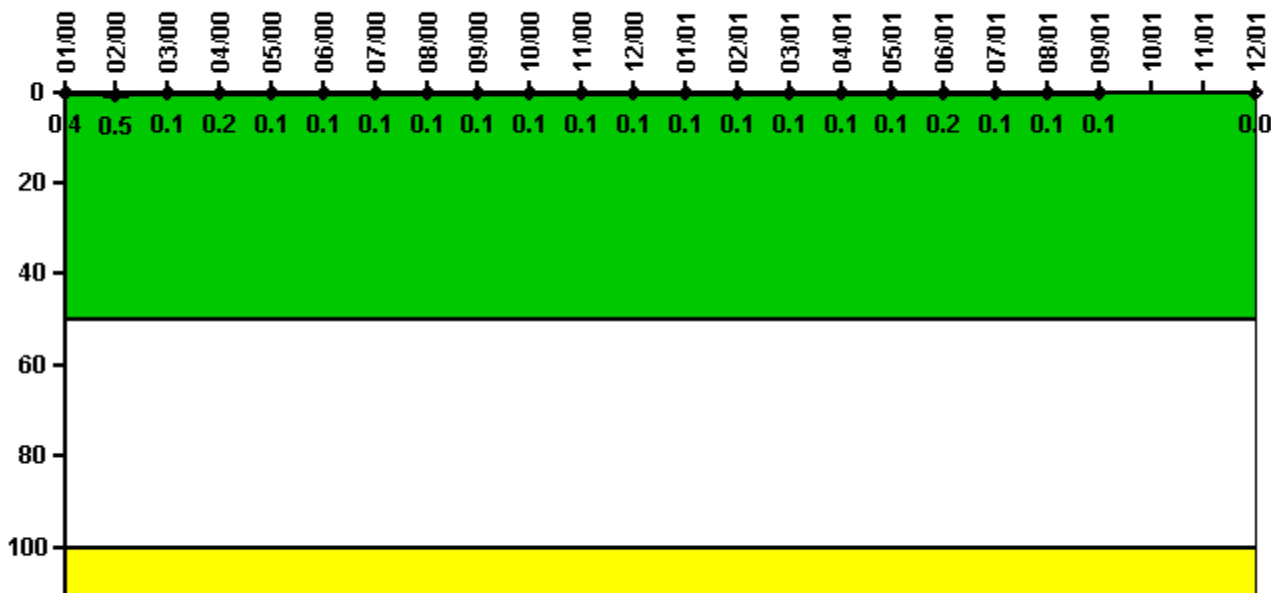
Notes

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	1	0	0	1	0	0	0	1
Indicator value	1	1	1	2	1	1	1	1

Licensee Comments:

4Q/01: LER 2001-03-00 was written for the discovery of foreign material in the 1A-SA RHR Suction Line during maintenance on 1SI-310. This debris was determined to have been a potential impact on operability in the containment recirculation mode.

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	0.003602	0.004650	0.001196	0.002300	0.000587	0.001428	0.000636	0.000671	0.000669	0.000716	0.000728	0.000749
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	0.5	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

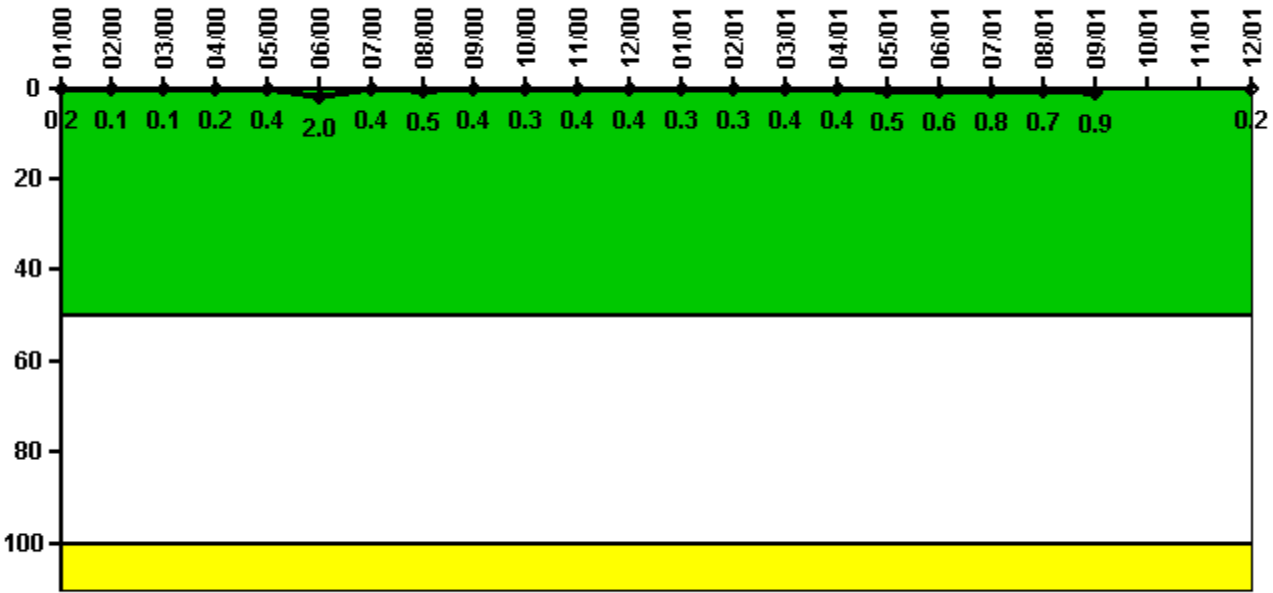
Reactor Coolant System Activity	1/01	2/01	3/01	4/01	5/01	6/01	7/01	8/01	9/01	10/01	11/01	12/01
Maximum activity	0.000779	0.000791	0.000820	0.000837	0.000939	0.002140	0.001430	0.001323	0.001280	N/A	N/A	0
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	N/A	N/A	0

Licensee Comments:

12/01: Data unavailable for October and November due to Refueling Outage 10. For December the Gamma analyses of RCS showed Iodine activities less than lower limit of detection due to the reactor being shutdown. Used a "0" as a place keeper for this input in place of less than LLD.

12/01: Data unavailable for October and November due to Refueling Outage 10. For December the Gamma analyses of RCS showed Iodine activities less than lower limit of detection due to the reactor being shutdown. Used a "0" as a place keeper for this input in place of less than LLD.

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

Notes

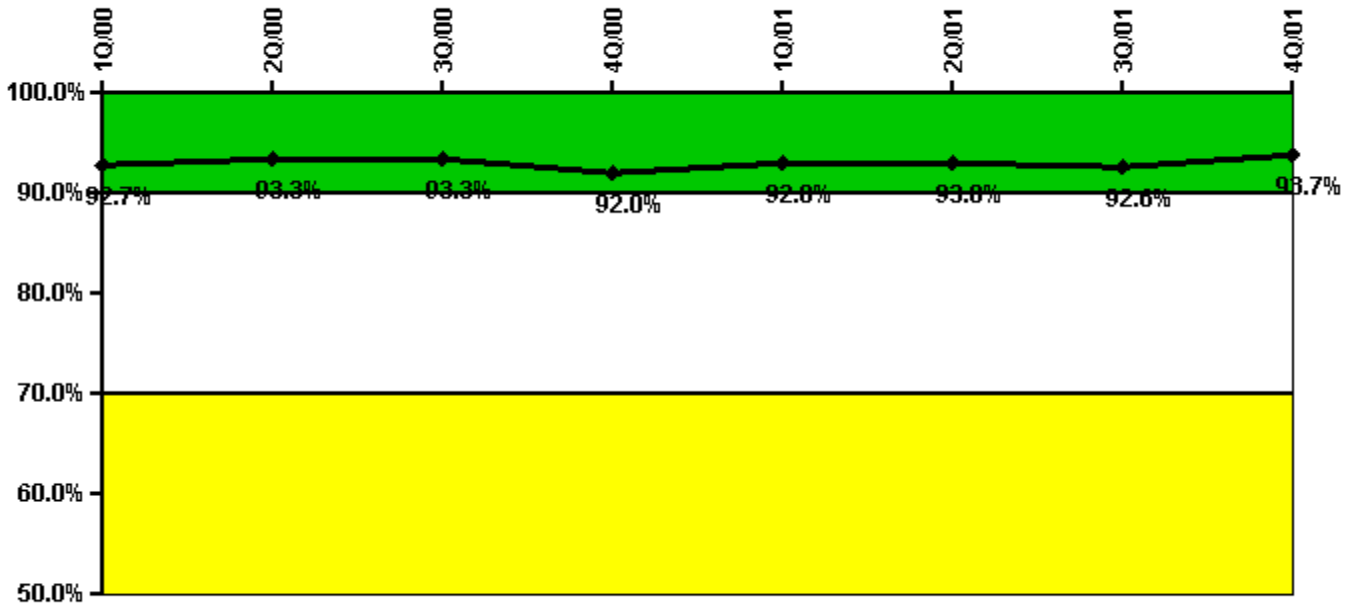
Reactor Coolant System Leakage	1/00	2/00	3/00	4/00	5/00	6/00	7/00	8/00	9/00	10/00	11/00	12/00
Maximum leakage	0.020	0.010	0.010	0.020	0.040	0.200	0.040	0.050	0.040	0.030	0.040	0.040
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.2	0.1	0.1	0.2	0.4	2.0	0.4	0.5	0.4	0.3	0.4	0.4

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	0.030	0.030	0.040	0.040	0.050	0.060	0.080	0.070	0.090	N/A	N/A	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	0.3	0.3	0.4	0.4	0.5	0.6	0.8	0.7	0.9	N/A	N/A	0.2

Licensee Comments:

12/01: No data available for October and November 2001 due to Harris Refueling Outage 10.

Drill/Exercise Performance



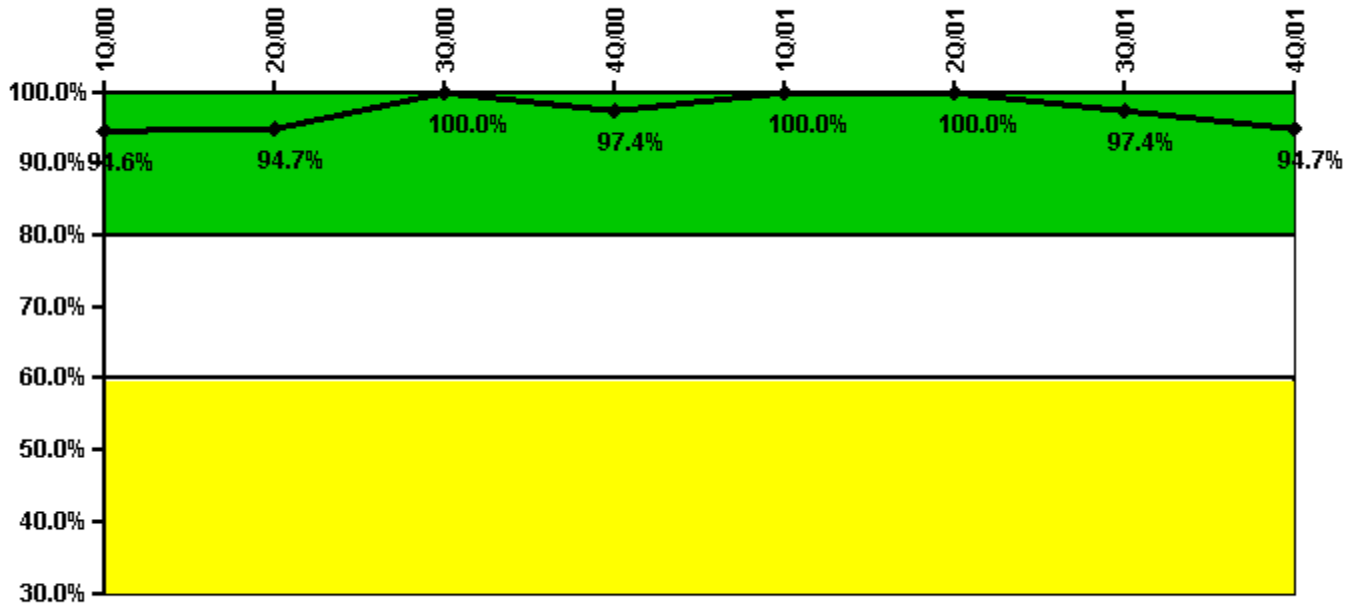
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful opportunities	43.0	37.0	13.0	5.0	34.0	26.0	4.0	2.0
Total opportunities	48.0	38.0	14.0	9.0	34.0	26.0	4.0	2.0
Indicator value	92.7%	93.3%	93.3%	92.0%	92.8%	93.0%	92.6%	93.7%

Licensee Comments: none

ERO Drill Participation



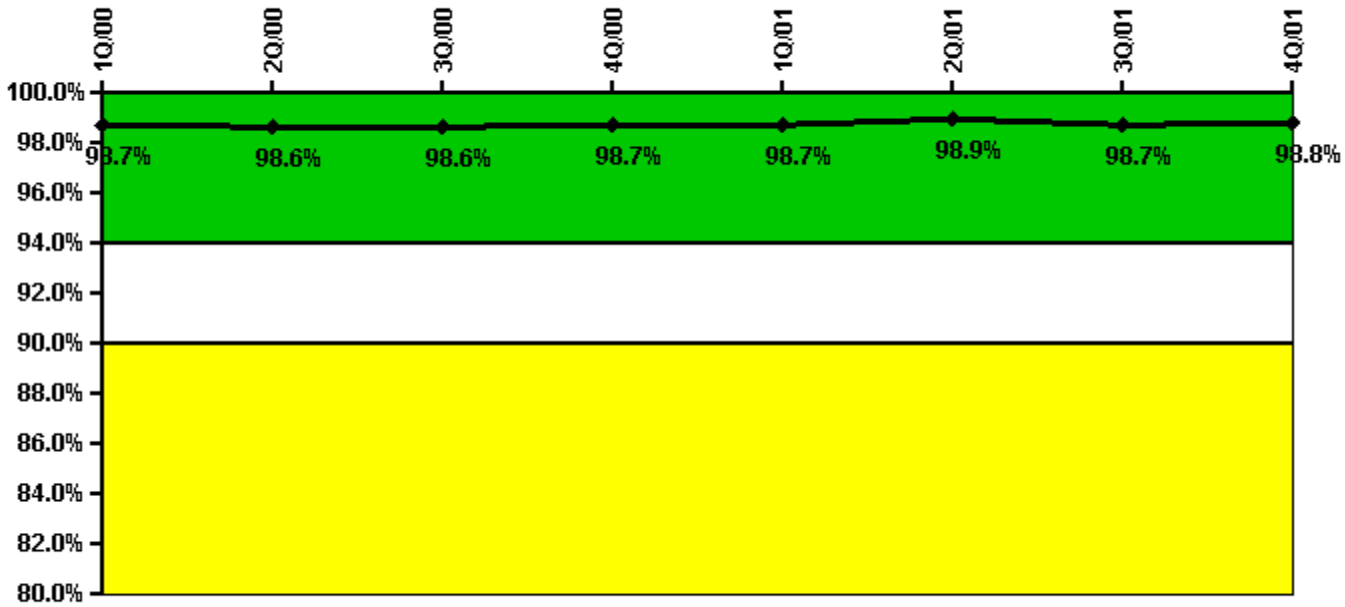
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	53.0	54.0	40.0	37.0	37.0	37.0	37.0	36.0
Total Key personnel	56.0	57.0	40.0	38.0	37.0	37.0	38.0	38.0
Indicator value	94.6%	94.7%	100.0%	97.4%	100.0%	100.0%	97.4%	94.7%

Licensee Comments: none

Alert & Notification System



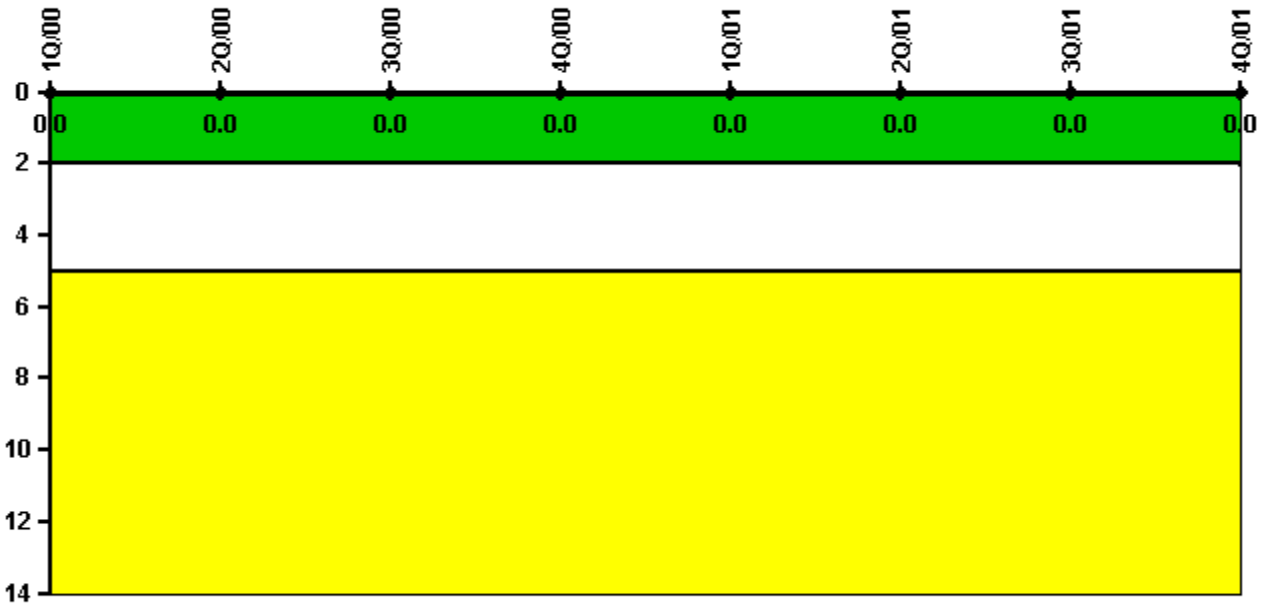
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	645	554	640	559	645	559	594	682
Total sirens-tests	648	567	648	567	648	567	607	689
Indicator value	98.7%	98.6%	98.6%	98.7%	98.7%	98.9%	98.7%	98.8%

Licensee Comments: none

Occupational Exposure Control Effectiveness



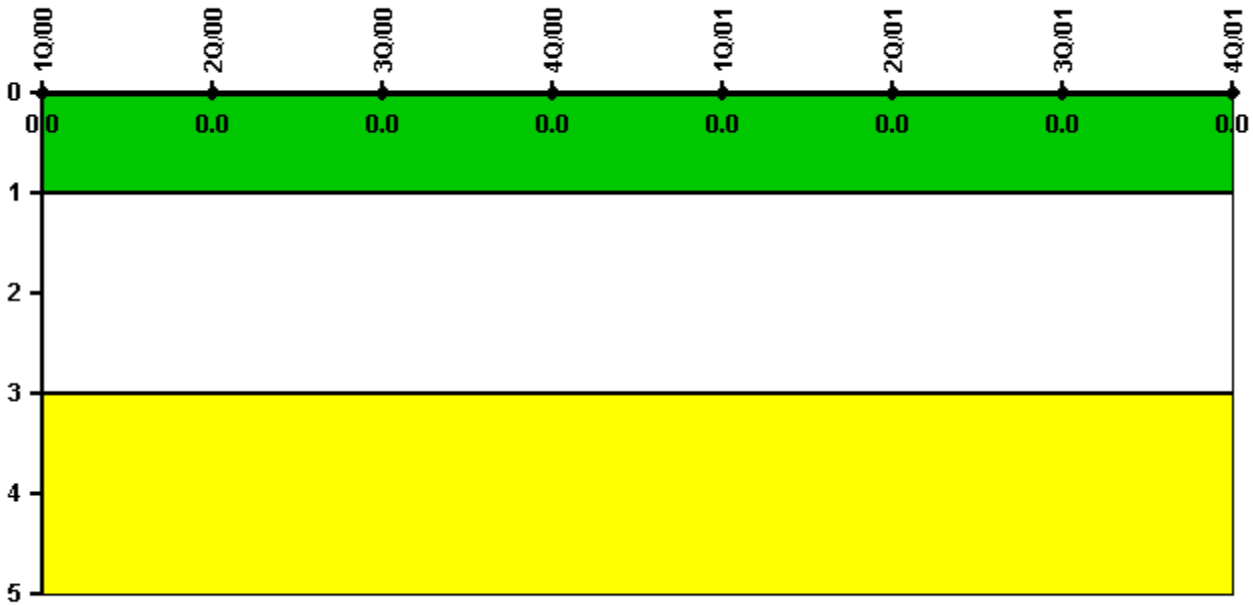
Thresholds: White > 2.0 Yellow > 5.0

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



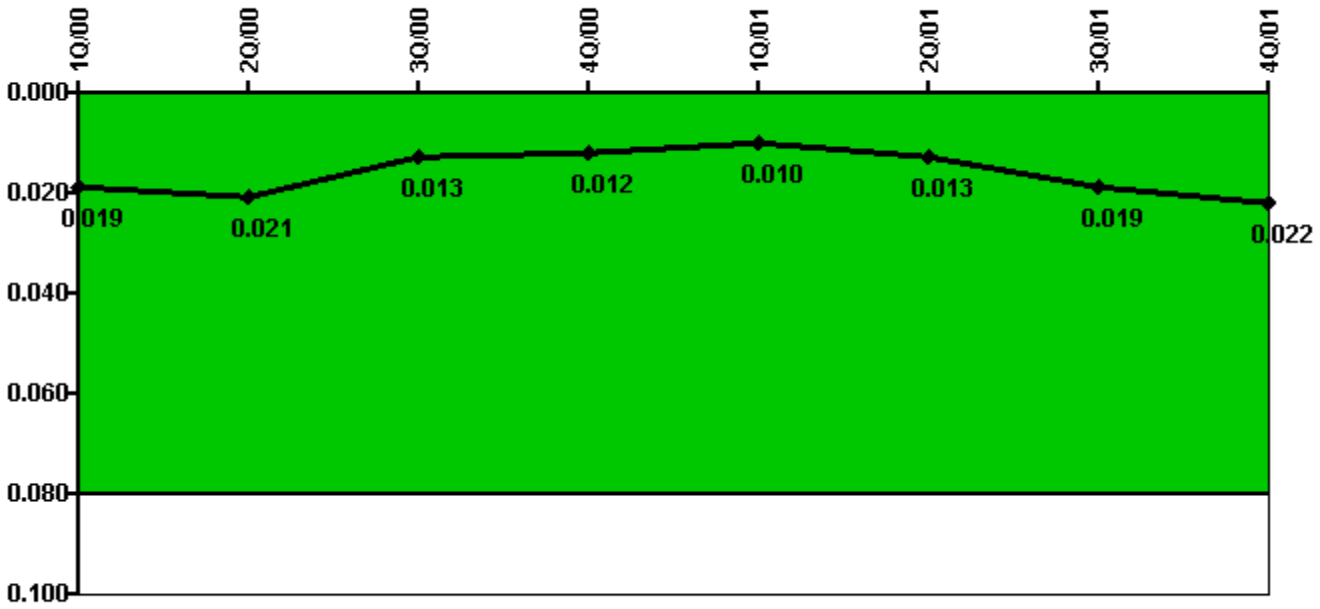
Thresholds: White > 1.0 Yellow > 3.0

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	264.20	101.92	128.85	108.40	53.08	256.70	332.20	250.40
CCTV compensatory hours	0	0	0	0	61.4	0.5	36.4	0
IDS normalization factor	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
CCTV normalization factor	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Index Value	0.019	0.021	0.013	0.012	0.010	0.013	0.019	0.022

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	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	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