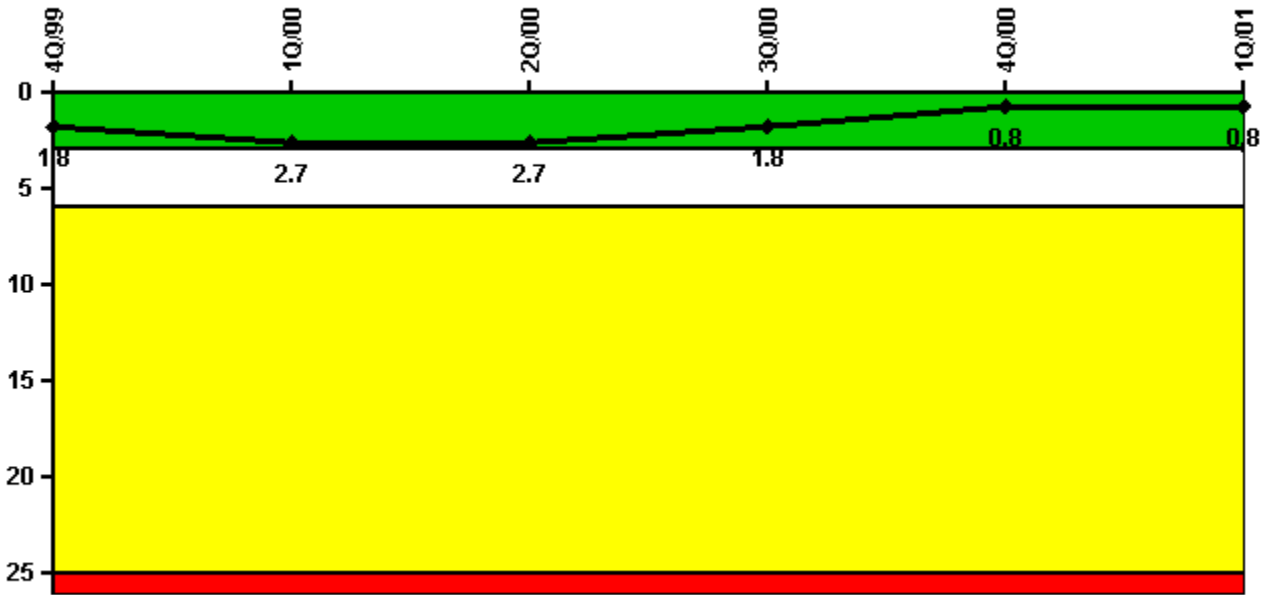


Callaway

1Q/2001 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



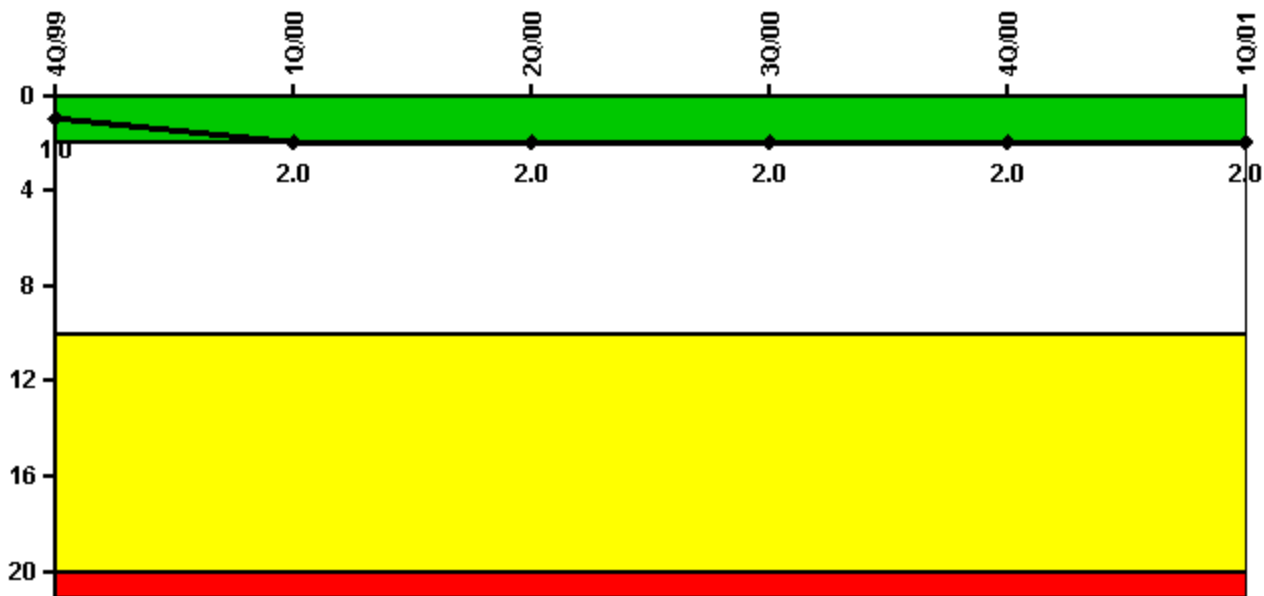
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned scrams	1.0	1.0	0	0	0	1.0
Critical hours	1375.0	2162.0	2183.0	2208.0	2209.0	2113.0
Indicator value	1.8	2.7	2.7	1.8	0.8	0.8

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

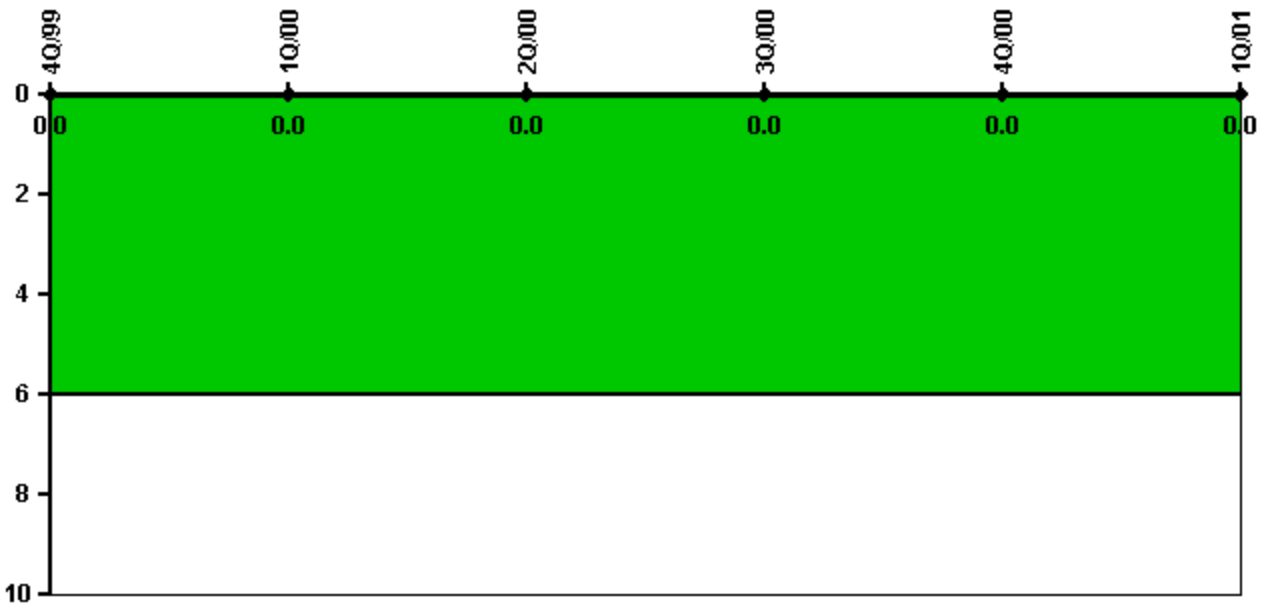
Notes

Scrams with Loss of Normal Heat Removal	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Scrams	0	1.0	0	0	0	0
Indicator value	1.0	2.0	2.0	2.0	2.0	2.0

Licensee Comments:

3Q/99: LER 99-003 is now being counted in this PI. This is based on review of FAQ 220 and discussions from the recent NEI PI Workshop on the application of the definitions for this indicator. The PI data will be affected from this point forward for 12 quarters. The indicator will remain in the licensee response band with this change.

Unplanned Power Changes per 7000 Critical Hrs



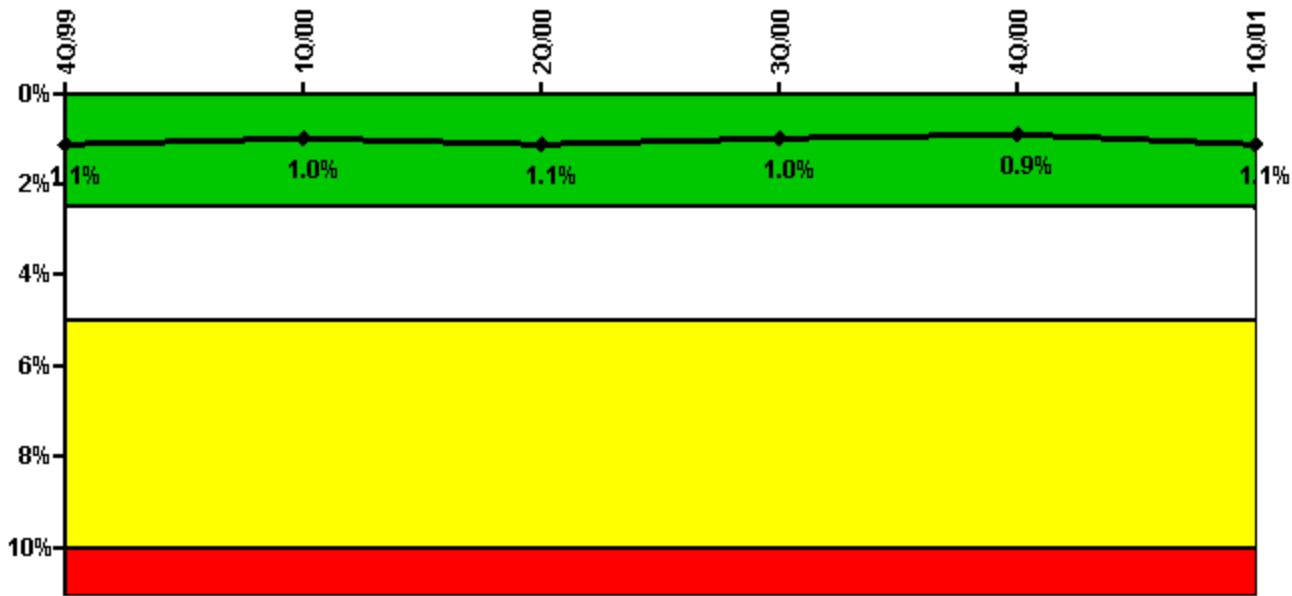
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Unplanned power changes	0	0	0	0	0	0
Critical hours	1375.0	2162.0	2183.0	2208.0	2209.0	2113.0
Indicator value	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	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	23.90	5.90	45.90	3.60	7.00	14.30
Unplanned unavailable hours	3.30	0	0	20.80	11.30	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	2208.00	2160.00
Train 2						
Planned unavailable hours	31.70	45.50	3.40	1.80	28.70	1.50
Unplanned unavailable hours	0	4.10	0	0	21.20	0
Fault exposure hours	0	0	0	0	0	132.30
Effective Reset hours	0	0	0	0	0	0
Required hours	2209.00	2184.00	2183.00	2208.00	2208.00	2160.00
Indicator value	1.1%	1.0%	1.1%	1.0%	0.9%	1.1%

Licensee Comments:

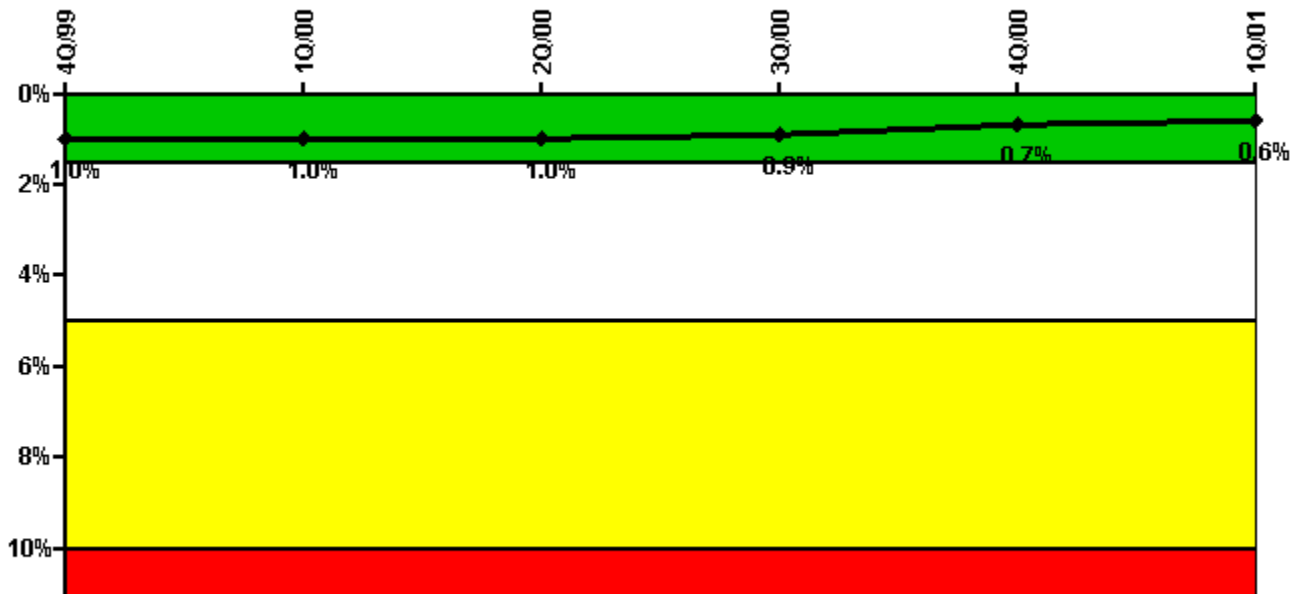
4Q/00: Minor changes made to incorporate an additional surveillance that was determined to take the trains out of service. Changes are made back to November 1999 and do not result in a color change to the indicator.

3Q/00: Data prior to 1/2000 will not be reviewed as specified in the 1st quarter data submittal. This decision is based on the approved response to FAQ 217 posted 10/1/2000.

2Q/00: Data prior to 1/2000 will not be reviewed as specified in the 1st quarter data submittal. This decision is based on the approved response to FAQ 170 and discussions with NEI on applicability to Callaway.

1Q/00: Adjustments made due to additional review of work documents and/or shift equipment out of service logs. This change is for the March time period only and does not result in a color change for the indicator.

Safety System Unavailability, High Pressure Injection System (HPSI)



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

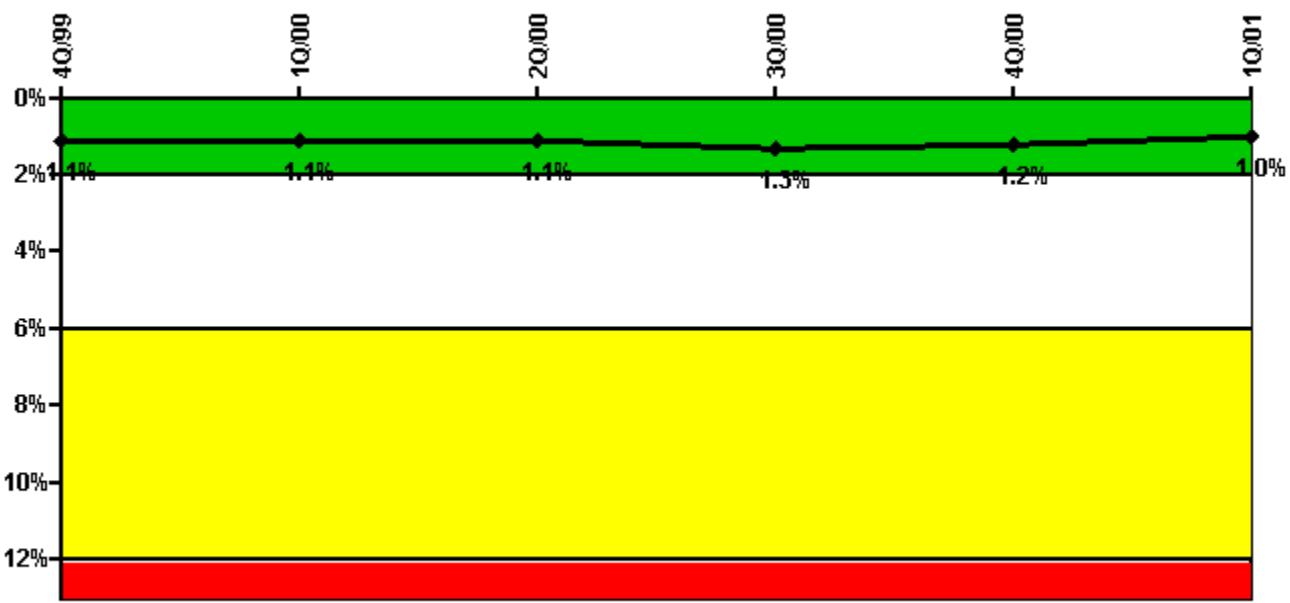
Notes

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	0	6.00	46.40	39.90	7.30	2.70
Unplanned unavailable hours	0	0	0	0	9.70	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	0.10	64.20	6.20	4.00	7.90	19.10
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	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00
Train 3						
Planned unavailable hours	22.30	6.30	46.20	4.50	26.40	3.60
Unplanned unavailable hours	0	0	1.40	0	9.70	0.60
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00
Train 4						
Planned unavailable hours	0	48.10	5.00	3.40	15.80	3.50
Unplanned unavailable hours	0	10.30	0	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00

Indicator value	1.0%	1.0%	1.0%	0.9%	0.7%	0.6%
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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/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	1.80	42.80	30.40	7.60	12.30
Unplanned unavailable hours	0	0	0	0	0	0
Fault exposure hours	0	0	0	231.30	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00
Train 2						
Planned unavailable hours	59.60	4.20	6.30	5.10	42.50	3.30
Unplanned unavailable hours	0	4.90	0.60	0	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	1489.00	2184.00	2183.00	2208.00	2208.00	2160.00
Train 3						
Planned unavailable hours	0	26.90	4.80	6.30	16.30	28.10
Unplanned unavailable hours	0	0	0	0.60	0	0.50
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0

Required hours	1471.00	2184.00	2183.00	2208.00	2208.00	2160.00
Indicator value	1.1%	1.1%	1.1%	1.3%	1.2%	1.0%

Licensee Comments:

1Q/01: 0.5 hours added to Train 3 unavailability due to Maintenance rule expert panel review of a steam trap OOS resulting in unavailability of the TDAFP. The data correction does not result in a threshold change for the indicator.

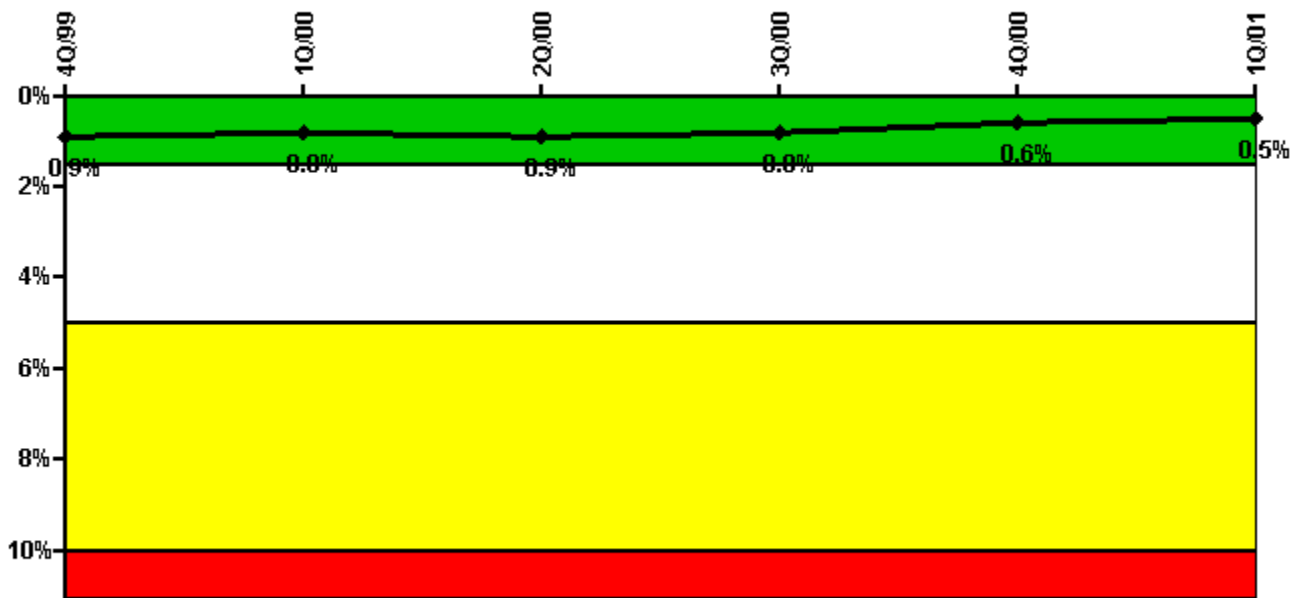
4Q/00: Minor revisions were made to Train 3 data to reflect a surveillance that was determined not to take the train out of service. The result will be an improved PI and affects data back to November 1999.

3Q/00: Minor changes made due to further review of equipment history. These changes do not result in a color change.

2Q/00: Minor changes made due to further review of equipment history. These changes do not result in a color change.

1Q/00: Adjustments made due to additional review of work documents and/or shift equipment out of service logs. This change does not result in a color change for the indicator.

Safety System Unavailability, Residual Heat Removal System



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

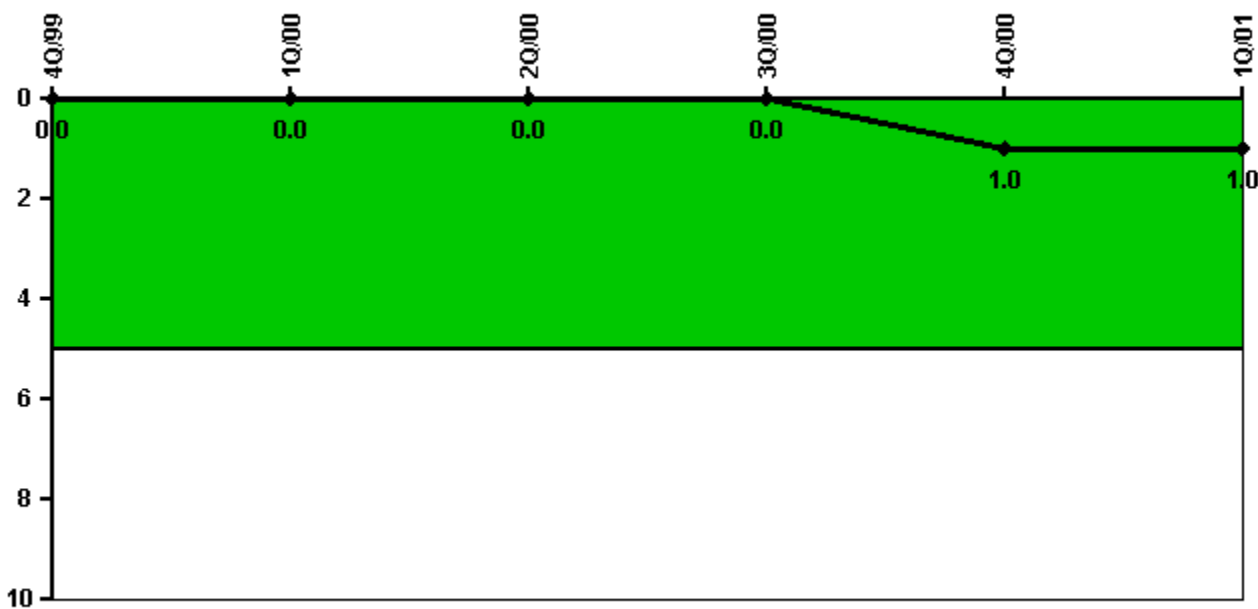
Notes

Safety System Unavailability, Residual Heat Removal System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Train 1						
Planned unavailable hours	0	4.00	69.00	6.80	8.20	1.80
Unplanned unavailable hours	0	0	0	0.30	9.70	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2055.00	2184.00	2183.00	2208.00	2208.00	2160.00

Train 2						
Planned unavailable hours	0	21.10	6.40	4.10	5.40	11.70
Unplanned unavailable hours	0	0	0	32.70	0	0
Fault exposure hours	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0
Required hours	2055.00	2184.00	2183.00	2208.00	2208.00	2160.00
Indicator value	0.9%	0.8%	0.9%	0.8%	0.6%	0.5%

Licensee Comments: none

Safety System Functional Failures (PWR)



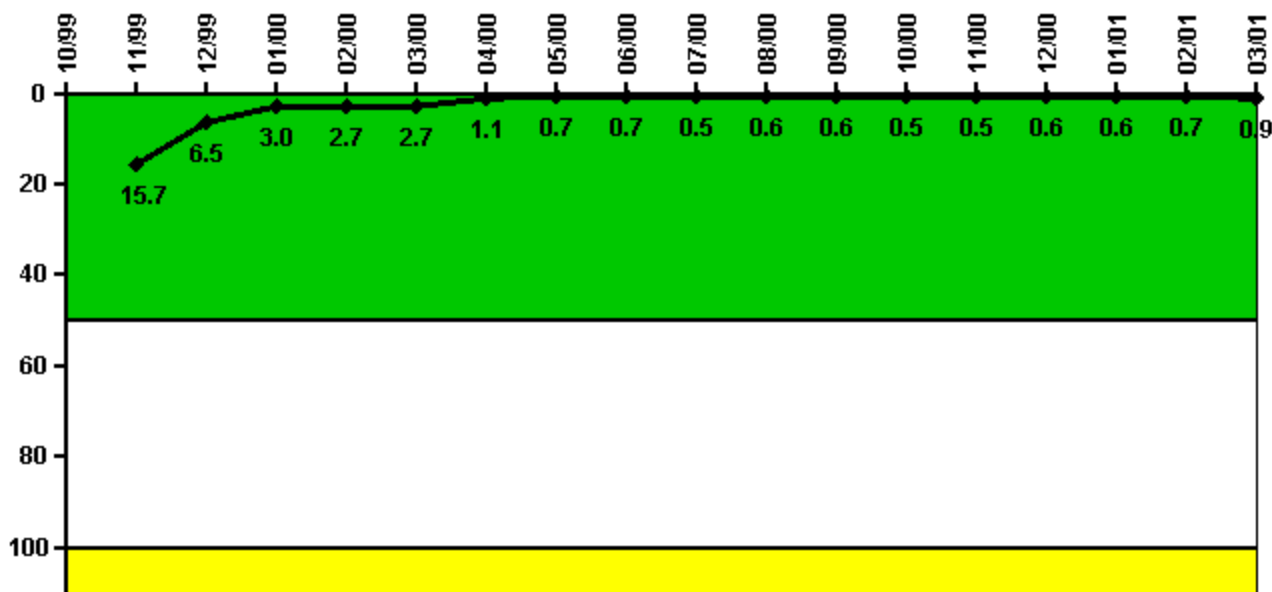
Thresholds: White > 5.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

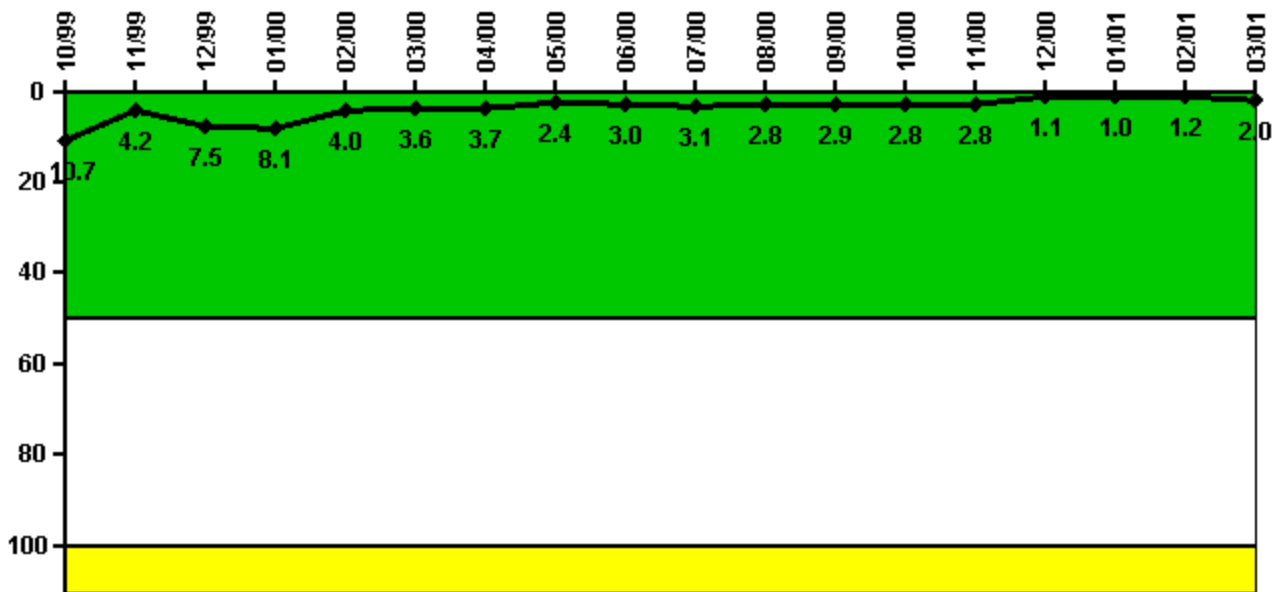
Notes

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	N/A	0.157000	0.064500	0.030000	0.027000	0.027000	0.011000	0.007000	0.007000	0.004780	0.005500	0.005850
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	15.7	6.5	3.0	2.7	2.7	1.1	0.7	0.7	0.5	0.6	0.6

Reactor Coolant System Activity	10/00	11/00	12/00	1/01	2/01	3/01
Maximum activity	0.005150	0.005420	0.005660	0.005740	0.007000	0.009070
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.5	0.5	0.6	0.6	0.7	0.9

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

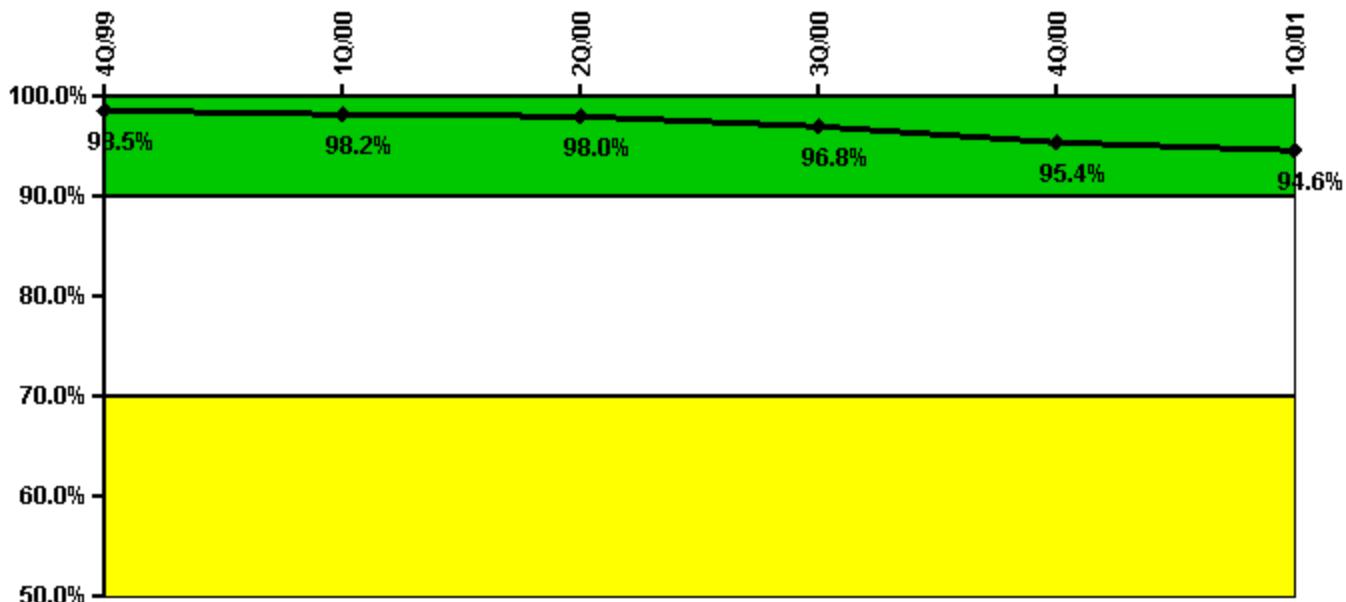
Notes

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	1.071	0.416	0.750	0.810	0.400	0.360	0.369	0.244	0.295	0.309	0.283	0.293
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	10.7	4.2	7.5	8.1	4.0	3.6	3.7	2.4	3.0	3.1	2.8	2.9

Reactor Coolant System Leakage	10/00	11/00	12/00	1/01	2/01	3/01
Maximum leakage	0.281	0.280	0.110	0.100	0.120	0.199
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.8	2.8	1.1	1.0	1.2	2.0

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

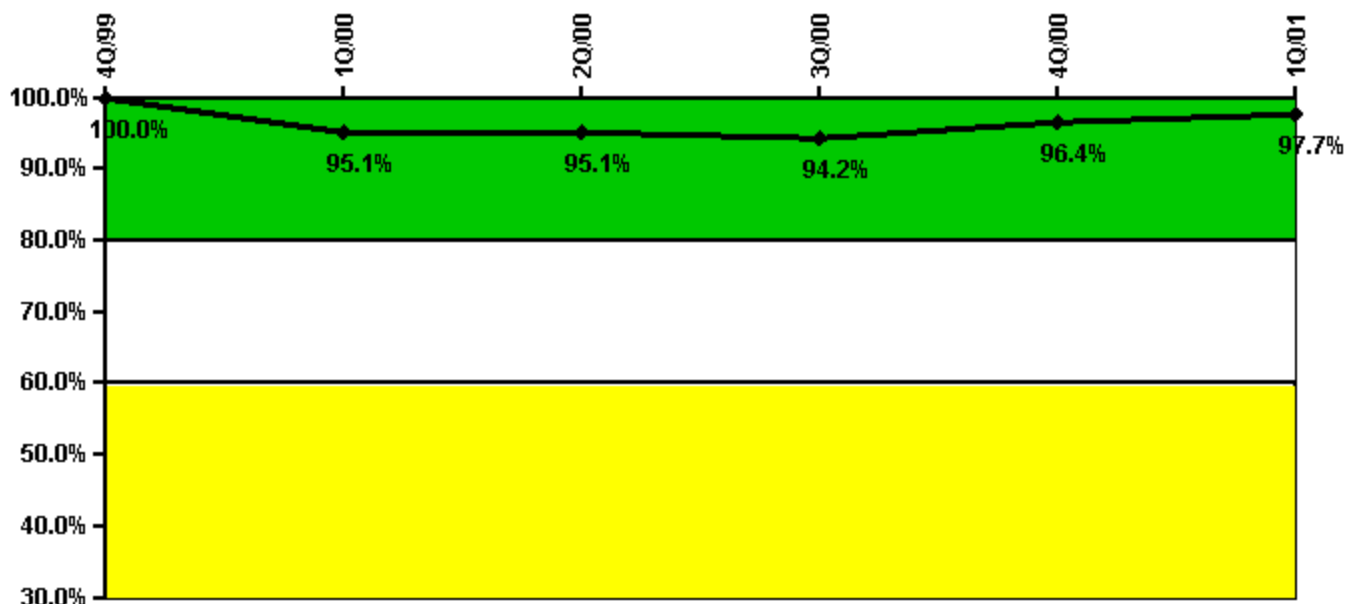
Notes

Drill/Exercise Performance	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful opportunities	26.0	25.0	23.0	20.0	35.0	50.0
Total opportunities	27.0	26.0	24.0	22.0	36.0	52.0
Indicator value	98.5%	98.2%	98.0%	96.8%	95.4%	94.6%

Licensee Comments:

1Q/01: Jan. 2001 totals revised based on an error made during review of drill critique and further reviews of January drill data. After corrections, the indicator remains in the Green band.

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	96.0	77.0	78.0	81.0	81.0	84.0
Total Key personnel	96.0	81.0	82.0	86.0	84.0	86.0
Indicator value	100.0%	95.1%	95.1%	94.2%	96.4%	97.7%

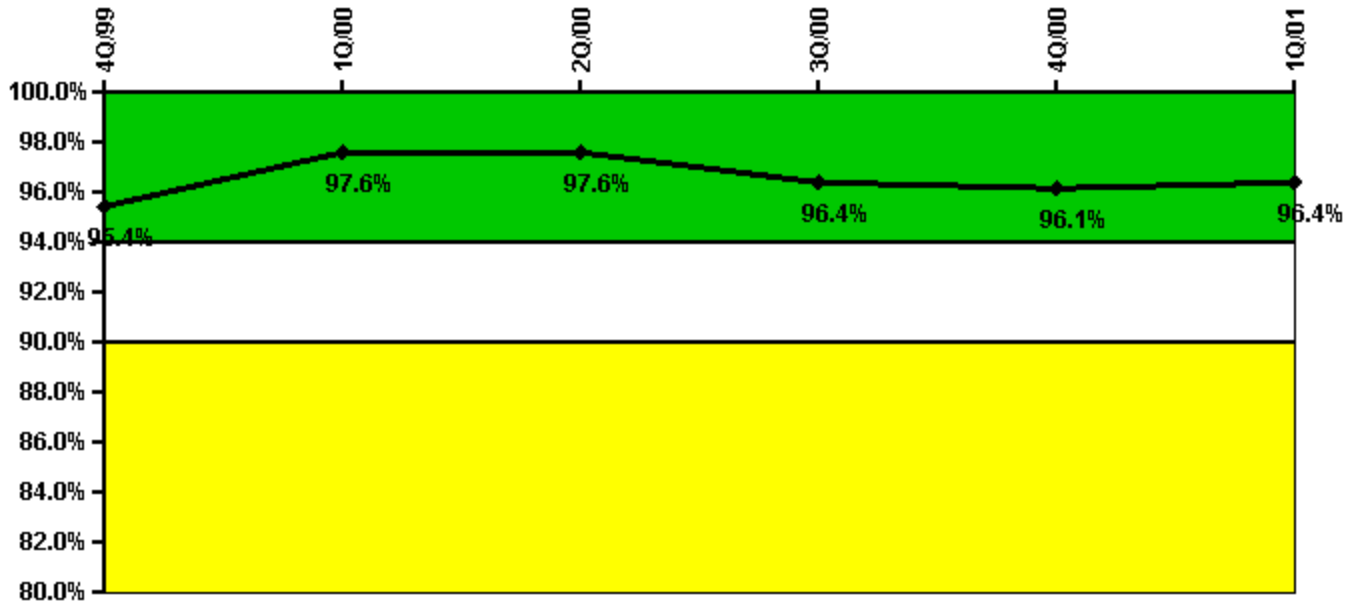
Licensee Comments:

1Q/01: Removed 3 SSs due them not being qualified to stand watch. Added 2 on-shift Dose Assessment Technicians and 1 Dose Assessment Coordinator. These do not result in a threshold change to the indicator.

4Q/00: One drill during quarter removed from PI due to prior knowledge of the scenario by one key member. Therefore, this person's participation could not be counted. After revision, the indicator remains in the green band and will not cross a threshold.

1Q/00: Removed 2 SSs due to becoming inactive in 1st Qtr. Also a math error was discovered adding 1 to total. These changes effect data in all quarters moving forward and do not result in a color change to the indicator.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

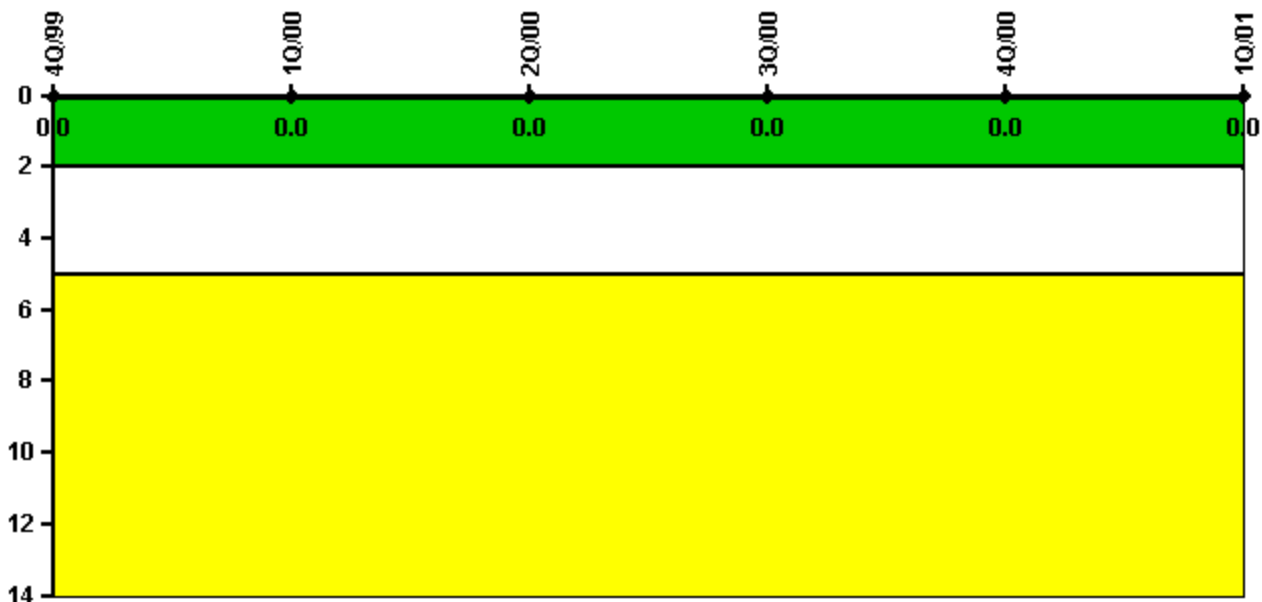
Notes

Alert & Notification System	4Q/99	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01
Successful siren-tests	83	79	83	79	82	80
Total sirens-tests	84	84	84	84	84	84
Indicator value	95.4%	97.6%	97.6%	96.4%	96.1%	96.4%

Licensee Comments:

1Q/01: Corrected 1Q2001 data after review of documentation guidelines during October 2001 inspection. After correction, the indicator remains in the Green band.

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



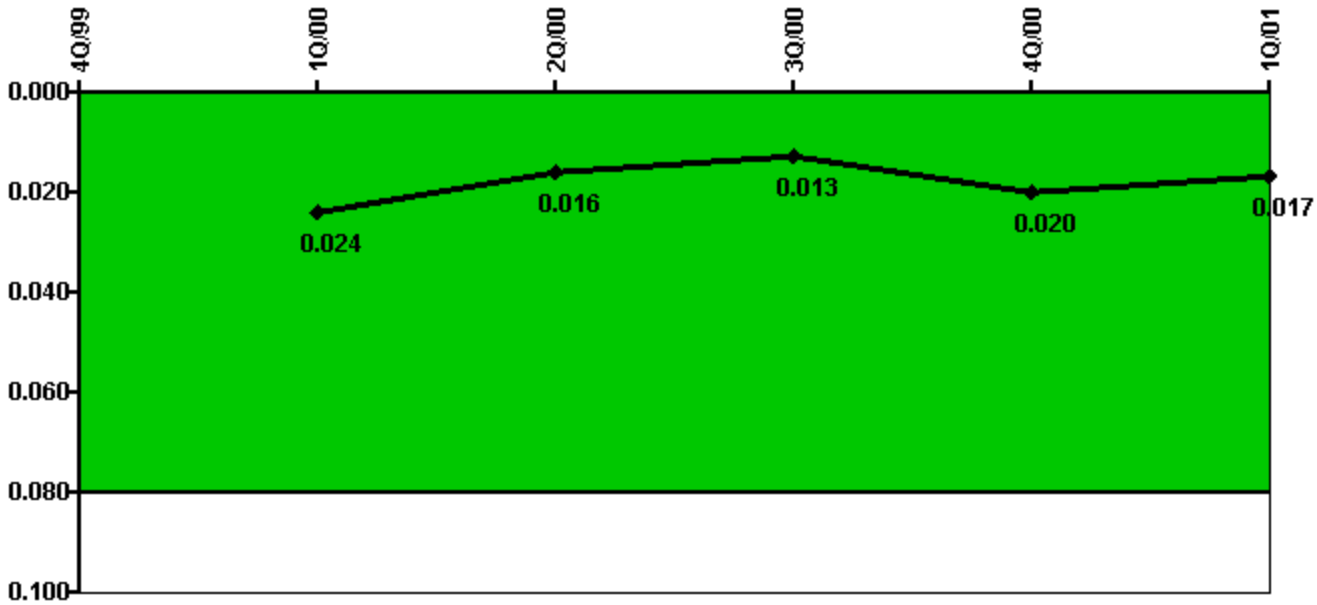
Thresholds: White > 1.0 Yellow > 3.0

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	21.90	93.70	46.60	60.20	216.10	89.50
CCTV compensatory hours	0	53.2	0	7.2	0.3	0.1
IDS normalization factor	1.40	1.40	1.40	1.40	1.40	1.40
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0
Index Value		0.024	0.016	0.013	0.020	0.017

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