

Browns Ferry 3

1Q/2000 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/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned scrams	0	0	0	0	0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0
Indicator value	0.9	0	0	0	0

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



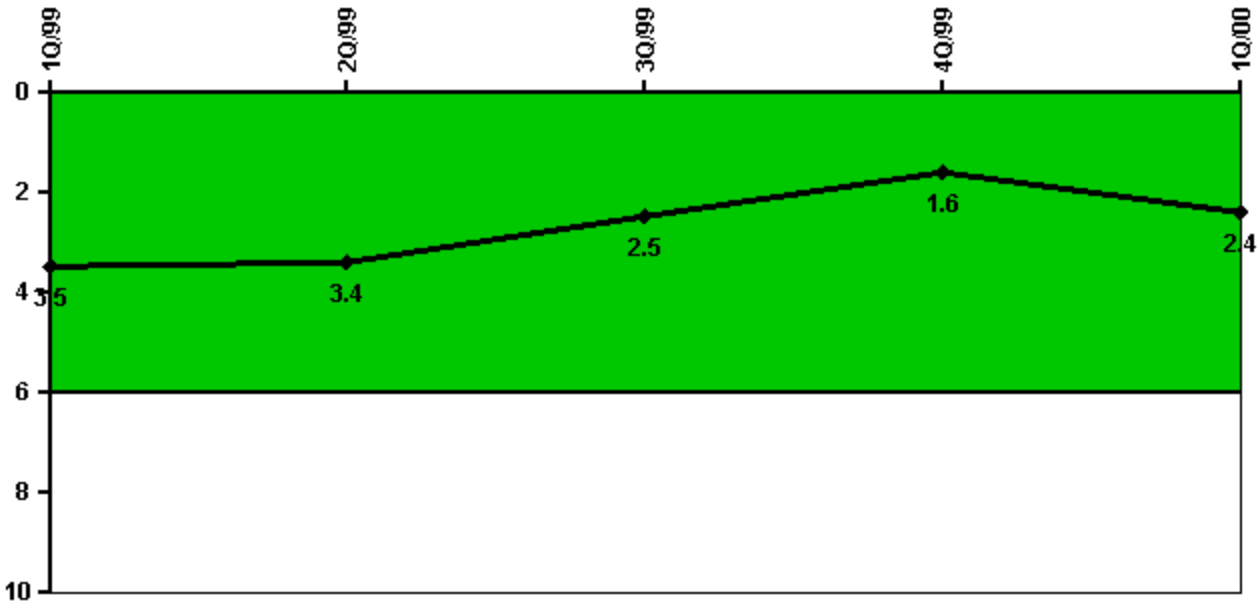
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

Scrams with Loss of Normal Heat Removal	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Scrams	0	0	0	0	0
Indicator value	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/99	2Q/99	3Q/99	4Q/99	1Q/00
Unplanned power changes	0	2.0	0	0	1.0
Critical hours	2160.0	2183.0	2208.0	2209.0	2184.0
Indicator value	3.5	3.4	2.5	1.6	2.4

Licensee Comments:

1Q/00: Revision to Jun-98, Aug-98, and JuL-99 due to typographical error. No color change.

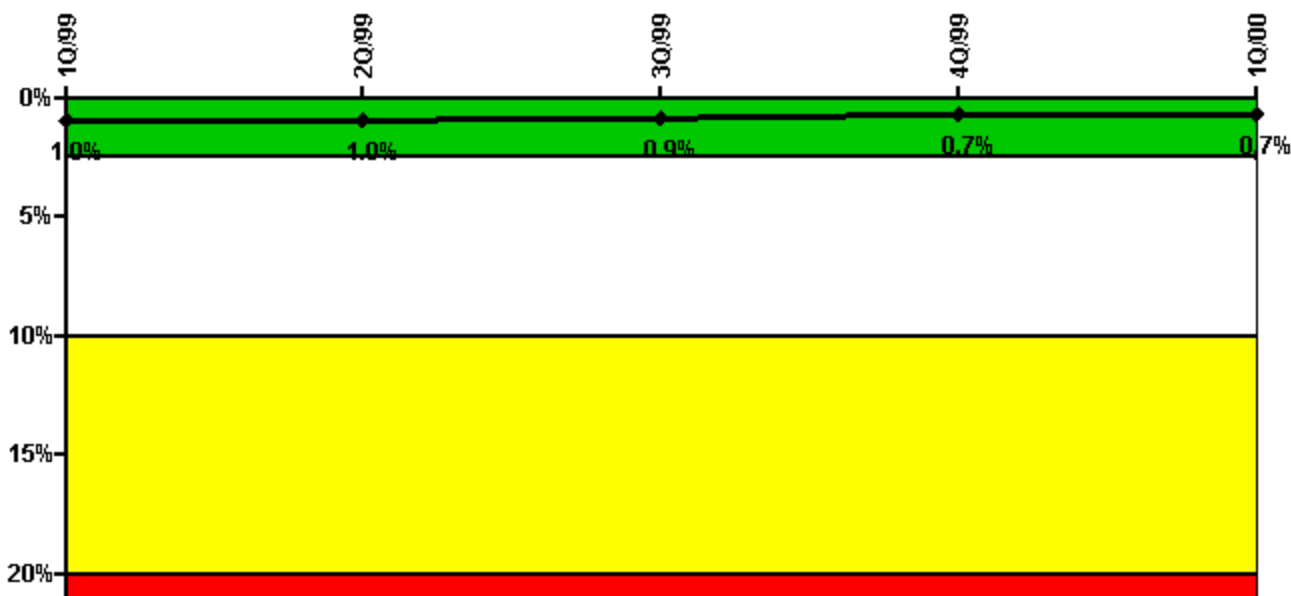
3Q/99: Revision to JuL-99 due to typographical error. No color change.

2Q/99: Added an additional unplanned power change that occurred in April that was not reported on the historical submittal. No color change.

3Q/98: Revision to Aug-98 due to typographical error. No color change.

2Q/98: Revision to Jun-98 due to typographical error. No color change.

Safety System Unavailability, Emergency AC Power, >2EDG



Thresholds: White > 2.5% Yellow > 10.0% Red > 20.0%

Notes

Safety System Unavailability, Emergency AC Power, >2EDG	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	2.90	9.60	21.40	9.00	2.50
Unplanned unavailable hours	0	0	19.80	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	10.10	0.90	27.20	2.60	2.30
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	2.20	5.00	24.70	9.90	2.40
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	1.50	2.70	25.90	4.00	2.90
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 5					
Planned unavailable hours	2.40	32.70	1.50	6.50	2.70
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0

Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 6					
Planned unavailable hours	33.20	10.80	8.60	1.60	2.40
Unplanned unavailable hours	0	0	0	40.60	2.00
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 7					
Planned unavailable hours	30.80	1.50	51.80	1.00	2.30
Unplanned unavailable hours	0	0	9.50	54.20	65.40
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Train 8					
Planned unavailable hours	15.60	2.10	4.50	2.40	2.50
Unplanned unavailable hours	0	0	25.90	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2135.00	2208.00	2209.00	2184.00
Indicator value	1.0%	1.0%	0.9%	0.7%	0.7%

Licensee Comments:

1Q/00: Revised Jan-98, Feb-98, Mar-98, May-98, Jun-98 data to remove hours for on-line planned overhaul maintenance. The color did not change.

2Q/98: Revision made to May-98 data to remove hours for on-line planned overhaul maintenance. The color did not change.

1Q/98: Revision made to Mar-98 data to remove hours for on-line planned overhaul maintenance. The color did not change.

Safety System Unavailability, High Pressure Injection System (HPCI)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0	24.00	3.00	0.50	1.50
Unplanned unavailable hours	9.00	36.75	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.6%	0.8%	0.7%	0.7%	0.5%

Licensee Comments:

1Q/00: On Apr-96, May-96, Sep-96, Oct-96, Feb-97, Mar-97, Apr-97, Oct-97, Apr-98, Sep-98, Oct-98, Apr-99 and Oct-99 number slightly refined based on engineering re-evaluation. No color change.

4Q/99: On Oct-99 number slightly refined based on engineering re-evaluation. No color change.

3Q/99: Changed quarterly values to monthly values. No color change.

2Q/99: On Apr-99 number slightly refined based on engineering re-evaluation. No color change.

1Q/99: Changed quarterly values to monthly values. No color change.

4Q/98: On Oct-98 number slightly refined based on engineering re-evaluation. No color change.

3Q/98: On Sep-98 number slightly refined based on engineering re-evaluation. No color change.

2Q/98: On Apr-98 number slightly refined based on engineering re-evaluation. No color change.

1Q/98: Changed quarterly values to monthly values. No color change.

4Q/97: On Oct-97 number slightly refined based on engineering re-evaluation. No color change.

3Q/97: Changed quarterly values to monthly values. No color change.

2Q/97: On Apr-97 number slightly refined based on engineering re-evaluation. No color change.

1Q/97: On Feb-97, Mar-97 numbers slightly refined based on engineering re-evaluation. No color change.

4Q/96: On Oct-96 number slightly refined based on engineering re-evaluation. No color change.

3Q/96: On Sep-96 number slightly refined based on engineering re-evaluation. No color change.

2Q/96: On Apr-96, May-96 numbers slightly refined based on engineering re-evaluation. No color change.

Safety System Unavailability, Heat Removal System (RCIC)



Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.17	0.12	0.20	20.70	5.37
Unplanned unavailable hours	0	0	0	8.70	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	4.4%	4.2%	4.2%	4.3%	4.3%

Licensee Comments:

1Q/00: Changes were made to Unit 3 RCIC unavailable hours on 8/13/97, 08/15/97, 11/5/97, 1/28/98, 4/22/98, 7/15/98, 10/16/98, 12/31/98,

3/24/99, 6/16/99, 9/8/99, 12/2/99, 2/24/00. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

4Q/99: Changes were made to Unit 3 RCIC unavailable hours on 12/2/99. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

3Q/99: Changes were made to Unit 3 RCIC unavailable hours on 9/8/99. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

2Q/99: Changes were made to Unit 3 RCIC unavailable hours on 6/16/99. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

1Q/99: Changes were made to Unit 3 RCIC unavailable hours on 3/24/99. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

4Q/98: Removed 905 fault exposure hours from Dec-98, in accordance with NEI 99-02 guidelines. Color changed from white to green.

4Q/98: Removed 905 fault exposure hours from Dec-98, in accordance with NEI 99-02 guidelines. Color changed from white to green.

4Q/98: Changes were made to Unit 3 RCIC unavailable hours on 10/16/98, 12/31/98. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

3Q/98: Changes were made to Unit 3 RCIC unavailable hours on 7/15/98. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

3Q/98: Changes made to required hours for Sep-98. No color change.

2Q/98: Changes were made to Unit 3 RCIC required hours for April. The changes do not affect the color of the indicator.

2Q/98: Changes were made to Unit 3 RCIC unavailable hours on 4/22/98. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

1Q/98: Changes were made to Unit 3 RCIC unavailable hours on 1/28/98. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

4Q/97: Changes were made to Unit 3 RCIC unavailable hours on 11/5/97. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

3Q/97: Changes were made to Unit 3 RCIC unavailable hours on 8/15/97. The previous data was based on a conservative estimate. The revised data reflects actual out-of-service time. The changes do not affect the color of the indicator.

2Q/97: Changed quarterly values to monthly values. No color change.

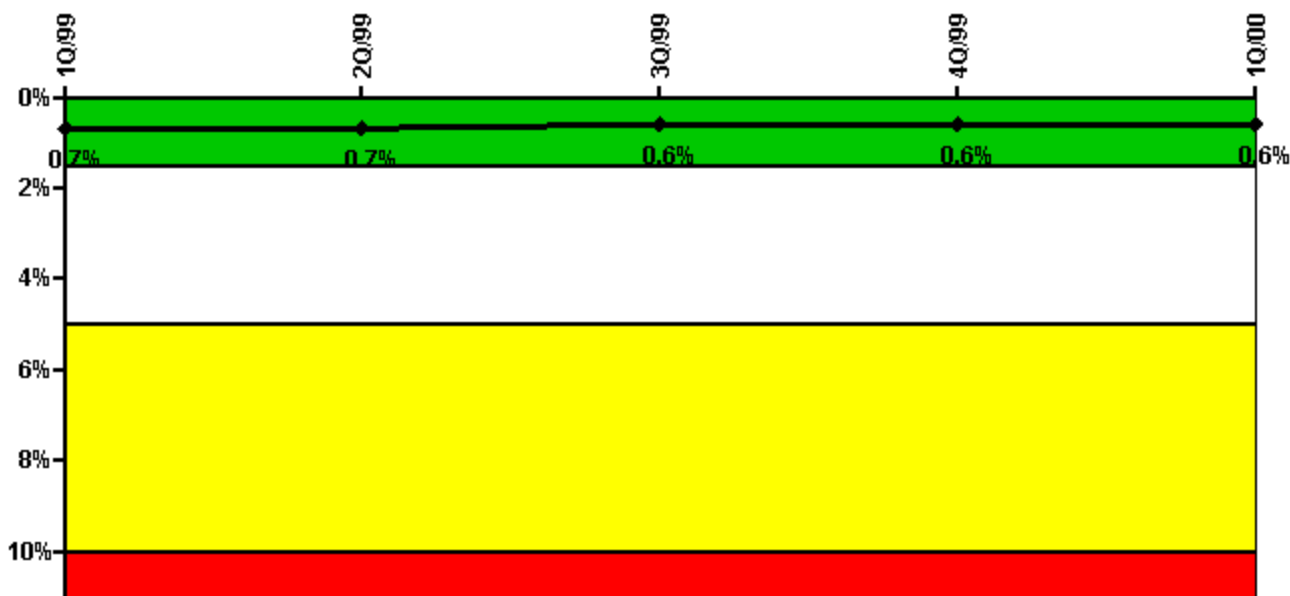
1Q/97: On Feb-97 and Mar-97 numbers slightly refined based on engineering re-evaluation. No color change.

4Q/96: On Oct-96 number slightly refined based on engineering re-evaluation. No color change.

3Q/96: On Sep-96 number slightly refined based on engineering re-evaluation. No color change.

2Q/96: On Apr-96 and May-96 numbers slightly refined based on engineering re-evaluation. No color change.

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/99	2Q/99	3Q/99	4Q/99	1Q/00
Train 1					
Planned unavailable hours	0.30	0.30	0.45	2.63	48.77
Unplanned unavailable hours	0	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 2					
Planned unavailable hours	0.30	0.30	0	6.99	13.27
Unplanned unavailable hours	0	0	3.29	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 3					
Planned unavailable hours	0.30	0.30	0.45	2.63	45.11
Unplanned unavailable hours	4.87	0	0	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Train 4					
Planned unavailable hours	0.30	0.30	0	0.66	20.27
Unplanned unavailable hours	0	0	3.29	0	0
Fault exposure hours	0	0	0	0	0
Effective Reset hours	0	0	0	0	0
Required hours	2160.00	2183.00	2208.00	2209.00	2184.00
Indicator value	0.7%	0.7%	0.6%	0.6%	0.6%

Licensee Comments:

1Q/00: On March, October, November, and December 1998, October, November, and December 1999, numbers slightly refined based on engineering re-evaluation. No color change.

1Q/00: Jan-00 removed hours for planned on-line overhaul maintenance. On March, October, November, and December 1998, October, November, and December 1999, numbers slightly refined based on engineering re-evaluation. No color change.

1Q/00: Jan-00 removed hours for planned on-line overhaul maintenance. On March, October, November, and December 1998, October, November, and December 1999, numbers slightly refined based on engineering re-evaluation. No color change.

4Q/99: On October, December 1999, number slightly refined based on engineering re-evaluation. No color change.

3Q/99: Changed quarterly values to monthly values. Removed hours for planned on-line overhaul maintenance. No color change.

3Q/99: Changed quarterly values to monthly values. No color change.

3Q/99: Changed quarterly values to monthly values. Removed hours for planned on-line overhaul maintenance. No color change.

2Q/99: Changed quarterly values to monthly values. No color change.

1Q/99: Changed quarterly values to monthly values. No color change.

1Q/99: Changed quarterly values to monthly values. No color change.

4Q/98: On October 1998, number slightly refined based on engineering re-evaluation. No color change.

4Q/98: On October 1998, number slightly refined based on engineering re-evaluation. No color change.

3Q/98: Changed quarterly values to monthly values. Removed hours for planned on-line overhaul maintenance. No color change.

3Q/98: Changed quarterly values to monthly values. No color change.

2Q/98: Changed quarterly values to monthly values. No color change.

2Q/98: Changed quarterly values to monthly values. May-98 removed hours for on-line planned overhaul maintenance. No color change.

1Q/98: On March 1998, number slightly refined based on engineering re-evaluation. No color change.

4Q/97: Changed quarterly values to monthly values. No color change.

3Q/97: Changed quarterly values to monthly values. No color change.

2Q/97: Changed quarterly values to monthly values. No color change.

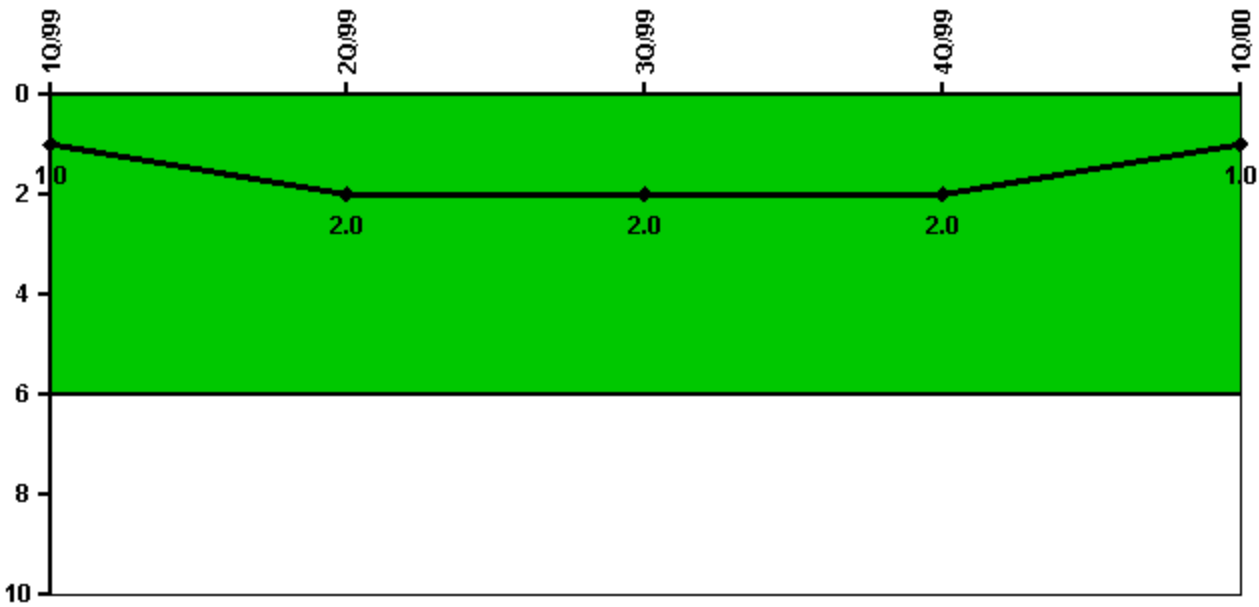
1Q/97: On February 1997, number slightly refined based on engineering re-evaluation. No color change.

4Q/96: Changed quarterly values to monthly values. No color change.

3Q/96: Changed quarterly values to monthly values. No color change.

2Q/96: Changed quarterly values to monthly values. No color change.

Safety System Functional Failures (BWR)



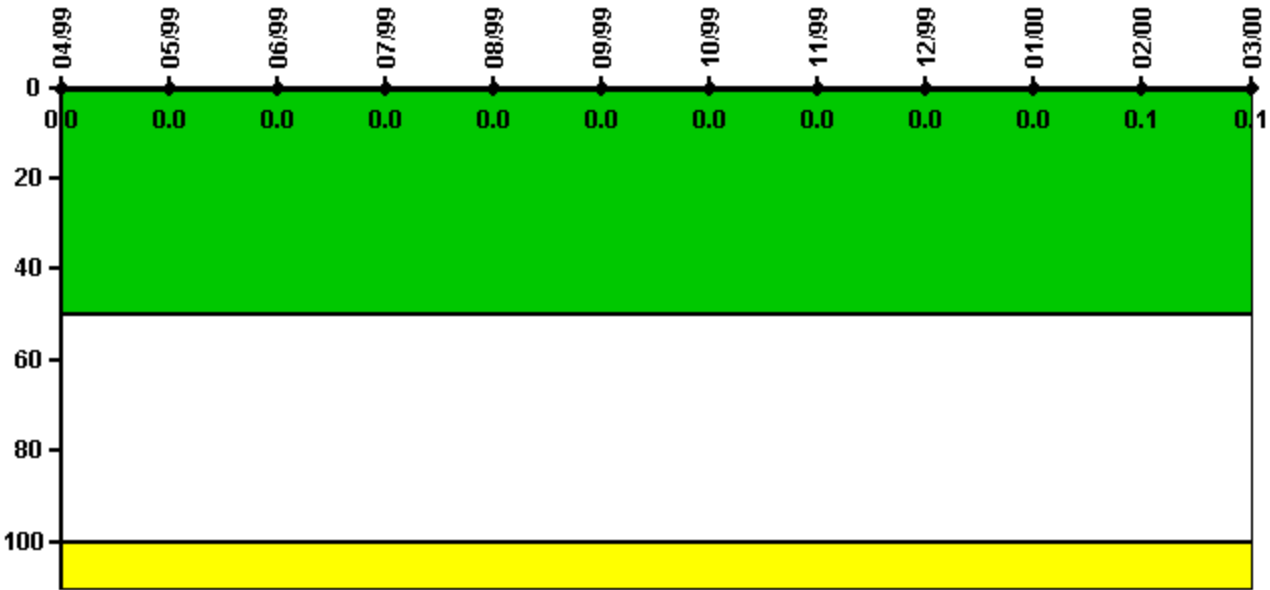
Thresholds: White > 6.0

Notes

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

Licensee Comments: none

Reactor Coolant System Activity



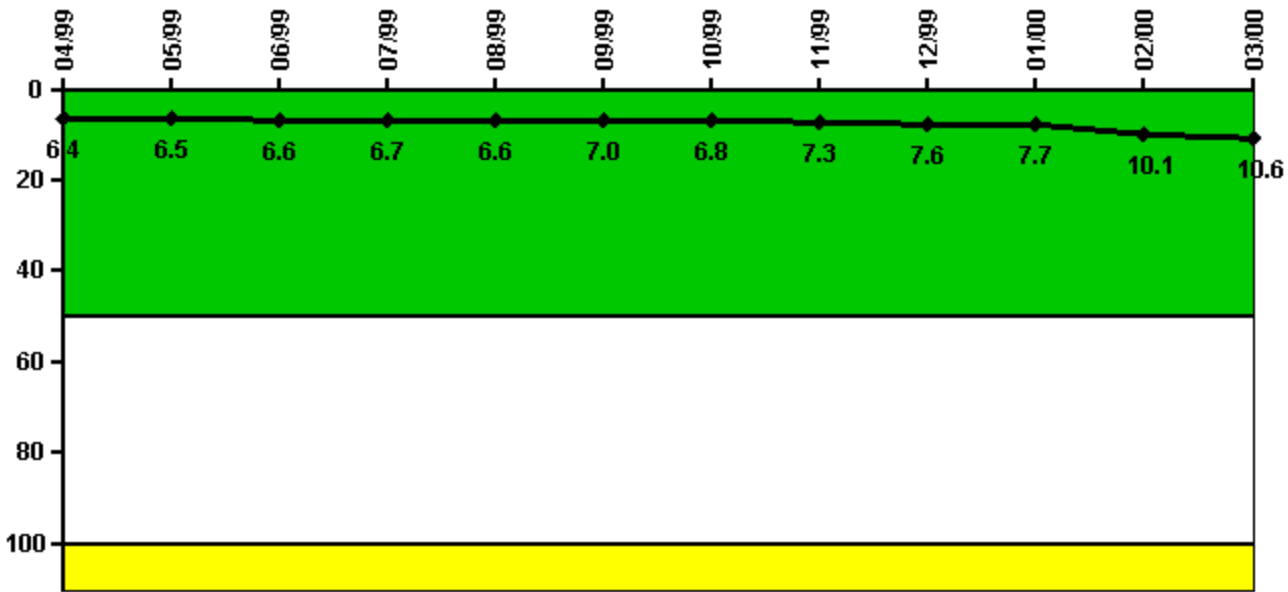
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum activity	0.000272	0.000324	0.000266	0.000246	0.000246	0.000169	0.000433	0.000173	0.000221	0.000281	0.002640	0.004145
Technical specification limit	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Indicator value	0	0	0	0	0	0	0	0	0	0	0.1	0.1

Licensee Comments: none

Reactor Coolant System Leakage



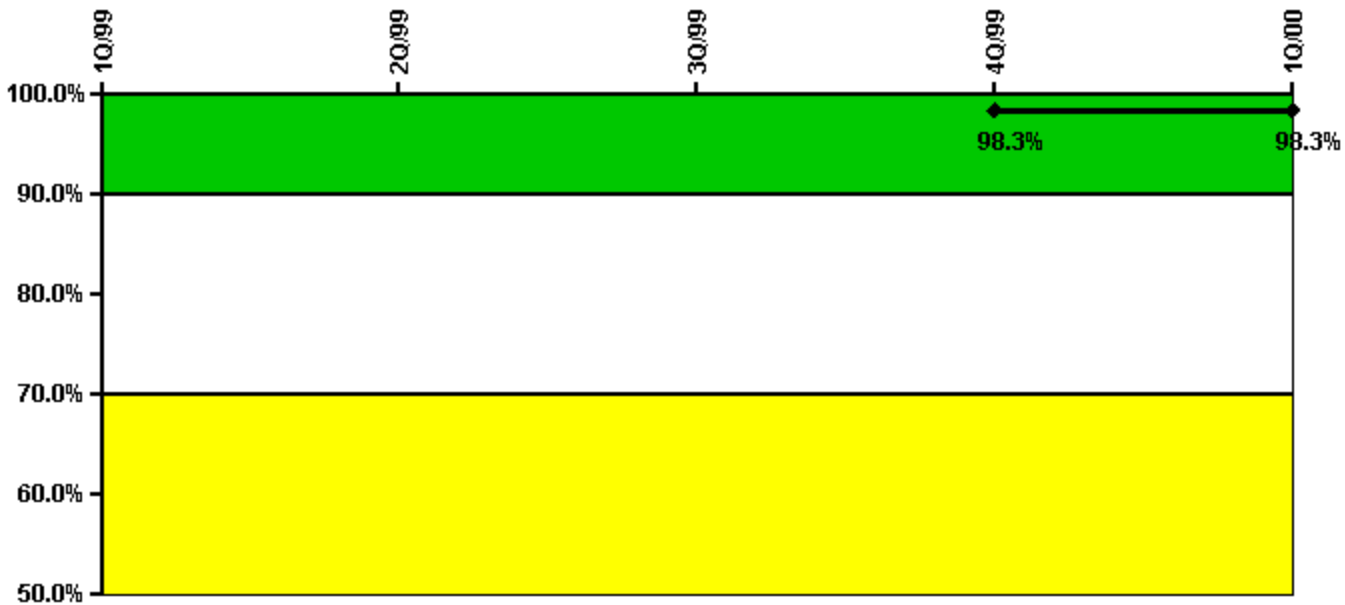
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	4/99	5/99	6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00
Maximum leakage	1.920	1.950	1.970	2.020	1.980	2.090	2.030	2.180	2.270	2.320	3.030	3.180
Technical specification limit	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
Indicator value	6.4	6.5	6.6	6.7	6.6	7.0	6.8	7.3	7.6	7.7	10.1	10.6

Licensee Comments: none

Drill/Exercise Performance



Thresholds: White < 90.0% Yellow < 70.0%

Notes

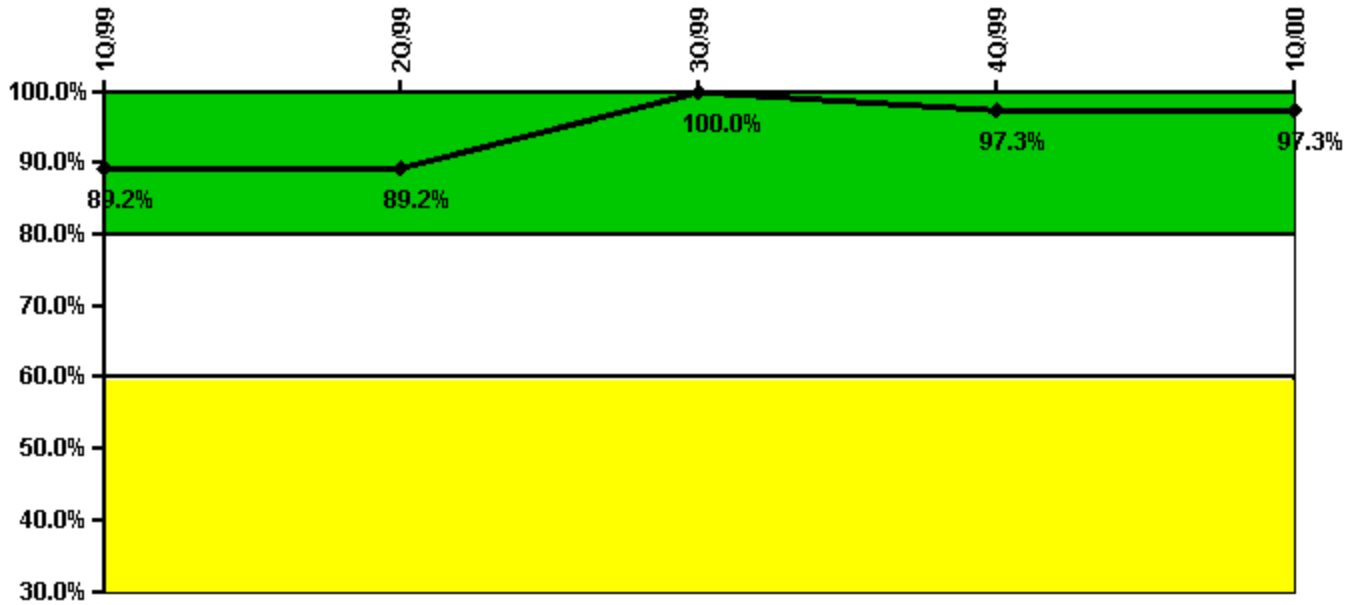
Drill/Exercise Performance	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful opportunities	8.0	9.0	8.0	52.0	0
Total opportunities	8.0	10.0	8.0	53.0	0
Indicator value				98.3%	98.3%

Licensee Comments:

1Q/00: The second quarter 1999 Drill/Exercise Performance PI, "Number of Successful Opportunities", was revised from 10 to 9. This was changed after clarification discussions with Region II NRC staff pertaining to a Protective Action Recommendation developed during an exercise conducted in May 1999. This change does not change the threshold for this PI (remains Green).

2Q/99: The second quarter 1999 Drill/Exercise Performance PI, "Number of Successful Opportunities", was revised from 10 to 9. This was changed after clarification discussions with Region II NRC staff pertaining to a Protective Action Recommendation developed during an exercise conducted in May 1999. This change does not change the threshold for this PI (remains Green).

ERO Drill Participation



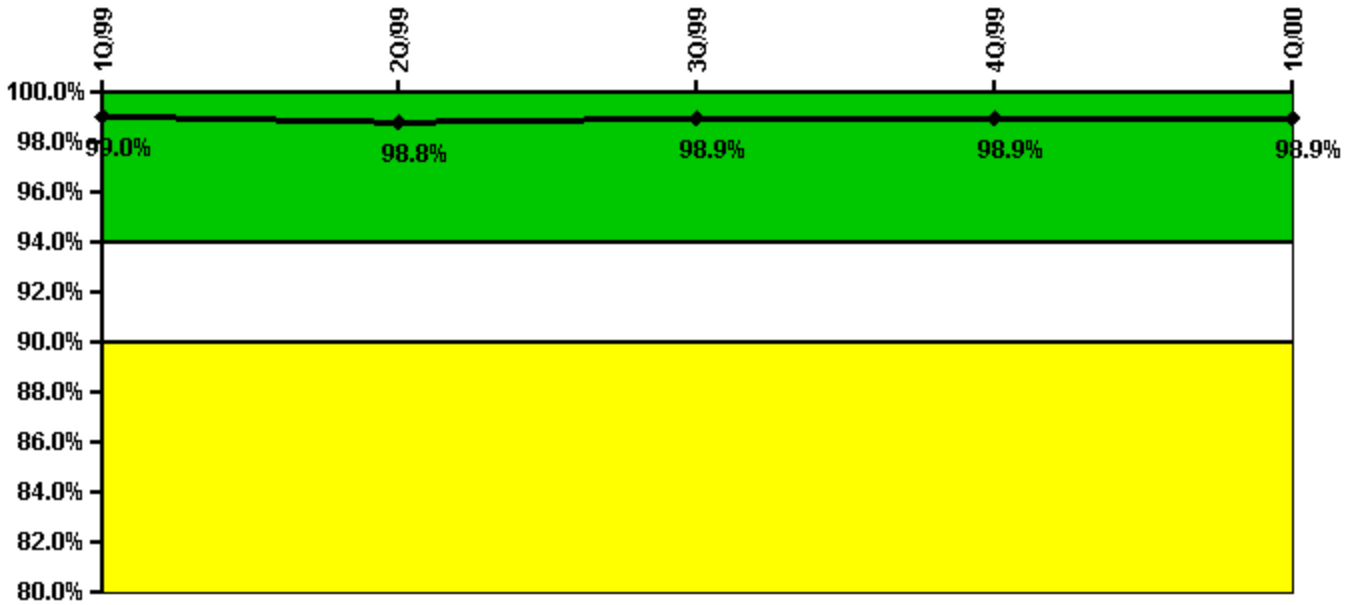
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Participating Key personnel	33.0	33.0	37.0	36.0	36.0
Total Key personnel	37.0	37.0	37.0	37.0	37.0
Indicator value	89.2%	89.2%	100.0%	97.3%	97.3%

Licensee Comments: none

Alert & Notification System



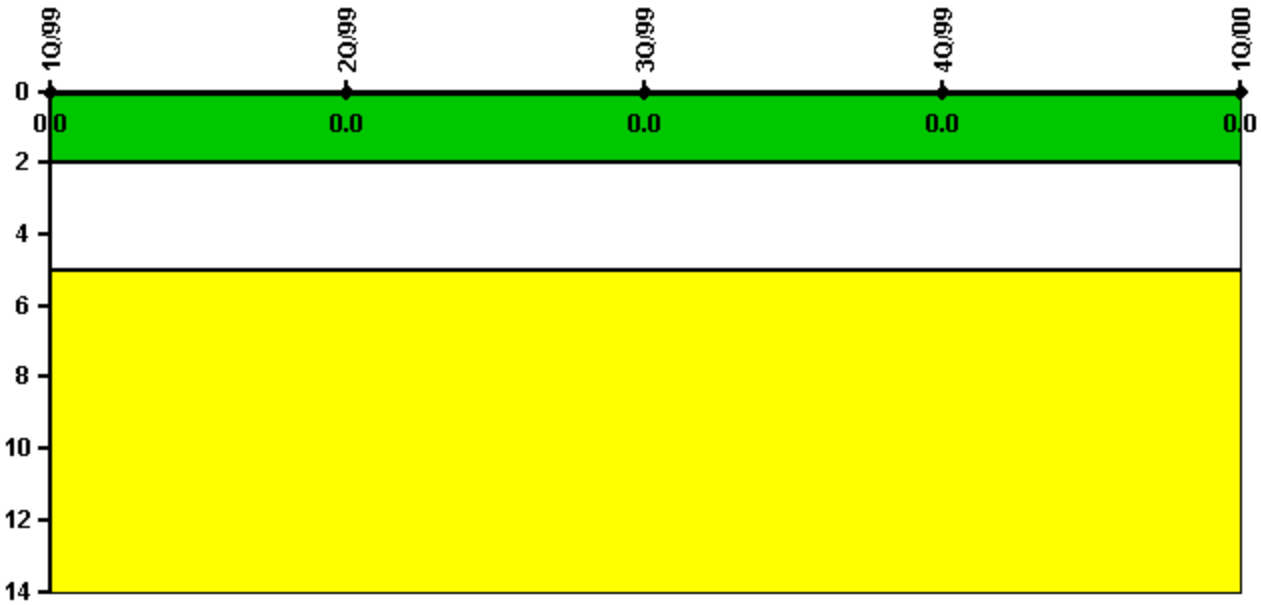
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
Successful siren-tests	988	691	994	691	788
Total sirens-tests	1000	700	1000	700	800
Indicator value	99.0%	98.8%	98.9%	98.9%	98.9%

Licensee Comments: none

Occupational Exposure Control Effectiveness



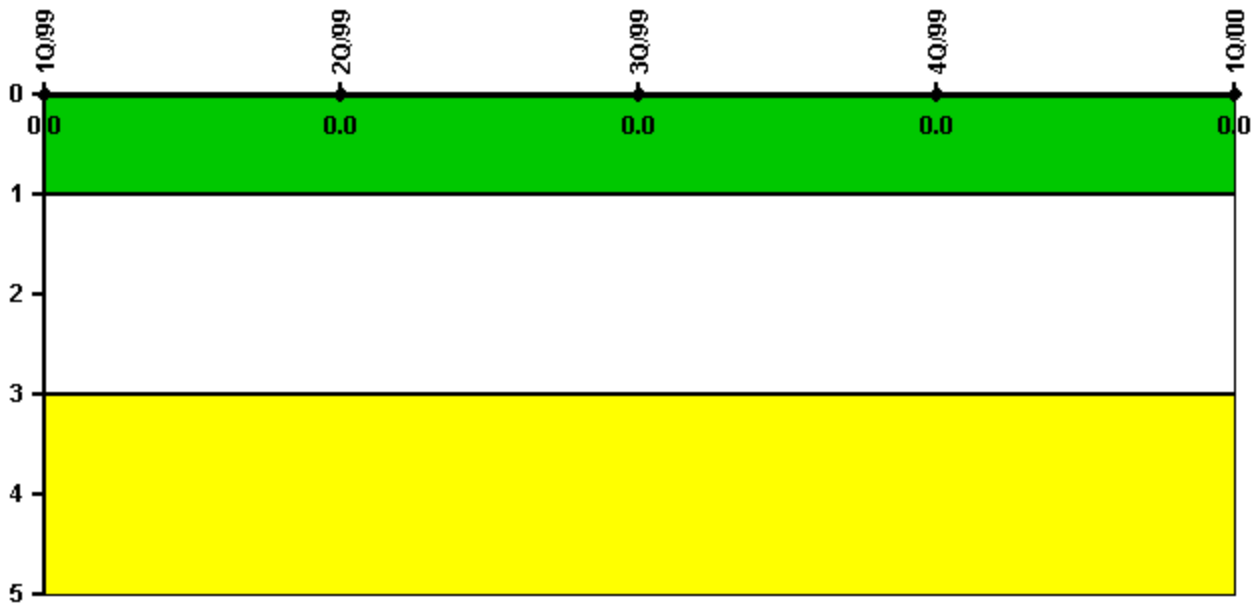
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

RETS/ODCM Radiological Effluent



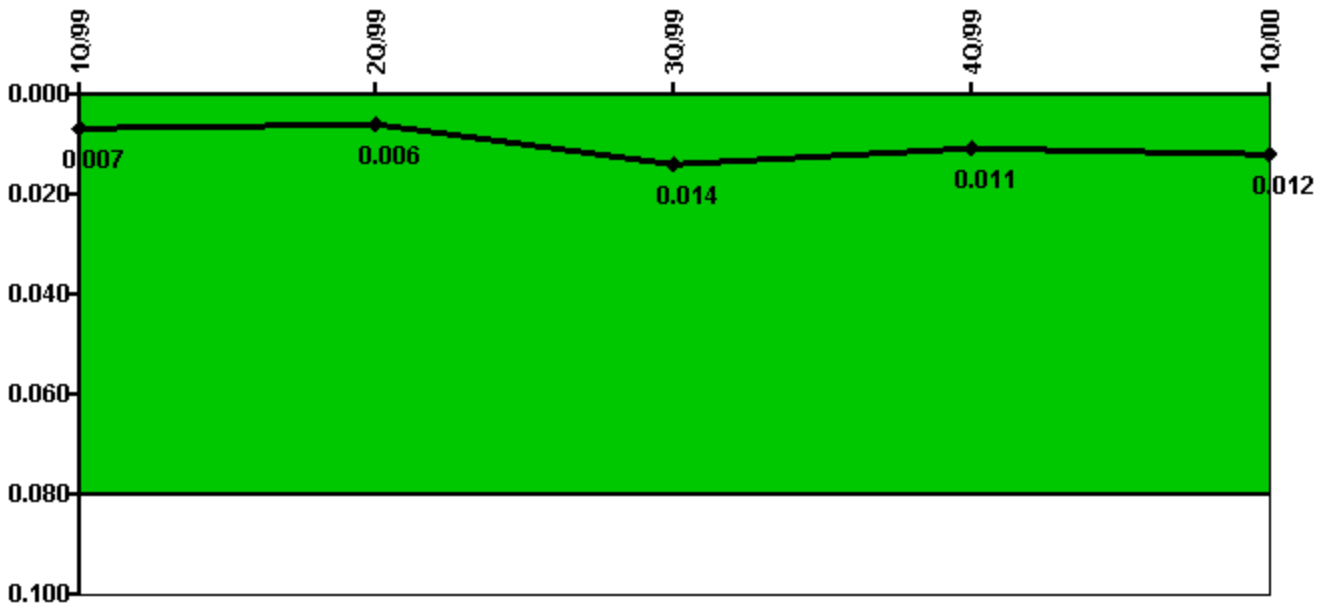
Thresholds: White > 1.0 Yellow > 3.0

Notes

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

Licensee Comments: none

Protected Area Security Performance Index



Thresholds: White > 0.080

Notes

Protected Area Security Performance Index	1Q/99	2Q/99	3Q/99	4Q/99	1Q/00
IDS compensatory hours	27.94	15.25	185.80	0	0
CCTV compensatory hours	2.9	17.0	119.5	0	37.7
IDS normalization factor	1.95	1.95	1.95	1.95	1.95
CCTV normalization factor	1.7	1.7	1.7	1.7	1.7
Index Value	0.007	0.006	0.014	0.011	0.012

Licensee Comments:

1Q/00: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

4Q/99: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

3Q/99: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

2Q/99: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

1Q/99: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

4Q/98: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

3Q/98: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

2Q/98: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

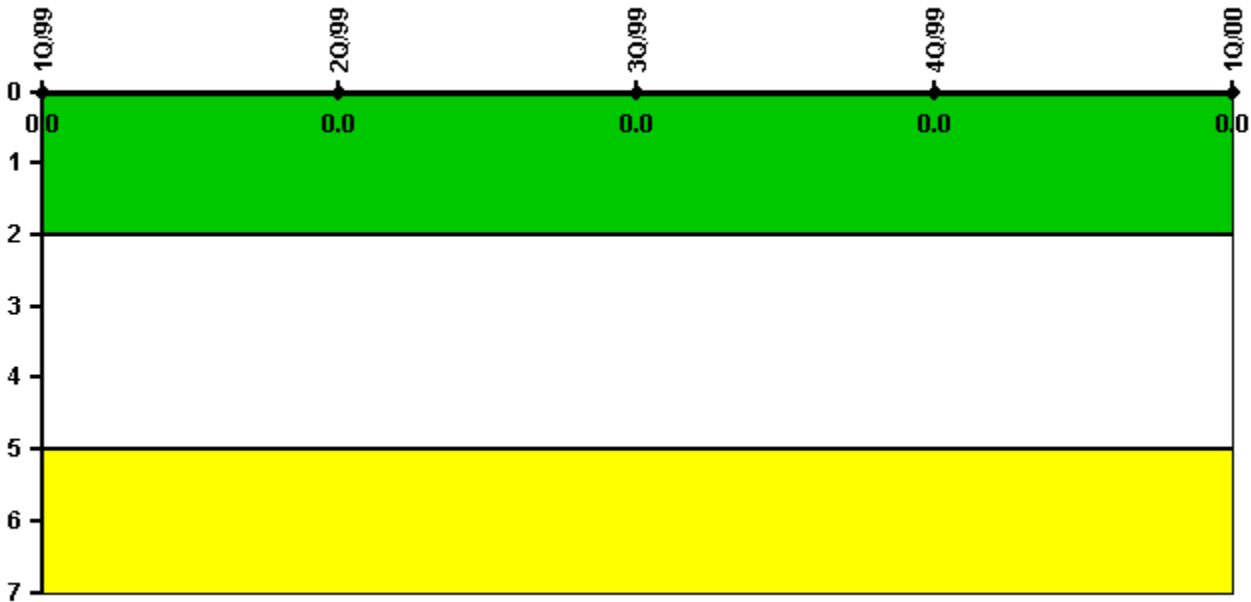
1Q/98: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

4Q/97: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

3Q/97: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected.

2Q/97: The IDS and CCTV Normalization Factors were inadvertently transposed in the historical submittal of January 21,2000. These factors have been corrected. No color change.

Personnel Screening Program



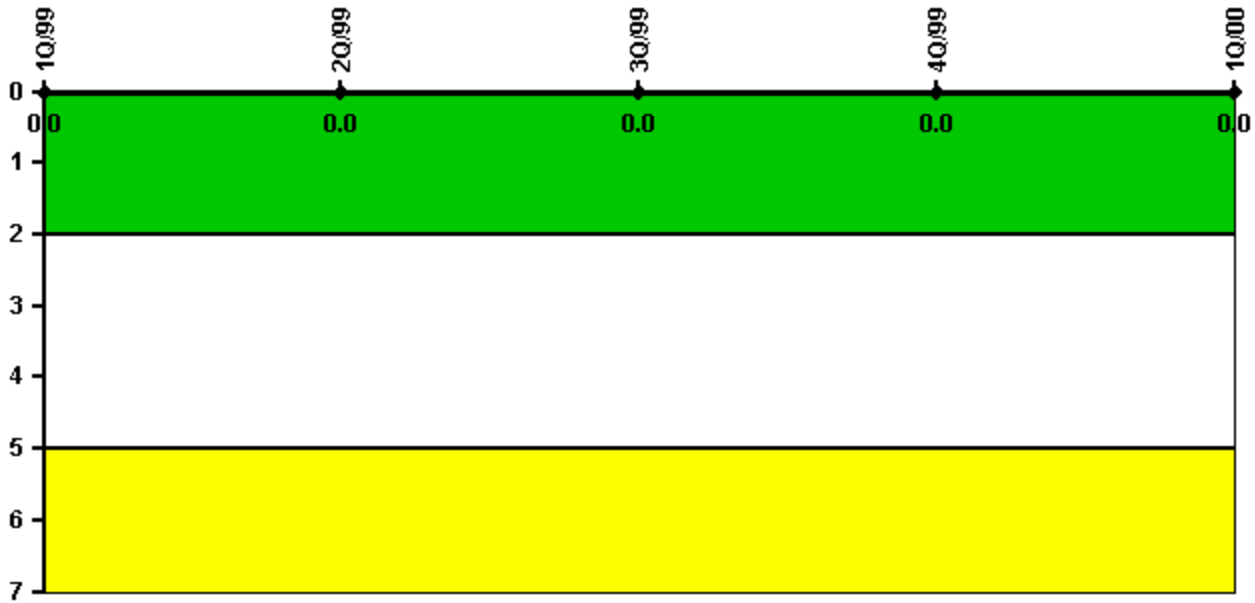
Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

FFD/Personnel Reliability



Thresholds: White > 2.0 Yellow > 5.0

Notes

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

Licensee Comments: none

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

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