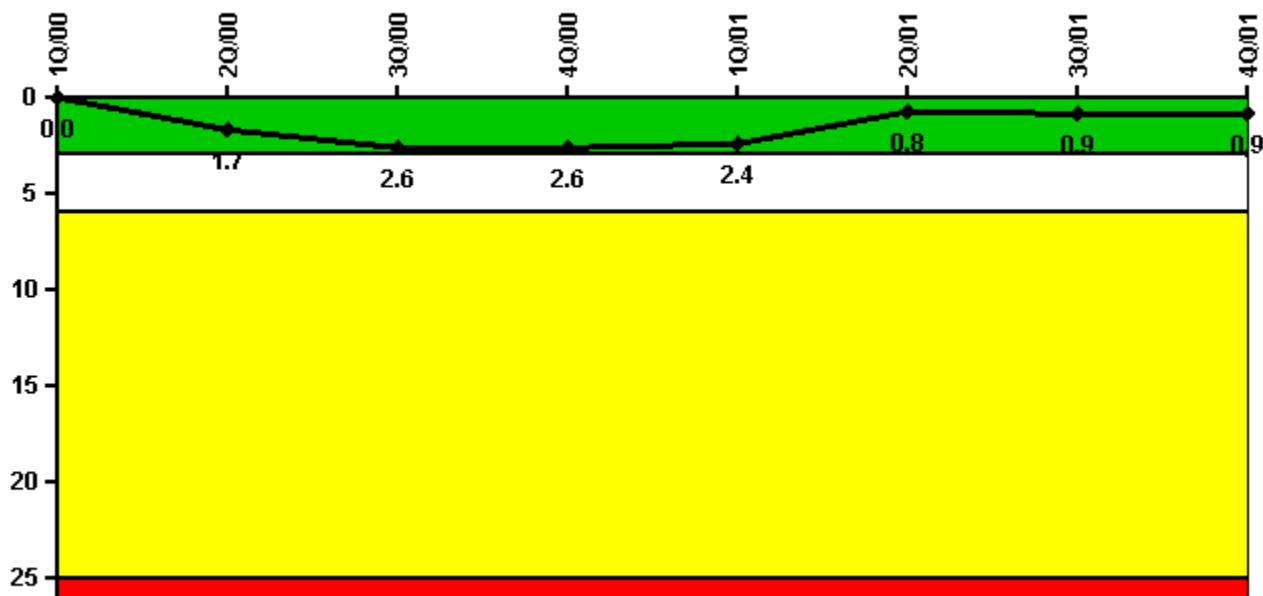


Quad Cities 2

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	2.0	1.0	0	0	0	1.0	0
Critical hours	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0
Indicator value	0	1.7	2.6	2.6	2.4	0.8	0.9	0.9

Licensee Comments: none

Scrams with Loss of Normal Heat Removal



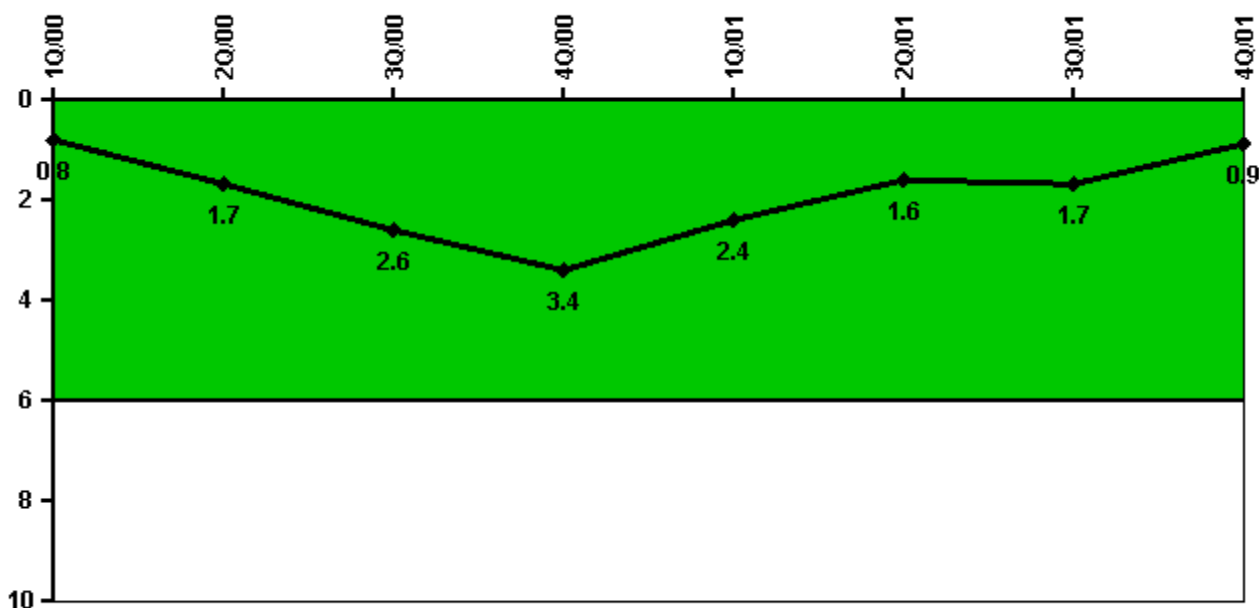
Thresholds: White > 2.0 Yellow > 10.0 Red > 20.0

Notes

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

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



Thresholds: White > 6.0

Notes

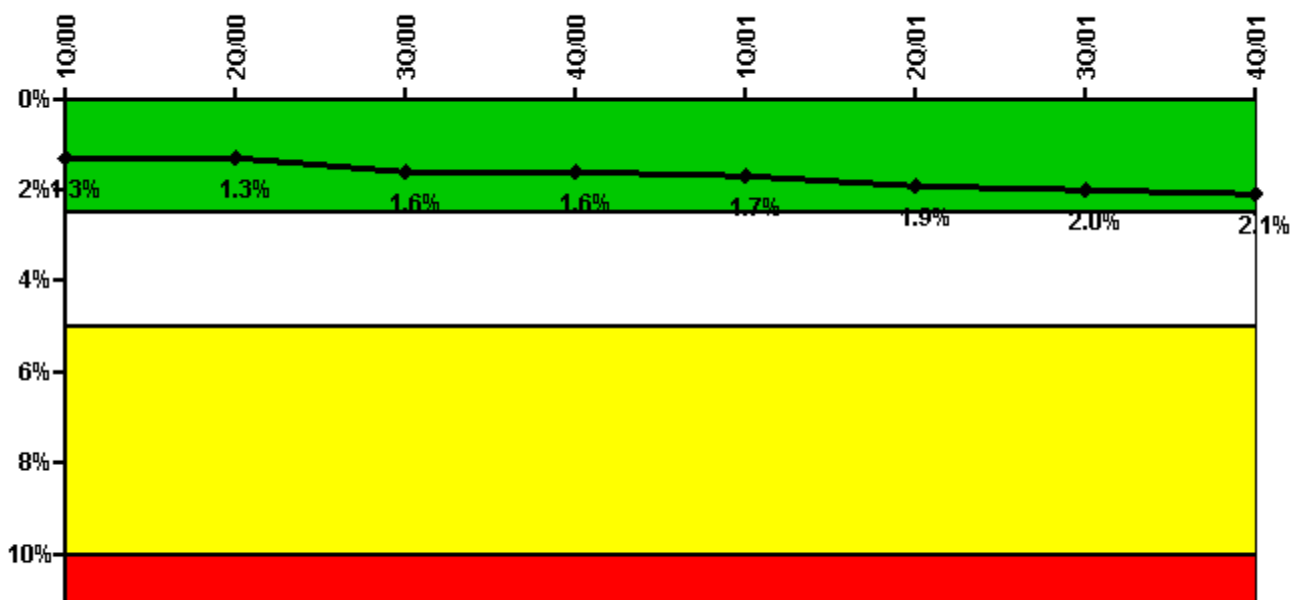
Unplanned Power Changes per 7000 Critical Hrs	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Unplanned power changes	1.0	1.0	1.0	1.0	0	0	1.0	0
Critical hours	1688.2	2132.0	2181.0	2209.0	2097.5	2183.0	1616.2	2209.0
Indicator value	0.8	1.7	2.6	3.4	2.4	1.6	1.7	0.9

Licensee Comments:

4Q/01: With this 4th quarter 2001 submittal, the July 2001 data was changed to include a power change that occurred as a result of environmental effects. An FAQ was submitted in November 2001, and is currently under review.

3Q/01: An FAQ has been submitted for this indicator. During third quarter 2001, the station dropped power greater than 20% on one occasion due to river water temperature. The power change was anticipated in accordance with station procedures, but due to the complexity of predicting river temperature could not be specifically planned 72 hours in advance. The FAQ was submitted in accordance with the guidance of NEI 99-02, Revision 1. {Note - With the fourth quarter 2001 submittal, the July 2001 data was changed to include a power change that occurred as a result of environmental effects. An FAQ was submitted in November 2001, and is currently under review.}

Safety System Unavailability, Emergency AC Power



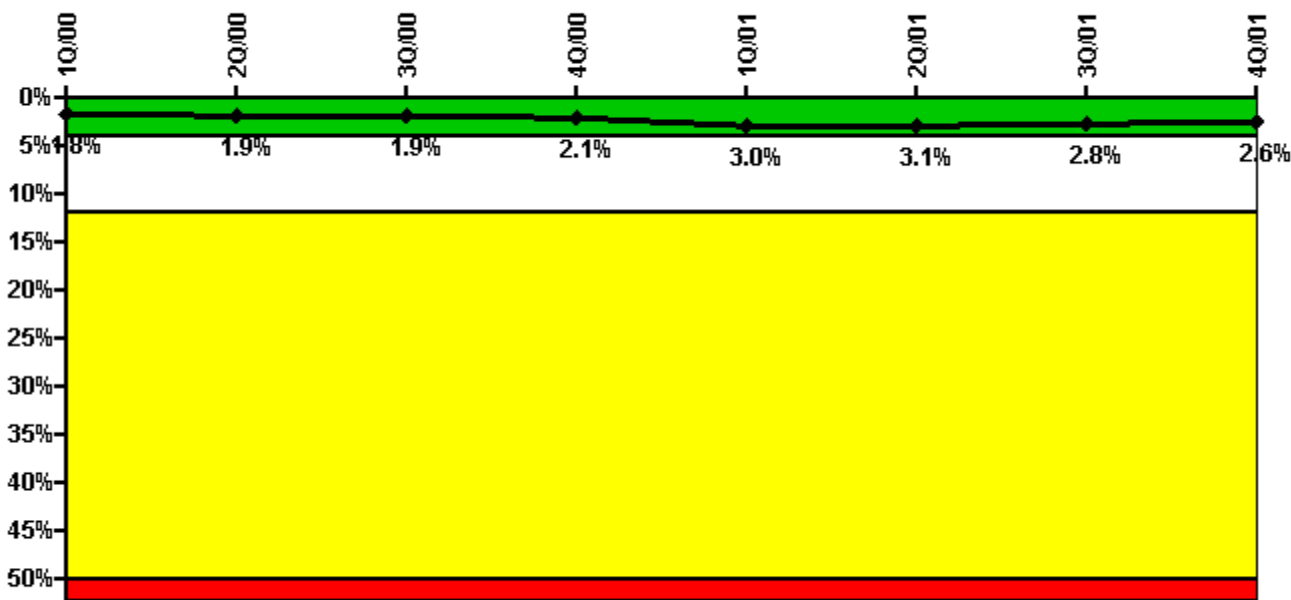
Thresholds: White > 2.5% Yellow > 5.0% Red > 10.0%

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	36.53	72.54	52.84	14.39	77.72	47.60	23.15	8.58
Unplanned unavailable hours	0	0	58.18	0	0	78.30	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	11.23	11.32	69.70	64.85	33.45	57.50	23.77	20.97
Unplanned unavailable hours	0	0	3.30	0	2.62	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	1.3%	1.3%	1.6%	1.6%	1.7%	1.9%	2.0%	2.1%

Licensee Comments: none

Safety System Unavailability, High Pressure Injection System (HPCI)



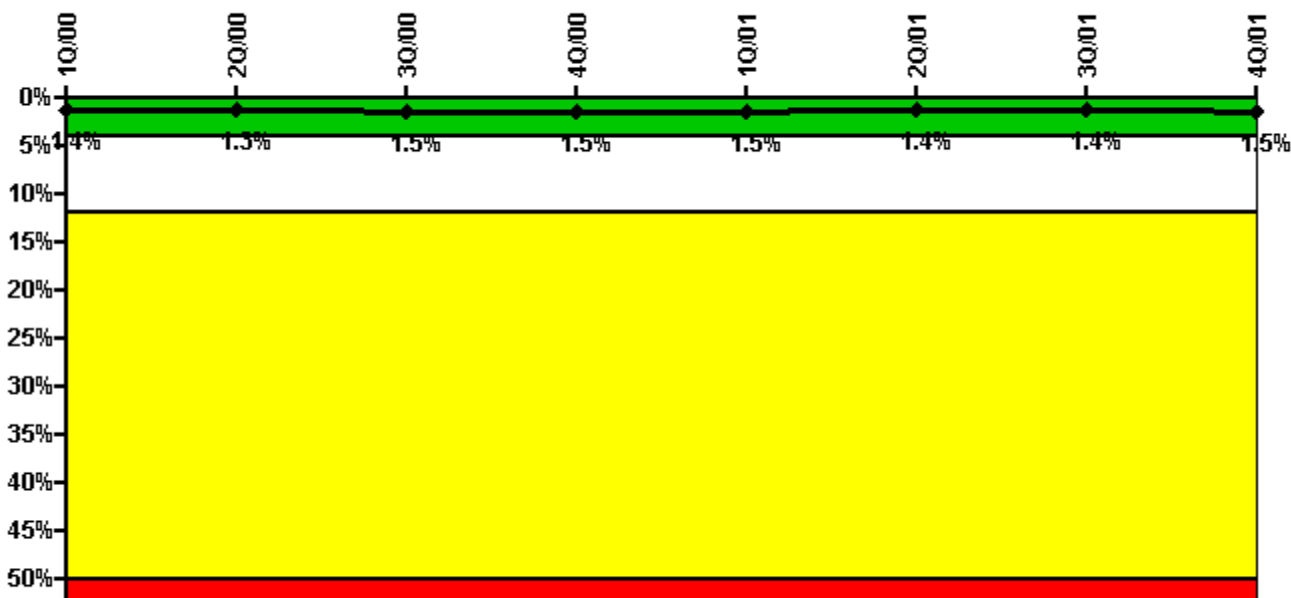
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, High Pressure Injection System (HPCI)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	6.52	76.61	6.15	86.86	71.66	10.50	4.79	5.97
Unplanned unavailable hours	0.72	0	0	0	195.83	42.81	0	0
Fault exposure hours	1.67	0	0	0	0	0	0	0
Effective Reset hours	0	0	0	0	0	0	0	0
Required hours	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00
Indicator value	1.8%	1.9%	1.9%	2.1%	3.0%	3.1%	2.8%	2.6%

Licensee Comments: none

Safety System Unavailability, Heat Removal System (RCIC)



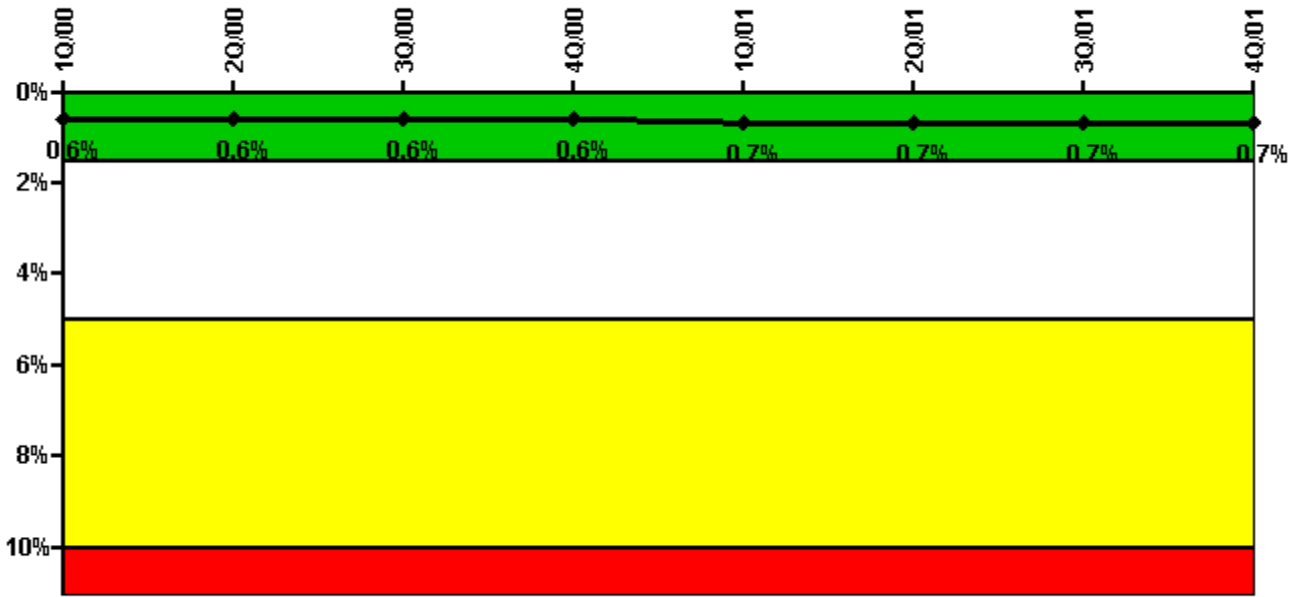
Thresholds: White > 4.0% Yellow > 12.0% Red > 50.0%

Notes

Safety System Unavailability, Heat Removal System (RCIC)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Train 1								
Planned unavailable hours	10.34	23.44	47.53	23.26	34.53	11.78	3.33	51.60
Unplanned unavailable hours	0.80	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	1688.20	2132.00	2181.00	2209.00	2097.50	2183.00	1616.20	2209.00
Indicator value	1.4%	1.3%	1.5%	1.5%	1.5%	1.4%	1.4%	1.5%

Licensee Comments: none

Safety System Unavailability, Residual Heat Removal System



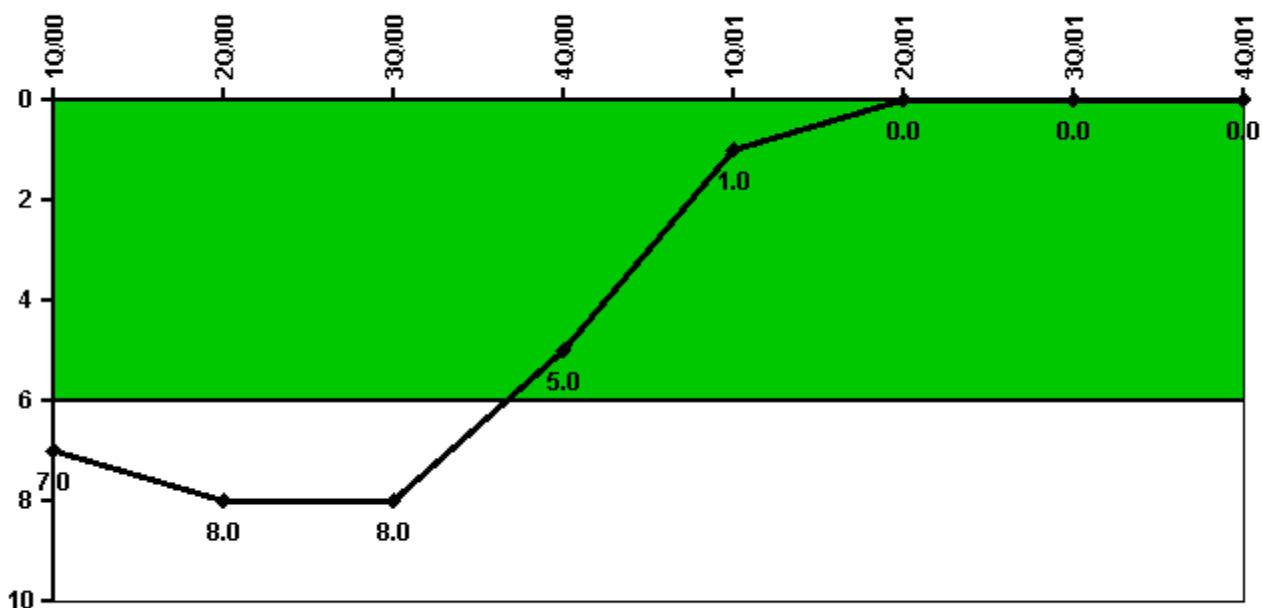
Thresholds: White > 1.5% Yellow > 5.0% Red > 10.0%

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	0	0.05	0	19.37	19.15	0	3.88	0
Unplanned unavailable hours	3.83	0	0.47	0	0	0	0	0
Fault exposure hours	161.87	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	0	0	2.13	9.62	16.73	5.20	0	4.03
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	0.6%	0.6%	0.6%	0.6%	0.7%	0.7%	0.7%	0.7%

Licensee Comments: none

Safety System Functional Failures (BWR)



Thresholds: White > 6.0

Notes

Safety System Functional Failures (BWR)	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Safety System Functional Failures	4	1	0	0	0	0	0	0
Indicator value	7	8	8	5	1	0	0	0

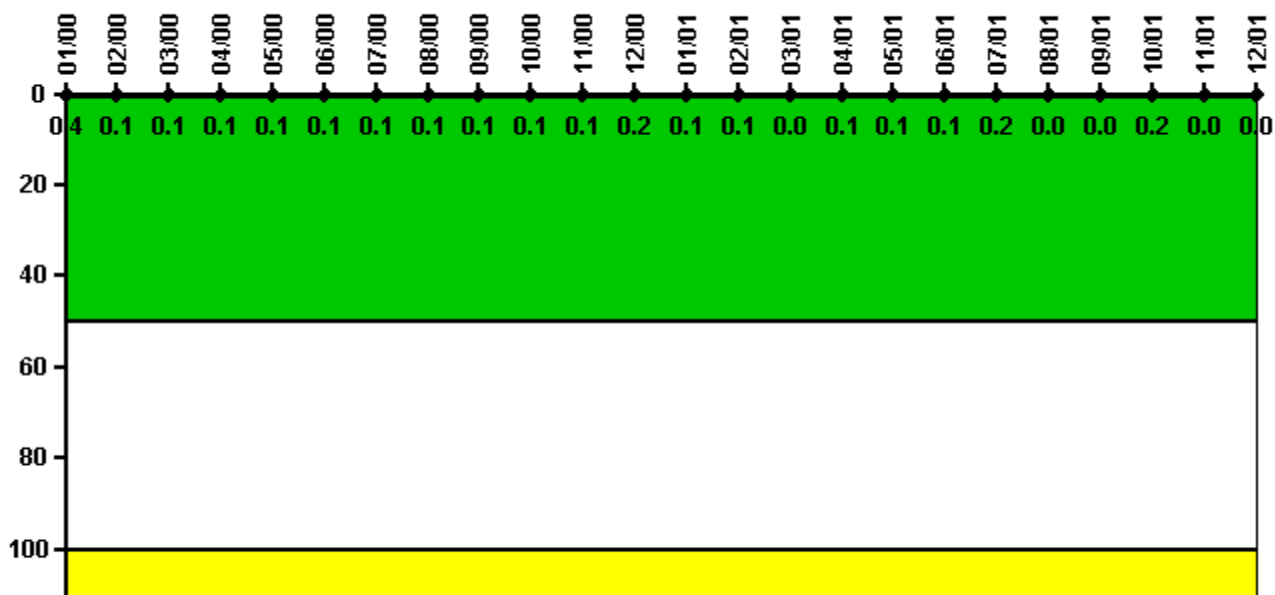
Licensee Comments:

4Q/01: One Safety System Functional Failure concerning Emergency Diesel Generator vent fan power select switch was withdrawn from the first quarter 2000 data and one Safety System Functional Failure concerning the Safe Shutdown Makeup Pump was withdrawn from the fourth quarter 2000 data. This was done in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.

4Q/00: One Safety System Functional Failure has been added to the fourth quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, the abovementioned Safety System Functional Failure was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

1Q/00: Two Safety System Functional Failures have been added to the first quarter 2000 indicator in response to Inspection Report 50-265/01-08. Licensee review of the events is ongoing. {With the fourth quarter 2001 submittal, one of the two abovementioned Safety System Functional Failures was withdrawn in accordance with a 12/4/01 NRC letter concerning IR 50-254(265)/01-08.}

Reactor Coolant System Activity



Thresholds: White > 50.0 Yellow > 100.0

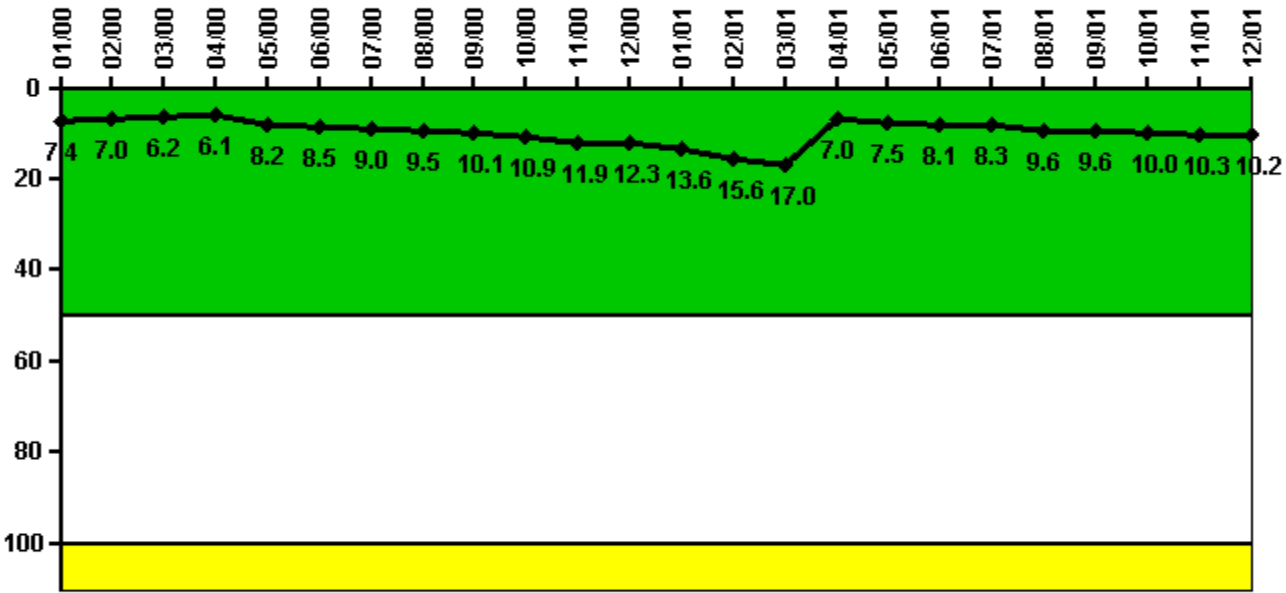
Notes

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	0.000805	0.000104	0.000196	0.000264	0.000273	0.000168	0.000225	0.000207	0.000186	0.000247	0.000129	0.000355
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.000109	0.000143	0.000088	0.000107	0.000136	0.000235	0.000333	0.000093	0.000097	0.000313	0.000080	0.000076
Technical specification limit	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indicator value	0.1	0.1	0	0.1	0.1	0.1	0.2	0	0	0.2	0	0

Licensee Comments: none

Reactor Coolant System Leakage



Thresholds: White > 50.0 Yellow > 100.0

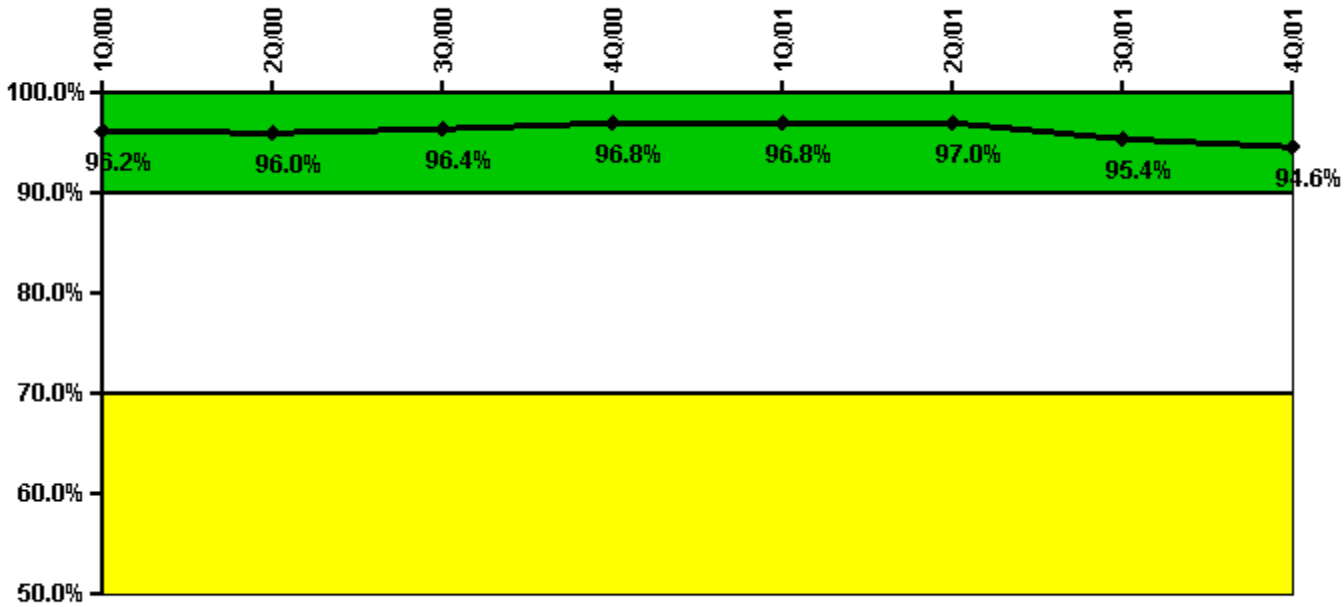
Notes

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	1.850	1.740	1.540	1.530	2.040	2.120	2.260	2.380	2.530	2.720	2.970	3.080
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	7.4	7.0	6.2	6.1	8.2	8.5	9.0	9.5	10.1	10.9	11.9	12.3

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	3.400	3.910	4.250	1.740	1.880	2.020	2.080	2.400	2.400	2.500	2.570	2.560
Technical specification limit	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Indicator value	13.6	15.6	17.0	7.0	7.5	8.1	8.3	9.6	9.6	10.0	10.3	10.2

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	15.0	59.0	50.0	39.0	0	45.0	7.0	47.0
Total opportunities	17.0	62.0	53.0	39.0	0	46.0	10.0	50.0
Indicator value	96.2%	96.0%	96.4%	96.8%	96.8%	97.0%	95.4%	94.6%

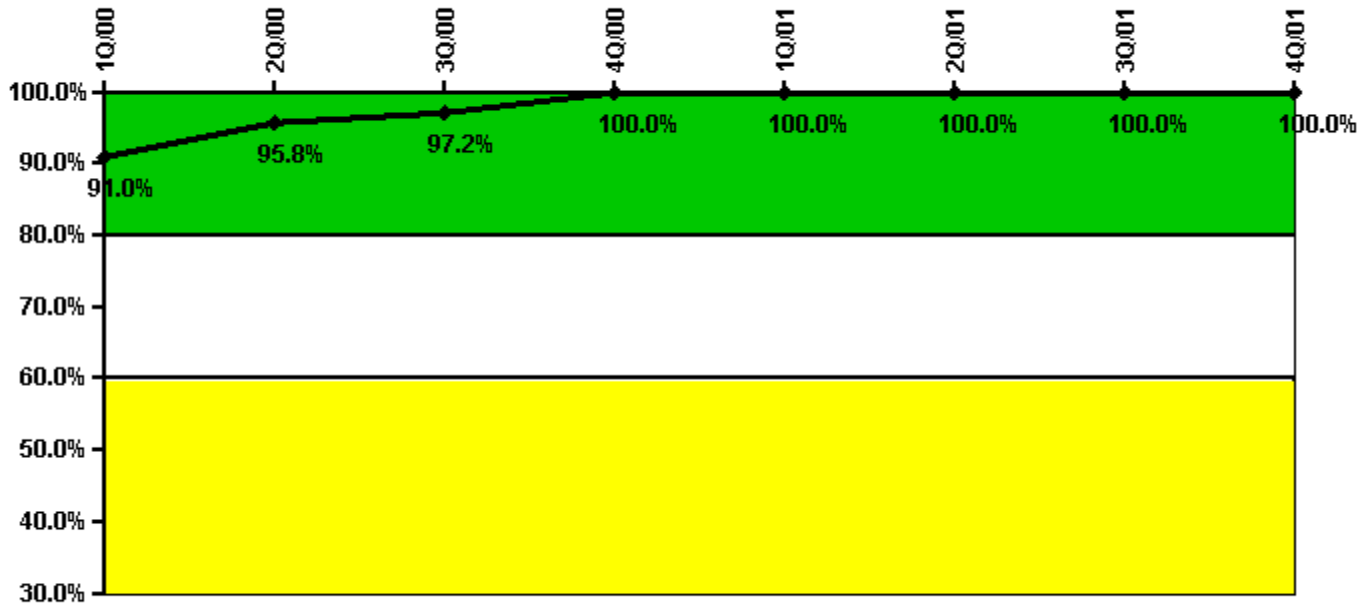
Licensee Comments:

4Q/01: During the 4th quarter 2001, an error was made in developing a PAR. The subsequent notification reflected this error. This is being reported as two failed opportunities. An FAQ is being submitted for clarification concerning whether this should be reported as two failed opportunities or one failed opportunity. Additionally, along with this quarterly submittal, the June 2001 and September 2001 data was revised to correct utility-identified errors.

3Q/01: With the fourth quarter 2001 submittal, the September 2001 data was revised to correct an error.

2Q/01: This indicator is changed to reflect the results of a June 26, 2001, evaluation that were not provided in the second quarter submittal. This change does not affect the color.

ERO Drill Participation



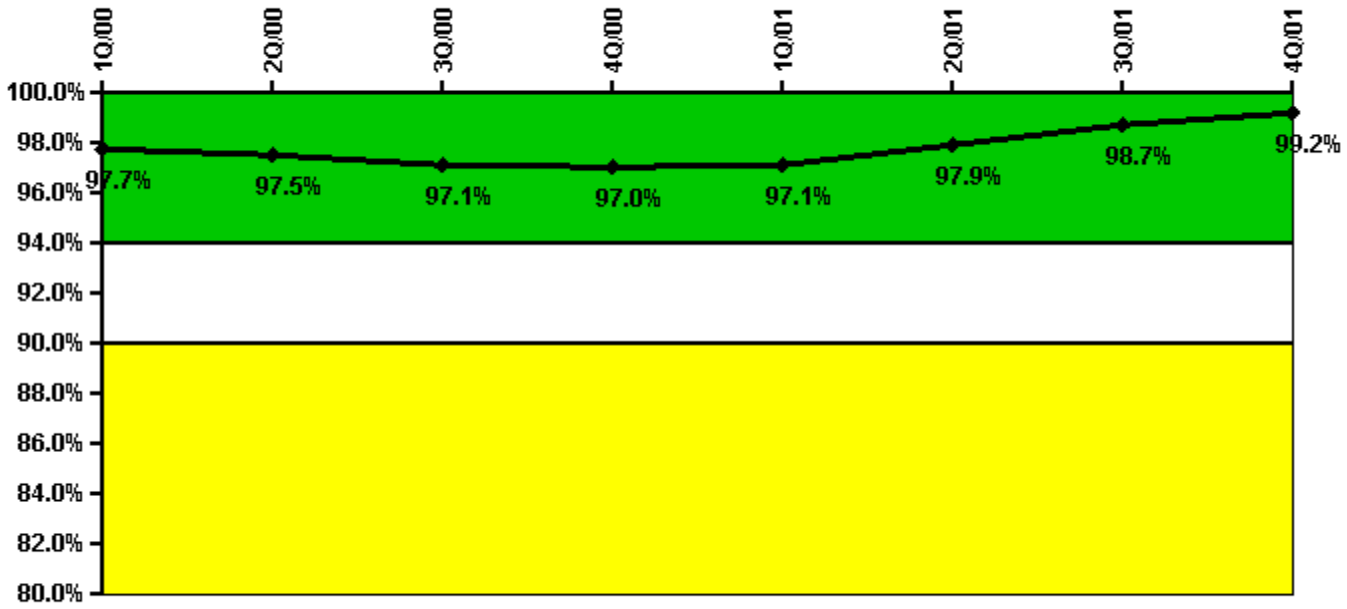
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Participating Key personnel	61.0	69.0	69.0	70.0	65.0	66.0	67.0	56.0
Total Key personnel	67.0	72.0	71.0	70.0	65.0	66.0	67.0	56.0
Indicator value	91.0%	95.8%	97.2%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



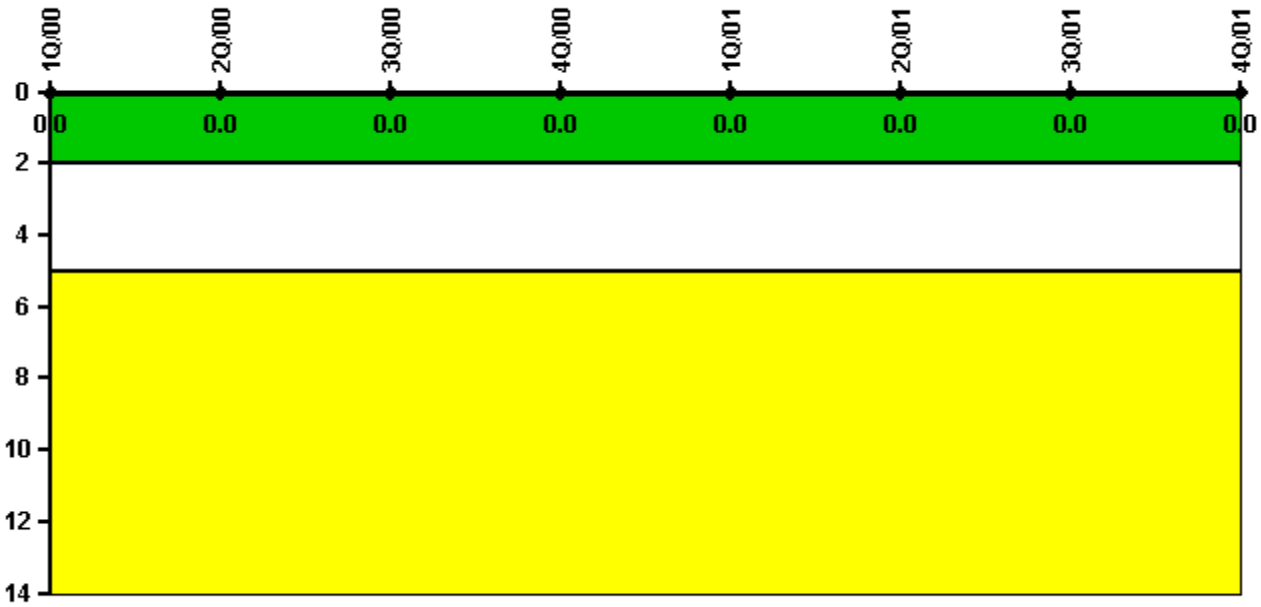
Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	1Q/00	2Q/00	3Q/00	4Q/00	1Q/01	2Q/01	3Q/01	4Q/01
Successful siren-tests	3321	3190	3150	3202	3285	3299	3256	3259
Total sirens-tests	3380	3328	3276	3276	3328	3328	3276	3276
Indicator value	97.7%	97.5%	97.1%	97.0%	97.1%	97.9%	98.7%	99.2%

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



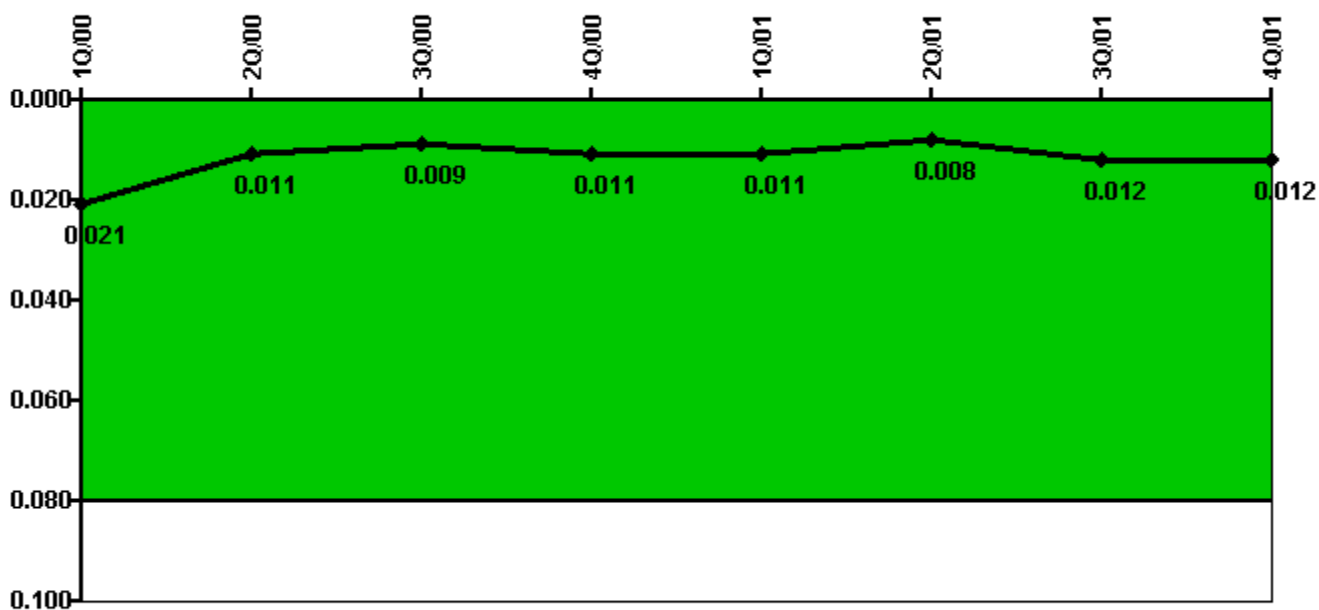
Thresholds: White > 1.0 Yellow > 3.0

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	28.50	82.20	24.32	52.19	30.70	37.60	80.50	46.40
CCTV compensatory hours	0	4.3	1.6	0	0.1	0	13.9	1.4
IDS normalization factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CCTV normalization factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Index Value	0.021	0.011	0.009	0.011	0.011	0.008	0.012	0.012

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